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REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 4 OF THE ANNISTON PCB SITE

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Project BR0397

September 2019

TABLE OF CONTENTS

EXECUTIVE SUMMARY ES-1

1. INTRODUCTION 1-1
   - 1.1 Purpose of the Report 1-1
   - 1.2 Background 1-2
   - 1.3 Description of OU-4 1-4
   - 1.4 Regulatory History 1-5
     - 1.4.1 RCRA 1-5
     - 1.4.2 CERCLA 1-6
     - 1.4.3 Clean Water Act 1-7
   - 1.5 Report Organization 1-7

2. SITE CHARACTERISTICS 2-1
   - 2.1 Climate 2-1
   - 2.2 Geology 2-1
     - 2.2.1 Physiographic Province 2-1
     - 2.2.2 Stratigraphy of Study Area 2-1
     - 2.2.3 Surface Water Features of Study Area 2-2
   - 2.3 Hydrogeology 2-2
     - 2.3.1 Regional Aquifers 2-2
     - 2.3.2 Aquifer Recharge 2-3
     - 2.3.3 Groundwater Occurrence 2-3
     - 2.3.4 Groundwater-Surface Water Interaction 2-3
     - 2.3.5 Groundwater Quality 2-4
     - 2.3.6 Springs 2-4
     - 2.3.7 Water Supply 2-4
   - 2.4 Surface Water Hydrology 2-4
   - 2.5 Geomorphology 2-6
   - 2.6 National Resources Conservation Service Channel Projects 2-8
   - 2.7 Demography and Land Use 2-8
     - 2.7.1 Demographics 2-9
     - 2.7.2 Land Use 2-10
   - 2.8 Conservation Corridor 2-10
   - 2.9 Ecological Habitat 2-12
     - 2.9.1 Aquatic Habitats 2-13
     - 2.9.2 Benthic Invertebrate and Fish Observations 2-13
     - 2.9.3 Aquatic Wildlife Observations 2-14

2.9.4 Terrestrial and Riparian Habitats 2-15
2.9.5 Terrestrial Plants and Invertebrates 2-17
2.9.6 Terrestrial Wildlife Observations 2-17
2.9.7 Summary 2-18

3. REMOVAL ACTIONS, INTERIM MEASURES AND FINAL CORRECTIVE MEASURES IMPLEMENTED IN OU-4 3-1
3.1 Residential Removal Program 3-1
3.1.1 Access and Sampling 3-2
3.1.2 Residential Removal Actions 3-3
3.2 Interim Measures 3-4
3.2.1 Oxford Lake Park 3-4
3.2.2 Choccolocco Creek Dredge Spoil Areas 3-8
3.3 Infrastructure Improvement Support Projects 3-9
3.3.1 Oxford Lake Softball Complex Field Lighting and Drainage Upgrades 3-10
3.3.2 Miracle Field Upgrades 3-11
3.3.3 Choccolocco Creek Wastewater Treatment Plant 3-11
3.3.4 Prime Properties Foundation Preparation 3-13
3.3.5 Interstate 20 (I-20) 3-13
3.3.6 Former Holiday Inn Redevelopment Support 3-16
3.3.7 Parcel Improvements for the City of Oxford's Maintenance Garage 3-18
3.4 Final Corrective Measures 3-18
3.4.1 Highway 21 Bridge at Choccolocco Creek 3-19
3.4.2 Choccolocco Creek Wastewater Treatment Plant - Excavated Soil Pile 3-20

4. OU-4 INVESTIGATIONS 4-1
4.1 Floodplain Soil Investigations 4-2
4.1.1 RCRA Program 4-2
4.1.2 CERCLA Program 4-4
4.2 Sediment Investigations 4-16
4.2.1 RCRA Program Sediment Sampling 4-16
4.2.2 CERCLA Program Sediment Sampling 4-23
4.2.3 Other Sediment Sampling Programs 4-26
4.3 Surface Water Investigations 4-26
4.3.1 RCRA Program Surface Water Investigation 4-26
4.3.2 CERCLA Program Surface Water Sampling 4-29

4.4 Fish Tissue Investigations 4-31
4.4.1 RCRA Program Fish Tissue Sampling 4-31
4.4.2 CERCLA Program Fish Tissue Sampling 4-32
4.4.3 Other Fish Tissue Sampling Programs 4-33
4.5 Groundwater Investigations 4-34
4.5.1 OU-1/OU-2 Investigations 4-34
4.5.2 Oxford Lake Park Investigation 4-35
4.5.3 Residential Well Identification and Sampling 4-38
4.6 Ecological Investigations 4-39
4.6.1 Habitat and Population/Community Evaluations and Results Summary 4-40
4.6.2 CERCLA Phase 2 Biological Sampling 4-41
4.7 Quality Assurance and Quality Control 4-65
4.8 Fish Consumption Survey 4-65
4.8.1 Survey Design 4-66
4.8.2 Conducting the Survey 4-67
4.8.3 Findings 4-68
4.8.4 Comparison with ADEM 1993 Study 4-70
4.9 Creek Bank Stability Investigation 4-70
4.9.1 CERCLA Creek Bank Survey 4-71

5. NATURE AND EXTENT OF CONTAMINATION 5-1
5.1 Floodplain Soils 5-1
5.1.1 PCBs in Nonresidential Soil 5-2
5.1.2 Other COPCs in Nonresidential Soil 5-3
5.2 Sediment 5-5
5.2.1 PCBs in Sediment 5-6
5.2.2 Other COPCs in Sediment 5-7
5.3 Surface Water 5-9
5.4 Fish Tissue 5-10
5.5 Ecological Species 5-11
5.6 Groundwater 5-11
5.7 Air 5-12

6. CONTAMINANT FATE AND TRANSPORT 6-1
6.1 Source Areas 6-2
6.2 Potential Routes of Migration 6-3
6.2.1 Surface Water and Sediment 6-3
6.2.2 Floodplain Soil 6-4

6.2.3 Groundwater 6-5
6.2.4 Volatilization/Fugitive Dust 6-5
6.3 Contaminant Persistence 6-5
6.4 Migration Pathways 6-5
6.4.1 Sediment 6-6
6.4.2 Creek Bank Soils 6-9

7. BASELINE HUMAN HEALTH RISK ASSESSMENT 7-1
7.1 Exposure Pathways and HHRA Strategy 7-1
7.2 Hazard Identification 7-3
7.2.1 Available Data 7-3
7.2.2 Data Reduction 7-3
7.2.3 Fish Data Groupings 7-4
7.2.4 Floodplain Soil Sample Location Averaging 7-5
7.2.5 Data Summary and Chemicals of Potential Concern 7-5
7.3 Toxicity Assessment 7-5
7.3.1 Noncancer Effects 7-6
7.3.2 Cancer Effects 7-6
7.3.3 Toxicity Values for Assessing 2,3,7,8-TCDD TEQs 7-7
7.4 Risks from Fish Consumption 7-7
7.4.1 Fish Consumption Exposure Assessment 7-7
7.4.2 Fish Consumption Risk Characterization 7-9
7.5 Risk from Direct Contact Exposure 7-10
7.5.1 Direct Contact Exposure 7-10
7.5.2 Direct Contact Exposure Assessment 7-11
7.5.3 Direct Contact Exposure Risk Characterization 7-13
7.6 Risk from Agricultural Products Consumption 7-14
7.6.1 Agricultural Products Consumption Exposure Assessment 7-14
7.6.2 Agricultural Products Consumption Risk Characterization 7-15
7.7 HHRA Uncertainties Analysis 7-17
7.8 Integrated Risk Characterization 7-18
7.9 Remedial Goal Options 7-18
7.10 HHRA Summary and Conclusions 7-20

8. ECOLOGICAL RISK ASSESSMENT 8-1
8.1 Problem Formulation 8-1
8.1.1 COPC Selection 8-1
8.1.2 Ecological Endpoints and Representative Receptors 8-2
8.2 Exposure Assessment 8-4

8.3 Effects Assessment 8-5
8.3.1 Toxicity Values 8-5
8.3.2 Community Metrics 8-6
8.4 Risk Characterization 8-6
8.5 Remedial Goal Options 8-7

9. RI SUMMARY 9-1
9.1 OU-4 and Land Uses 9-1
9.2 Previously Implemented Residential Removal Actions, Interim Measures, Infrastructure Support Projects, and Final Corrective Measures 9-1
9.3 Nature and Extent 9-2
9.3.1 Soil 9-2
9.3.2 Sediment 9-2
9.3.3 Surface Water 9-3
9.3.4 Fish 9-3
9.3.5 Ecological Investigations 9-3
9.4 Conceptual Site Model, Contaminant Fate and Transport 9-4
9.5 Risk Assessment Summaries 9-4
9.5.1 Human Health Risk Assessment 9-4
9.5.2 Ecological Risk Assessment 9-6

10. REFERENCES 10-1

LIST OF TABLES

Table 2-1: Drainage Areas and Flood Flows

Table 2-2: Flood Events on Choccolocco Creek

Table 2-3: Descriptions of Historical Features Identified in the EPIC Study, Anniston EPIC Memo

Table 3-1: OU-4 Interim Measures, Infrastructure Support Projects, and Corrective Measure Reference Documents

Table 3-2: Summary of Sampling and Removal Action at OU-4 Residential Properties

Table 3-3: OU-4 Oxford Lake Park Interim Measure PCB in Soil Data

Table 3-4: OU-4 Dredge Spoil Area PCB and Mercury in Soil Data

Table 3-5: OU-4 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB in Soil Data

Table 3-6: OU-4 Interstate 20 PCB in Soil Data

Table 3-7: OU-4 Former Holiday Inn Redevelopment Support PCB in Soil Data

Table 4-1: OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data Summary

Table 4-2: of OU-4 Nonresidential Soil Data for Wider List of Constituents

Table 4-3: Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review

Table 4-4: Summary of OU-4 Residential Field Evaluation (9/26/2011 through 9/29/2011)

Table 4-5: OU-4 Residential Use Area Sampling Results

Table 4-6: OU-4 Sediment PCB, Mercury, and TEQ Data

Table 4-7: Summary of OU-4 Sediment Data for Wider List of Constituents

Table 4-8: Summary of OU-4 Upstream Sediment Data for Wider List of Constituents

Table 4-9: Snow Creek Sediment Deposit Characterizations

Table 4-10: Snow Creek Sediment Deposits: Areas and Volumes

Table 4-11: Physical Characteristics of Choccolocco Creek Transects

Table 4-12: Physical Characteristics of Choccolocco Creek Reaches

Table 4-13a: Sediment Textural Classifications in Choccolocco Creek by Reach

Table 4-13b: Description of Choccolocco Creek Cores by Strata

Table 4-14a: Estimated Choccolocco Creek Sediment Areas by Strata

Table 4-14b: Estimated Choccolocco Creek Sediment Volume Areas by Strata

Table 4-15: Number of Choccolocco Creek Cores Selected for Laboratory Analysis by Strata

Table 4-16: Choccolocco Creek Cores Selected for Laboratory Analyses

Table 4-17: Summary of PCB Data from Geochronological Cores
Table 4-18: Summary of Choccolocco Creek Wet Sieve Analyses
Table 4-19: Summary of Sediment Trap Data
Table 4-20: Surface Water Particulate Data – Automated Sampler Results
Table 4-21: Surface Water Particulate Data – Results of Manually Collected Samples
Table 4-22: OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Table 4-23: Choccolocco Creek and Reference Area Whole-Water Homolog PCB and Mercury Data
Table 4-24: Summary of Choccolocco Creek Base-Flow Whole-Water Sampling by Analyte
Table 4-25: Summary of Fish Fillet PCB Data by Year, Program, and Location
Table 4-26: Soil PCB Data, OU-4 Groundwater Investigations
Table 4-27: Groundwater Data, OU-4 Groundwater Investigations
Table 4-28: OU-4 Ecological Investigation and Sampling Events
Table 4-29: Assessment and Measurement Endpoint Summary
Table 4-30: Summary of Terrestrial Biota Data Collection
Table 4-31: Terrestrial Biota Summary for PCBs
Table 4-32: Terrestrial Biota Summary for Mercury
Table 4-33: Terrestrial Biota Summary for Metals
Table 4-34: Terrestrial and Aquatic Biota (non-fish) Summary for TEQs
Table 4-35: Summary of Aquatic Biota Sample Collection
Table 4-36: Aquatic Biota (non-fish) Summary for PCBs
Table 4-37: Aquatic Biota (non-fish) Summary for Mercury
Table 4-38: Aquatic Biota (non-fish) Summary for Metals
Table 4-39: Whole-Body Fish Summary for PCBs
Table 4-40: Whole-Body Fish Summary for Mercury
Table 4-41: Whole-Body Fish Summary for Metals
Table 4-42: Whole-Body Fish Summary for TEQs
Table 4-43: Sediment Toxicity Testing with *Chironomus dilutus*
Table 4-44: Sediment Toxicity Testing with *Hyalella azteca*
Table 4-45: *Lumbriculus* Tissue Uptake Summary for PCBs
Table 5-1: OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Table 5-2: Summary of OU-4 Nonresidential Surface (0-1 foot) Soil PCB Data by Exposure Unit

Table 5-3: OU-4 Length-Weighted Nonresidential Subsurface (below 1 foot) Soil PCB Data
Table 5-4: OU-4 Sediment Mean Total PCB Concentrations by Reach and Sediment Texture
Table 5-5: SWAC Calculation Details Table for PCB in Surface Sediments
Table 5-6: Whole-Body Fish Summary for PCBs and Mercury
Table 7-1: Exposure Scenarios Evaluated per Exposure Unit
Table 7-2: Noncancer Toxicity Data – Oral/Dermal
Table 7-3: Cancer Toxicity Data – Oral/Dermal
Table 7-4: Exposure Point Concentration Summary – Location A Fish
Table 7-5: Exposure Point Concentration Summary – Location B Fish
Table 7-6: Exposure Point Concentration Summary – Location C Fish
Table 7-7: Summary of Cancer Risks and Hazard Indices – RME Scenario – Primary Contaminants of Potential Concern
Table 7-8: Summary of Cancer Risks and Hazard Indices – RME Scenario – TEQs
Table 7-9: Summary of Cancer Risks and Hazard Indices – CTE Scenario – Primary Contaminants of Potential Concern
Table 7-10: Summary of Cancer Risks and Hazard Indices – CTE Scenario – TEQs
Table 7-11: Exposure Point Concentration Summary – Total PCBs and Mercury – Surface Soil
Table 7-12: Exposure Point Concentration Summary – Total PCBs and Mercury – Total Soil
Table 7-13: Exposure Point Concentration Summary – Total PCBs and Mercury in Agricultural Exposure Units – Surface Soil
Table 7-14: Exposure Point Concentration Summary – Other Contaminants of Potential Concern – Surface Soil
Table 7-15: Summary of Cancer Risks and Noncancer Hazard Indices from Primary Contaminants of Potential Concern - RME
Table 7-16: Summary of Cancer Risks and Noncancer Hazard Indices from Primary Contaminants of Potential Concern – Agricultural Exposure Units – RME
Table 7-17: Site-Wide Cancer Risks from Other Contaminants of Potential Concern (RME)
Table 7-18: Site-Wide Noncancer Hazard Indices from Other Contaminants of Potential Concern (RME)
Table 7-19: Vegetable Ingestion Risk Matrix
Table 7-20: Beef Ingestion Risk Matrix
Table 7-21: Dairy Ingestion Risk Matrix
Table 7-22: Chicken Ingestion Risk Matrix

Table 7-23: Egg Ingestion Risk Matrix
Table 7-24: Beef Ingestion Risk Matrix – Sensitivity Analysis for Lower Soil Bioavailability
Table 7-25: Dairy Ingestion Risk Matrix – Sensitivity Analysis for Lower Soil Bioavailability
Table 7-26: Summary of Remedial Goal Options – Fish
Table 7-27: Summary of Remedial Goal Options - Total PCBs in Soil Based on Agricultural Product Consumption
Table 8-1: Predicted Risk for Ecological Receptors Exposed to PCBs in OU-4
Table 8-2: Summary of Remedial Goal Options for the OU-4 BERA Addendum

LIST OF FIGURES

Figure 1-1: Site Location Map
Figure 2-1: OU-4 Regional Geologic Setting
Figure 2-2: Locations of Municipal Wells/Springs and Groundwater Investigation Wells
Figure 2-3: Mean Stream Flow Rate in Cubic Feet per Second
Figure 2-4a-c: Historical Fluvial Features
Figure 2-5: NRCS Dredging Locations
Figure 2-6a-b: NRCS Dredge Spoil Disposal Locations
Figure 2-7: Land Use within the OU-4 100-Year Floodplain
Figure 2-8a-t: Choccolocco Creek Conservation Corridor
Figure 2-9a-b: Choccolocco Creek Instream and Riparian Habitat
Figure 3-1: Interim Measure, Infrastructure Support and Final Corrective Measure Projects
Figure 3-2a: Oxford Lake Park: Interim Measures Depth of Excavation
Figure 3-2b: Oxford Lake Park Softball Complex - Interim Measures Excavation Depths and Geotextile Marker Layer Locations
Figure 3-2c: Oxford Lake Park - Interim Measures for Parking Lot, Southwestern Park and Tennis Court Areas
Figure 3-3a-b: NRCS Dredge Spoil Pile Locations and Total PCB Concentrations
Figure 3-4: Oxford Lake Softball Complex: Field Lighting and Drainage Upgrades
Figure 3-5a-f: Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project
Figure 3-6: Prime Property Infrastructure Support Project and Total PCB Concentrations in Soil
Figure 3-7a: Interstate 20 Infrastructure Support Project and Total PCB Concentration in Soil
Figure 3-7b: Interstate 20 Infrastructure Support Project Cover Material Designs

Figure 3-8: Former Holiday Inn Redevelopment Support Removal Action and Total PCB Concentrations in Soil
Figure 3-9: City of Oxford Maintenance Garage Infrastructure Support Project
Figure 3-10: Highway 21 Bridge at Choccolocco Creek Final Corrective Measure
Figure 3-11: Excavated Soil Stockpile at the CCWWTP Final Corrective Measure
Figure 4-1: Operable Unit 4 Characterization Areas and Exposure Units
Figure 4-2a: Key for Nonresidential Floodplain Soil and Sediment Sample Locations Figures
Figure 4-2b-l: Nonresidential Floodplain Soil and Sediment Sample Locations
Figure 4-3a: Key for Nonresidential Floodplain Soil and Sediment Sample Results Figures
Figure 4-3b-l: Nonresidential Floodplain Soil and Sediment Sample Results
Figure 4-4: Potential Residential Structure Screening Process
Figure 4-5a: Key for Potential Residential Structures Figures
Figure 4-5b-f: Potential Residential Structures In and Near OU-4
Figure 4-6a: Key for Sampled Residential Use Area Figures
Figure 4-6b-j: Sampled Residential Use Areas
Figure 4-7: Snow Creek Sediment Deposit Mapping
Figure 4-8: Creek Bed Elevation in Choccolocco Creek with Distance from Lake Logan Martin
Figure 4-9: Water Surface Elevation in Choccolocco Creek with Distance from Lake Logan Martin
Figure 4-10: Water Depth in Choccolocco Creek with Distance from Lake Logan Martin
Figure 4-11: Water Velocity in Choccolocco Creek with Distance from Lake Logan Martin
Figure 4-12: Probing Depth in Choccolocco Creek Sediment with Distance from Lake Logan Martin
Figure 4-13: Total PCB Concentrations in Sediment with Distance from Lake Logan Martin by Collection Program
Figure 4-14: Total PCB Concentrations in Sediment with Distance from Lake Logan Martin by General Area
Figure 4-15: Geochronological Profile/Embayment Area Sediment PCB: MLM-GEO-7
Figure 4-16: PCB Concentration by Wet-Sieve Size Fractions in Choccolocco Creek
Figure 4-17: Fish Sampling Locations
Figure 4-18: Sediment Trap Locations
Figure 4-19a: Geochronological Sample Results CU-GEO-01, CU-GEO-02
Figure 4-19b: Geochronological Profile for CU-GEO-02

Figure 4-20: Surface Water Sampling Locations
Figure 4-21: Base- and High-Flow Sampling Events near Jackson Shoals January 1, 1999–December 31, 2002
Figure 4-22: TSS Concentrations as a Function of Flow in Choccolocco and Snow Creeks
Figure 4-23: Base-Flow Water Column Sampling Particulate PCB Results
Figure 4-24: Particulate PCB Concentrations as a Function of Flow in Choccolocco and Snow Creeks
Figure 4-25: Average Fish PCB Concentrations by Location and Species Group
Figure 4-26: Average Fish Mercury Concentrations by Location and Species Group
Figure 4-27: Fish Tissue PCB Concentrations from 1994 to 2016
Figure 4-28a-b: Bayne and Off-Site RFI Habitat Sampling Locations
Figure 4-29a: Key for Floodplain and Riparian Habitat Figures
Figure 4-29b-n: OU-4 Floodplain and Riparian Habitat
Figure 4-30a: Reference Area 1 Ecological Sampling Locations
Figure 4-30b: Reference Area 2 Ecological Sampling Locations
Figure 4-30c: Reference Area 3 Ecological Sampling Locations
Figure 4-31: Ecological Receptor Food Web
Figure 4-32: Ecological Conceptual Site Model
Figure 4-33a: Biological Sample Areas and Locations Upper Assessment Area EUA-01, EUT -01, EUT-02, and EUT-03
Figure 4-33b: Biological Sample Areas and Locations Upper Assessment Area EUA-02, EUT -04, EUT-05, EUT-06, and EUT-07
Figure 4-33c: Biological Sample Areas and Locations Upper Assessment Area EUA-03, EUT -08, and EUT-09
Figure 4-33d: Biological Sample Areas and Locations Middle Assessment Area EMA-01, EMA-02, EMA-03, EMT-01, EMT-02, EMT-03, EMT-04, EMT-05, EMT-06, EMT-07, and EMT-08
Figure 4-33e: Biological Sample Areas and Locations Middle Assessment Area EMT-09, EMA-03, and EMT-08
Figure 4-33f: Biological Sample Areas and Locations Lower Assessment Area ELA-01, ELT-01, ELT-02
Figure 4-33g: Biological Sample Areas and Locations Lower Assessment Area ELA-02, ELA-03, ELT-03, ELT-04, ELT-05, ELT-06, ELT-07, ELT-08, and ELT-09
Figure 4-33h: Biological Sample Areas and Locations Reference Area 1 ERA-01 and ERT-01
Figure 4-33i: Biological Sample Areas and Locations Reference Area 2 ERA-02 and ERT-02
Figure 4-33j: Biological Sample Areas and Locations Reference Area 3 ERA-03 and ERT-03

Figure 4-34: Summary of Terrestrial Tissue PCB Concentrations
Figure 4-35: Summary of Aquatic Tissue PCB Concentrations
Figure 4-36: Summary of Fish Tissue PCB Concentrations
Figure 4-37a-j: Creek Bank Stability Survey Results
Figure 5-1a: Key for PCB Soil Results by Exposure Unit
Figure 5-1b: PCB Soil Results for C1-EU1 and C1-EU2
Figure 5-1c: PCB Soil Results for C2N-EU1, C2N -EU2, and C2S-EU1
Figure 5-1d: PCB Soil Results for C3N-EU1, C3N-EU2, C3S-EU1 and C3S-EU2
Figure 5-1e: PCB Soil Results for C4N-EU1, C4N-EU2, C4S-EU1, C4S-EU2 and C4S-EU3
Figure 5-1f: PCB Soil Results for C5N-EU1, C5N-EU2, and C5S-EU1
Figure 5-1g: PCB Soil Results for C6N-EU1 and C6S-EU1
Figure 5-1h: PCB Soil Results for C7N-EU1 and C7S-EU1
Figure 5-1i: PCB Soil Results for C8N-EU1 and C8S-EU1
Figure 5-1j: PCB Soil Results for C9N-EU1 and C9S-EU1
Figure 5-2: Total PCB Concentrations in OU-4 Soil with Distance from Lake Logan Martin
Figure 5-3: Total PCB Concentrations in OU-4 Soil with Distance from Creek Bank
Figure 5-4: Total PCDD/DF Concentrations in Soil with Distance from Lake Logan Martin
Figure 5-5: Total PCDD/DF Concentrations in Soil with Distance from Creek Bank
Figure 5-6: PCB and TEQ Concentrations in OU-4 Soil with Distance from Lake Logan Martin
Figure 5-7: PCB and TEQ Concentrations in OU-4 Soil with Distance from Creek Bank
Figure 5-8: Chromium Concentrations in OU-4 Soil with Distance from Lake Logan Martin
Figure 5-9: Chromium Concentrations in OU-4 Soil with Distance from Creek Bank
Figure 5-10: Lead Concentrations in OU-4 Soil with Distance from Lake Logan Martin
Figure 5-11: Lead Concentrations in OU-4 Soil with Distance from Creek Bank
Figure 5-12: Mercury Concentrations in OU-4 Soil with Distance from Lake Logan Martin
Figure 5-13: Mercury Concentrations in OU-4 Soil with Distance from Creek Bank
Figure 5-14: PCB and Mercury Concentrations in OU-4 Soil with Distance from Lake Logan Martin
Figure 5-15: PCB and Mercury Concentrations in OU-4 Soil with Distance from Creek Bank
Figure 5-16: Vanadium Concentrations in OU-4 Soil with Distance from Lake Logan Martin
Figure 5-17: Vanadium Concentrations in OU-4 Soil with Distance from Creek Bank
Figure 5-18: Total PCB Concentrations in Sediment with Distance from Lake Logan Martin

Figure 5-19: Spatially Weighted Average Surface Sediment Concentrations for Choccolocco Creek
Figure 5-20: Total PCDD/DF Concentrations in Choccolocco Creek Sediment with Distance from Lake Logan Martin
Figure 5-21: PCB and TEQ Concentrations in Choccolocco Creek Sediment with Distance from Lake Logan Martin
Figure 5-22: Barium Concentrations in Sediment with Distance from Lake Logan Martin
Figure 5-23: Chromium Concentrations in Sediment with Distance from Lake Logan Martin
Figure 5-24: Cobalt Concentrations in Sediment with Distance from Lake Logan Martin
Figure 5-25: Mercury Concentrations in Sediment with Distance from Lake Logan Martin
Figure 5-26: Total PCB and Mercury Concentrations in Sediment with Distance from Lake Logan Martin
Figure 5-27: Vanadium Concentrations in Sediment with Distance from Lake Logan Martin
Figure 6-1: Conceptual Site Model
Figure 6-2: Surface Water Flows in the OU-4 Backwater Area
Figure 6-3: Summary of Choccolocco Creek Bank Stability Upstream and Downstream of River Mile 29.5
Figure 6-4: Summary of Flow in Choccolocco Creek at or near Jackson Shoals
Figure 7-1: Conceptual Site Model for HHRA
Figure 7-2: Use Restriction and Agricultural Exposure Units
Figure 7-3: Agricultural Exposure Units EU1 and EU2
Figure 7-4: Agricultural Exposure Units EU3, EU4, and EU5
Figure 7-5: Agricultural Exposure Units EU6, EU7, and EU8
Figure 8-1: Conceptual Site Model for BERA
Figure 8-2a: Key for PCB and Mercury Concentrations by Exposure Unit
Figure 8-2b: PCB and Mercury Concentrations for C1-East EU and C1-West EU
Figure 8-2c: PCB and Mercury Concentrations for C2-North EU, C2-Central EU, and C2-South EU
Figure 8-2d: PCB and Mercury Concentrations for C3-North EU and C3-South EU
Figure 8-2e: PCB and Mercury Concentrations for C4-North EU and C4-South EU
Figure 8-2f: PCB and Mercury Concentrations for C5-North EU and C5-South EU
Figure 8-2g: PCB and Mercury Concentrations for C6-North EU and C6-South EU
Figure 8-2h: PCB and Mercury Concentrations for C7-North EU and C7-South EU
Figure 8-2i: PCB and Mercury Concentrations for C8-North EU and C8-South EU

Figure 8-2j: PCB and Mercury Concentrations for C9-North EU and C9-South EU

Figure 8-2k: PCB and Mercury Concentrations for C10 EU

LIST OF APPENDICES

Appendix A: Support Documents for Removal Actions, Interim Measures, Final Corrective Measures and Infrastructure Support Projects Implemented in OU-4 (Table 3-1 lists all the documents that are included in this Appendix)

Appendix B: Electronic Data Set

Appendix C: Methodology and Results of the Choccolocco Fish Consumption Study

Appendix D: Choccolocco Creek Fish Tissue Collection Report and Permits

Appendix E: Intensive Water Quality and Biological Study of Choccolocco and Snow Creeks, Coosa River Basin

Appendix F: Chemistry Data Report for the Sediment Toxicity and Bioaccumulation Testing

Appendix G: OU-4 Phase 1 Ecological Survey Report

Appendix H: OU-4 Sediment Stability Technical Memorandum

Appendix I: OU-4 HHRA

Appendix J: OU-4 BERA

Appendix K: OU-4 BERA Addendum

ACRONYMS AND ABBREVIATIONS

%	percent
°F	degrees Fahrenheit
95%UCL	95 percent upper confidence level of the arithmetic mean
ABS	dermal absorption factor
ADEM	Alabama Department of Environmental Management
AE	assessment endpoint
AHWMMA	Alabama Hazardous Waste Management and Minimization Act
ALDOT	Alabama Department of Transportation
AOC	Administrative Order on Consent
ASM	adaptive site management
ASTM	ASTM International
ATSDR	Agency for Toxic Substance and Disease Registry
AVS	acid volatile sulfide
AWQC	Ambient Water Quality Criteria
AWWSB	Anniston Water Works and Sewer Board
BBL	Blasland, Bouck & Lee, Inc.
Be-7	beryllium 7
BERA	baseline ecological risk assessment
bgs	below ground surface
BSA	biological sampling area
CA	characterization area
CCWWTP	Choccolocco Creek Wastewater Treatment Plant
CD	Consent Decree
CDM	Camp Dresser and McKee
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cfs	cubic feet per second
cm^2	square centimeters
COPC	constituent of potential concern
Cs-137	cesium 137

CSF	cancer slope factor
CSM	conceptual site model
CTC	critical tissue concentration
CTE	central tendency exposure
CY	cubic yard(s)
DL PCB	dioxin-like polychlorinated biphenyl
DSR	data summary report
EAV	emergent aquatic vegetation
EC	effect concentration
EDR	ecologically differentiable reach
EE/CA	engineering evaluation/cost analysis
ENSR	ENSR International
ENVIRON	ENVIRON International Corporation
EPC	exposure point concentration
EPT	Ephemeroptera-Plecoptera-Trichoptera
ESR	ecological survey report
EU	exposure unit
FEMA	Federal Emergency Management Agency
FI	fraction ingested
FS	feasibility study
FSP	field sampling plan
g/day	gram(s) per day
g-yr/kg-day	grams per year/kilograms body weight per day
Genesis	Genesis Project, Inc.
GIS	geographic information system
Golder	Golder Associates
GPS	global positioning system
HEC-RAS	Hydraulic Engineering Center's River Analysis System
HHRA	human health risk assessment
HI	hazard index
HQ	hazard quotient

Holmes	Holmes Property, LLC
IAF	intestinal absorption factor
ID	identification
IJC	International Joint Commission
IM	interim measure
IRIS	Integrated Risk Information System
IROD	Interim Record of Decision
JMWA	JM Waller™ Associates, Inc
LAA	lower assessment area
LOAEL	lowest observed adverse effect level
LOE	line of evidence
LOEC	lowest observed effect concentration
MAA	middle assessment area
MCL	maximum contaminant level
ME	measurement endpoint
MLM	middle Lake Martin
µg/kg	microgram(s) per kilogram
µg/L	microgram(s) per liter
mg/cm^2	milligram(s) per square centimeter
mg/kg-day	milligram(s) per kilogram bodyweight per day
mg total PCB/kg OC	milligram(s) total PCB per kilogram of organic carbon
mg/kg	milligram(s) per kilogram
NOAEL	no observed adverse effect level
NPDES	National Pollutant Discharge Elimination System
NRC	National Research Council
NRCS	Natural Resources Conservation Service
NTC	Non-Time-Critical
OC	organic carbon
OU	operable unit
P/S	Pharmacia LLC and Solutia Inc.
PAH	polycyclic aromatic hydrocarbon

Pb-210	lead 210
PCB	polychlorinated biphenyl
PCD	Partial Consent Decree
PCDD/DF	polychlorinated dibenzo-p-dioxin and dibenzofuran
PEC	probable effect concentration
PPIN	property parcel identification number
PSCSR	preliminary site characterization summary report
PVC	polyvinyl chloride
QAPP	quality assurance project plan
QC	quality control
RAGS	Risk Assessment Guidance for Superfund
RCRA	Resource Conservation and Recovery Act
RfD	reference dose
RFI	RCRA facility investigation
RFI/CS	RCRA facility investigation/confirmatory sampling
RGO	remedial goal option
RI	remedial investigation
RM	river mile
RME	reasonable maximum exposure
ROD	Record of Decision
Roux	Roux Associates, Inc.
RPFSP	residential property field sampling plan
RSRWP	residential soil removal work plan
RTK	Real-Time Kinematic
SAIC	Science Applications International Corporation
SAV	submerged aquatic vegetation
SCS	Soil Conservation Service
SEM	simultaneously extracted metal
SESD	Science and Ecosystem Support Division
SIM	selected ion monitoring
SLERA	screening-level ecological risk assessment

SPME	solid-phase microextraction
SSAP	supplemental sampling and analysis plan
SVOC	semivolatile organic compound
SWAC	spatially weighted average concentration
TAL	target analyte list
TCDD	tetrachlorodibenzo-p-dioxin
TEC	threshold effect concentration
TEF	toxic equivalency factors
TEQ	toxic equivalents
TOC	total organic carbon
TRV	toxicity reference value
TSCA	Toxic Substance Control Act
TSS	total suspended solids
UAA	upper assessment area
UCL	upper confidence level
URS	URS Corporation
USACE	United States Army Corps of Engineers
USCB	United States Census Bureau
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VOC	volatile organic compound
WHO	World Health Organization
WMA	waste management area
WOE	weight of evidence
WWTF	wastewater treatment facility
WWTP	wastewater treatment plant
YOY	young-of-year

EXECUTIVE SUMMARY

Introduction

On August 4, 2003, the United States District Court for the Northern District of Alabama entered a revised Partial Consent Decree (PCD) with the United States Environmental Protection Agency (USEPA) requiring, among other things, Pharmacia LLC and Solutia Inc. (together Pharmacia LLC and Solutia Inc. are referred to as P/S) to conduct a remedial investigation and feasibility study (RI/FS) for the Anniston Polychlorinated Biphenyl (PCB) Site (the Site). This Operable Unit (OU) 4 RI (OU-4 RI) is a deliverable under the PCD and includes data for concentrations of PCBs and other constituents that have been collected over more than 20 years of study initiated under the Resource Conservation and Recovery Act (RCRA) program and continuing under the current Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) program. Investigations have been conducted for soil, groundwater, sediment, surface water, and biota and include chemical analyses and other studies to understand the physical characteristics of the OU and to support the human health and ecological risk assessments. This OU-4 RI report describes the nature and extent of constituents in OU-4, discusses the fate and transport of PCBs and other constituents, and presents summaries of the human health and ecological risk assessments that were conducted for this OU.

Description of the Site and OU-4

The Site is located in portions of Calhoun and Talladega Counties in the north-central part of Alabama near the city of Anniston and generally encompasses the Solutia Anniston Plant (referred to as the Facility or OU-3) and portions of Choccolocco Creek and Snow Creek and their floodplains. The Site was initially divided into four OUs and was later consolidated into three OUs by combining OU-1 and OU-2 into OU-1/OU-2, which includes residential and nonresidential properties around and downstream of the Facility along Snow Creek to Highway 78. USEPA signed an Interim Record of Decision (IROD) for OU-3 in 2011, and the remedy for this OU has been constructed. USEPA issued a ROD for OU-1/OU-2 on November 8, 2017, with remedies specified for residential and nonresidential properties, groundwater, and sediment in Snow Creek. The combination of remedies for OU-3 and OU-1/OU-2 will significantly control sources to OU-4, which is located downstream of these other two OUs.

The subject of this report is OU-4, which is the most geographically expansive of the OUs and includes approximately 37 miles of Snow and Choccolocco Creeks and 6,000 acres of floodplain. The OU includes the lower end of Snow Creek and its 100-year floodplain from downstream of Highway 78 to the confluence of Snow and Choccolocco Creeks and Choccolocco Creek downstream from its confluence with Snow Creek to Lake Logan Martin. The floodplain of Choccolocco Creek begins in the backwater area at the confluence of Snow and Choccolocco Creeks and includes the 100-year floodplain downstream to Highway 77. The upland areas next to Choccolocco Creek downstream of Highway 77 are considered lakeside properties as surface water levels in this portion of the creek are controlled by dams located on the upstream and downstream ends of Lake Logan Martin and not by Choccolocco Creek's surface water flows. USEPA will also evaluate whether additional investigations are necessary in areas locate downstream of OU-4.

Land Use

Numerous properties are owned by private and public entities within OU-4 and are used for residential, recreational, agricultural, commercial, and industrial purposes. Agricultural and forested lands account for 88 percent (%) of the current land use within the floodplain, and residential land use is currently limited to several isolated areas. The commercial and industrial areas include the airport property and two wastewater treatment plants. OU-4 includes a variety of distinct terrestrial, riparian, and aquatic ecological habitats and many areas that have been substantially affected by urbanization, agriculture and grazing, and other human activities.

OU-4 includes approximately 1,500 acres that are part of a Conservation Corridor bordering significant portions of Choccolocco Creek. The Conservation Corridor is part of a broader watershed framework for areas surrounding Choccolocco Creek and was developed and implemented recognizing the need for land use controls within the Choccolocco Creek floodplain. The Conservation Corridor is based on habitat studies that have documented the impacts of urban runoff, silviculture, and agricultural practices on the creek and floodplain, as well as intrusive development projects in the floodplain. The key concepts of the Conservation Corridor are to protect and enhance water quality in Choccolocco Creek by appropriately planning development and implementing best practices for agricultural and silvicultural activities, especially in areas bordering the creek. The Conservation Corridor is managed by a local, nationally recognized and accredited land trust organization with the resources necessary to maintain these land use controls in perpetuity. The national reach of the local land trust also ensures that the conservation planning is being conducted with overall watershed management concepts implemented nationwide.

Conceptual Site Model, Contaminant Fate and Transport

Historical fate and transport are important factors in understanding constituent distribution in OU-4. The surface water flow transport pathway was a significant contributing factor to the current distribution of PCBs in OU-4. PCB-containing solids were conveyed via surface water to and down Snow and Choccolocco Creeks. During periods of the highest flows, the waters of the creeks flowed in and out of banks and PCB-containing solids were transported outside of the banks into the broader portions of the floodplains. Once outside of the creek bank, the surface water velocities drop dramatically due to the increased cross-sectional flow area, and the PCB-containing solids were deposited in the floodplain. This process—downstream migration, flooding, and deposition—is the source for the historical deposition of PCBs. Historical sources have largely been controlled, and there are additional source control measures that have and will continue to be implemented in the upstream portions of the Site (OU-3 and OU-1/OU-2). Additionally, a significant amount of the PCB-containing sediments is sequestered in the backwater area at the confluence of Snow and Choccolocco Creeks; these sediments are generally not subject to erosion or downstream transport during periods of high surface water flow.

Nature and Extent of Contamination

Based on the knowledge of upstream sources and transport mechanisms, the media of concern for OU-4 are soil, sediment, surface water, and biota. The results of groundwater data collected in OU-4 have documented that groundwater is not a concern for this OU. With regards to air, the data for OU-3 and OU-1/OU-2 have demonstrated that risks from ambient air are low, and this

medium is not a concern for OU-4. The OU-4 RI also describes the nature and extent of contamination for constituents of potential concern (COPCs) other than PCBs. The nature and extent of these non-PCB COPCs included the constituents and media evaluated in the human health and ecological risk assessments. A summary for the nature and extent of contamination is provided below for floodplain soil, sediment, surface water, and fish fillets.

Soil

To provide reasonable and logical subdivisions in the floodplain, the OU was divided into 26 exposure units (EUs), located on either side of the creek with logical breaks moving downstream. Soil concentrations in nonresidential areas were compiled and averaged for each EU from the surface (top 1 foot) and subsurface (surface to a depth of up to 4 feet below ground surface). The few residential use areas in OU-4 were characterized, and, with the exception of one residence where access was denied, removal actions were conducted at all locations where surface soil PCB concentrations were greater than 1 milligram per kilogram (mg/kg).

Surface concentrations on an EU basis show a decrease with distance downstream from the confluence with Snow Creek. Concentrations also decrease as a function of distance from the creek bank. The surface-weighted average is above 10 mg/kg in only one upstream EU. The average ranges from 1 to 9.8 mg/kg in the central reaches between Friendship Road and Coldwater Creek. Downstream of Coldwater Creek, the surface-weighted averages were close to 1 mg/kg or less. For those upstream EUs with surface-weighted average concentrations above 1 mg/kg, the higher concentrations are found closer to the creek bank and the lower concentrations are found at a greater distance from the creek bank. For the most part, concentrations above 1 mg/kg tend to be within 500 feet of the creek bank except for the most upstream areas, and, with the exception of two of the most upstream EUs, concentrations at almost every sample location outside of 500 feet from the creek bank were less than 10 mg/kg. Subsurface concentrations were similar to the surface concentrations and show the same decrease with distance downstream.

Sediment

PCB concentrations in Snow Creek sediment samples average 5.3 mg/kg and tend to decrease slightly with distance downstream. The spatially weighted average PCB concentrations in sediment for most of Choccolocco Creek is less than 1 mg/kg. The only portion of OU-4 with a spatially weighted average above 1 mg/kg is the relatively small backwater area located upstream of Friendship Road at the confluence of Snow and Choccolocco Creeks. Much of the backwater area is relatively flat with low surface water velocities and backs up and floods during high-flow events due to a downstream bridge and embankment that restrict flow. Fine-grained sediments have deposited in the channels and low-lying portions of the backwater area over time with higher PCB concentration sediments being present in the deeper intervals. The presence of higher PCB concentrations sediments at depth is consistent with previously implemented source control measures in OU-3 and OU-1/OU-2 that have reduced the downstream transport of PCBs. Sediment PCB concentrations downstream of the backwater area are significantly lower with 96% of all sediment samples having PCB concentrations less than 3 mg/kg and spatially weighted surface PCB concentrations less than 0.5 mg/kg.

Surface Water

Surface water samples were collected from Snow and Choccolocco Creeks over several years and under base- and high-flow conditions. The low-flow surface water data collected are the

closest dataset representing ambient conditions in Choccolocco Creek for the purposes of ecological exposure. These data are consistent with chronic exposure conditions as the samples were collected during low-flow conditions that exist most of the time. The average whole-water PCB concentration in OU-4 is 0.075 micrograms per liter (µg/L). This concentration is a factor of 5 above the chronic Ambient Water Quality Criteria (AWQC) value of 0.014 µg/L and is less than a factor of 2 higher than the average of upstream background concentrations (0.038 µg/L). These surface water data are also conservative as the samples were collected and analyzed as whole-water samples as opposed to the measurement of dissolved-phase PCBs that is more applicable to the chronic AWQC value.

Older data (1999 to 2002) from Choccolocco and Snow Creeks were for surface water samples that were filtered for particulate and the particulate analyzed for PCBs. These data provide an indication of the level of sediment-bound PCBs transported downstream during base- and high-flow conditions. Although the overall volume of solids tends to increase with increased flow, the concentration of PCBs associated with those solids tends to stay the same regardless of flow. The PCB results for floodplain soils and sediment in the backwater area are higher at depth and are consistent with reductions in downstream surface water transport of PCBs. These reductions correspond with significant efforts to control PCB sources in OU-1/OU-2 and OU-3 that have already been implemented. Further reductions in the downstream surface water transport of PCBs is expected through additional remedial actions.

Fish Fillet

Fish fillet data were collected to support the human health risk assessment (HHRA). PCB concentrations in fish show the same general trends as in sediment. The concentrations in fish decrease with distance downstream with the highest concentrations (approximately 4–6 mg/kg) present in fish tissue samples collected downstream of the backwater area. Fish fillet PCB results for the most downstream OU-4 location near the confluence of Choccolocco Creek with Lake Logan Martin have shown a factor of 10 decline over the past 20 years with average PCB concentration now less than 1 mg/kg for bass, catfish, and panfish. Mercury in fish tissue shows a slightly different pattern than PCBs. Average concentrations of mercury in fish tissue range from approximately 0.2 to 0.5 mg/kg. They are lowest in Snow Creek and highest in the central reaches of Choccolocco Creek for bass and catfish.

In addition to the collection and analysis of fish tissue, a fish consumption survey was conducted to provide site-specific input regarding the amount of fishing in Choccolocco Creek and the practices of preparation and eating those fish. The survey calculated an estimated range of annualized consumption rates that are significantly lower than the average rates published by the Alabama Department of Environmental Management (ADEM) for the area. The reduced consumption rates are associated with the general lack of access to Choccolocco Creek and the availability of alternative quality fishing sites in the local area that are much easier to access.

Risk Assessment Summaries

Human health and ecological risks were assessed for OU-4 using a combination of chemical data for a range of exposure media including soil, sediment, surface water biota; the results of site-specific studies to document exposure conditions; and relevant USEPA guidance. These risk assessments and their findings define the risks posed by conditions in the OU and identify remedial goal options (RGOs) that will be used in next step in the CERCLA process of scoping

the feasibility study (FS) for OU-4. Summaries of the OU-4 HHRA and baseline ecological risk assessment (OU-4 BERA) are provided below.

Human Health Risk Assessment

The primary objectives of the OU-4 HHRA included identifying COPCs and complete exposure pathways and quantifying risks to human health from exposure to these COPCs. The OU-4 HHRA was prepared by USEPA using a step-wise process to identify exposure pathways, calculate risks associated with each pathway, and then assess the cumulative risks of combining multiple exposure pathways in an integrated risk assessment approach. The OU-4 HHRA also concluded that the 1 mg/kg PCB concentration used to address residential properties under the Non-Time-Critical Removal Agreement was protective. Nonresidential exposures were quantitatively evaluated in the OU-4 HHRA using three exposure pathways:

1. Exposure to anglers who consume fish from the OU-4 portions in Snow Creek and Choccolocco Creek in the absence of the USEPA fish consumption advisory
2. Direct contact exposure to floodplain soils
3. The ingestion of agricultural products grown in the floodplain

The OU-4 HHRA calculated that the most significant risk to human health would be from eating PCB-containing fish caught from Choccolocco Creek in the absence of a fish consumption advisory. Fish consumption poses a potentially significant human health risk to those who regularly consume fish from Choccolocco Creek at or near the PCB concentrations assumed in the OU-4 HHRA (2 to 7 mg/kg) in fish tissue. Other complete exposure pathways, including sediment, surface water, and air, were evaluated in the OU-4 HHRA. Creek sediment was not quantitatively evaluated for direct contact risks in accordance with USEPA Region 4 guidance, which recommends that sediment that is covered by water is generally not contacted and/or incidentally ingested to any significant extent by human receptors; therefore, this pathway does not need to be quantified. Constituent levels in sediment, however, are relevant to the fish ingestion pathway for humans. The available surface water data was screened in the OU-4 HHRA, and it was determined that the detected surface water contaminants were at sufficiently low concentrations such that quantitative assessment of risks from human direct contact was not warranted. Constituent levels in surface water are relevant to the fish ingestion pathway for humans. Air PCB data have been previously quantitatively assessed for risks to residents based on air samples collected at the property boundary (fence line) between the Facility (OU-3) and the adjacent residential areas, and portions of OU-1/OU-2 with the highest PCB concentrations in soils. Since the health risks from these measured airborne concentrations were within USEPA's target risk range for the nearby residents, no further quantitative assessment of human risks from exposure via the air pathway was warranted for OU-4.

Risks from consuming beef and dairy products raised in floodplain areas with the highest PCB concentrations could be outside of the USEPA acceptable risk range if current practices changed and a significant portion of beef and dairy products were locally raised and consumed over a long period of time. More typical exposures to these products, even if originating from the floodplain, are unlikely to cause any unacceptable health risks. Risks from other agricultural product consumption, including chicken, eggs, and vegetables, are not likely to be a concern under any current or future circumstances. Risks from direct-contact exposures are not likely to be of any concern even from contact with the highest concentration areas.

USEPA developed RGO values that will be used in scoping the OU-4 FS. The RGOs are protective for human consumption of fish from the creek, floodplain soil based on the raising of agricultural products (beef and dairy cattle) in the floodplain, and growing produce on fields in the floodplain.

Ecological Risk Assessment

USEPA and P/S have worked together over the last 15 years to collect data and evaluate ecological risks, with these efforts culminating in the OU-4 BERA and the OU-4 BERA Addendum reports. The following data have been collected to support these assessments:

1. Measured COPC concentrations in floodplain soil, sediment, surface water, and biotic tissues
2. Biological community survey data for terrestrial plants, benthic invertebrates, fish, birds, mammals, and amphibians
3. Sediment toxicity testing for the benthic community
4. Laboratory bioaccumulation testing for benthic invertebrates

The goal of the risk evaluations was to protect the range of ecological receptors that may reside or forage in the aquatic and terrestrial habitats of OU-4. A weight-of evidence approach was used to evaluate a range of ecological receptor groups that included terrestrial and aquatic plants, invertebrates, birds, and mammals, as well as fish and amphibians. Since the levels of contamination generally decline with distance downstream, the OU-4 geography was divided into assessment areas ranging from upstream to downstream.

PCBs were determined to be the primary risk driver, with the highest levels of risks associated with the most upstream portion of OU-4. The highest levels of risk were calculated for the reach of Snow Creek and adjoining floodplain located between Highway 78 and I-20. The aquatic and terrestrial species identified as having highly unacceptable risks in this upstream portion of OU-4 include piscivores mammals (mink/otter), omnivorous mammals (mink), omnivorous birds (wren), insectivorous birds (sandpiper), and carnivorous birds (hawks). Other species in this reach of Snow Creek had risks classified as unacceptable, acceptable, and indeterminate (uncertain).

Risks in the portion of Snow Creek downstream of I-20 are lower than those in the upper OU-4 portion of Snow Creek. The species with highly unacceptable risks were piscivorous mammals (mink/otter), omnivorous mammals (mink), and insectivorous birds (sandpiper). Other species in this lower reach of Snow Creek had risks classified as unacceptable, acceptable, and indeterminate. For the Choccolocco Creek portion of OU-4, the only species with highly unacceptable risks were piscivorous mammals (mink/otter) and omnivorous mammals (mink). For the other species, the risks generally decreased with distance downstream and were classified as unacceptable, acceptable, and indeterminate.

A wide range of RGOs were calculated for PCBs and other COPCs for a wide range of aquatic and terrestrial species. Separate RGOs were developed for two different levels of ecological effect including no observed adverse effect level (NOAEL) and lowest observed adverse effect level (LOAEL).

Summary

The data compiled and presented in this OU-4 RI were collected from over 20 years of study in this OU. The data document the extent to which historical fate and transport migration pathways have contributed to PCB concentrations in soil, groundwater, sediment, surface water, fish, and other biota. In summary, the historical transport pathway was via the migration of PCBs in association with fine-grained particulates suspended in surface water. More recent data show that source control and other interim and final measures taken in OU-3, OU-1/OU-2, and in portions of OU-4 have, for the most part, mitigated the potential for these areas to act as ongoing sources. The most recent data from soil, sediment, and fish tissue indicate that the concentrations of PCBs in surface water particulates are decreasing over time as evidenced by lower concentrations of material in the shallower soil and sediment intervals and an overall decrease in fish tissue concentrations over time. The substantial data set compiled in this OU-4 RI provides an understanding of conditions in the various matrices in the OU and were used to estimate the risks to humans and ecological receptors. The data from this OU-4 RI and the findings from the HHRA and BERA will be used to scope and evaluate remedial alternatives in the OU-4 FS.

1. INTRODUCTION

On August 4, 2003, the United States District Court for the Northern District of Alabama entered a revised Partial Consent Decree (PCD; USEPA 2003a) requiring, among other things, Pharmacia LLC and Solutia Inc. (together Pharmacia LLC and Solutia Inc. are referred to as P/S) to conduct a remedial investigation/feasibility study (RI/FS) for the Anniston PCB (Polychlorinated Biphenyl) Site (the Site). The Site is located in portions of Calhoun and Talladega Counties in the north-central part of Alabama, near Anniston, Alabama (Figure 1-1). The Site has been investigated for the past 20 years based on the presence of PCBs and other chemical constituents in various environmental media. The Site encompasses the Solutia Inc. Anniston Plant (the Facility) (formerly owned and operated by Monsanto Company, now known as Pharmacia LLC), other properties currently owned by Solutia Inc., certain residential and nonresidential properties owned by third parties, and portions of both Choccolocco Creek and Snow Creek, and their 100-year floodplains. The Site is not on the Superfund National Priorities List and is being addressed through the Superfund Alternative Approach.

1.1 Purpose of the Report

This remedial investigation (RI) report for OU-4 (OU-4 RI) presents the cumulative data set for the OU-4 portion of the Site and is a deliverable under the PCD dated August 4, 2003. Geosyntec Consultants (Geosyntec) prepared this report on behalf of P/S following the United States Environmental Protection Agency's (USEPA's) approval of the OU-4 Preliminary Site Characterization Summary Report (PSCSR), the OU-4 Human Health Risk Assessment (HHRA), and the ecological risk assessment inclusive of the OU-4 Baseline Ecological Risk Assessment (BERA) and OU-4 BERA Addendum on August 24, 2018 (USEPA 2018). This OU-4 RI compiles and presents data for PCBs and other constituents that have been collected over more than 20 years of study initiated under the Resource Conservation and Recovery Act (RCRA) program and continuing under the current Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) program. Investigations included collecting soil, sediment, surface water, biota, and groundwater for chemical analyses and conducting other studies to understand the physical characteristics of the OU and to support the HHRA and BERA. This OU-4 RI describes the nature and extent of constituents in OU-4 and discusses the fate and transport of PCBs and other constituents that were evaluated.

P/S made a commitment in the *Remedial Investigation/Feasibility Study Work Plan for the Anniston PCB Site* (RI/FS Work Plan; Blasland, Bouck & Lee, Inc. [BBL] 2004a) to provide a report that presents the data collected for OU-4. This OU-4 RI satisfies that commitment and includes a comprehensive compilation of data available for OU-4, some of which has been previously reported in other reports and documents. This OU-4 RI presents the total data set now available for OU-4. These data are appropriate and sufficient for completing the HHRA and BERA, assessing the nature and extent of contamination, and preparing a feasibility study (FS) for OU-4. There may be additional data collected over time for different purposes that will be reported to USEPA and included in the Site's database. Example data could be associated with efforts to support infrastructure repair or construction projects under soil management and predesign and design data.

This report also summarizes the removal actions on residential properties and interim and final actions that have been implemented in OU-4. Information summarizing several infrastructure

support projects conducted in OU-4 is provided in the report with more detailed information provided in the appendices. This OU-4 RI also includes findings from a phased, comprehensive ecological habitat delineation sampling program conducted to support the BERA, the findings from a site-specific angler and fish consumption survey, and a field-based investigation for creek bank stability conditions. In addition to data for OU-4, this OU-4 RI presents the nature and extent of contamination, constituent fate and transport, and the conceptual site model (CSM) specific to OU-4, and summaries of the HHRA and BERA conducted for OU-4.

1.2 Background

Because the Site is large and has varied land uses, it was initially divided into four OUs to facilitate parallel evaluation efforts in the different areas and to streamline closure in specific locations, as appropriate. The work under the PCD identified four separate OUs.

OU-1 and OU-2 included residential and nonresidential properties, respectively, around and downstream of the Facility along Snow Creek to Highway 78. OU-1 and OU-2 have since been combined (OU-1/OU-2) and investigated concurrently. A Record of Decision (ROD) for the OU-1/OU-2 portion of the Site was issued by USEPA on November 8, 2017 (USEPA 2017). OU-3 includes the Facility and two closed landfills adjoining the Facility. An Interim ROD (IROD) for OU-3 was issued on September 29, 2011 (USEPA 2011a), and the remedial design/remedial action activities are complete (GSI 2018) with the exception of ongoing long-term operation and maintenance activities. USEPA will evaluate whether additional investigations are necessary in areas located downstream of OU-4.

The subject of this report is the OU-4 portion of the Site downstream from OU-1/OU-2 and OU-3. OU-4 includes the lower end of Snow Creek and its floodplain from downstream of Highway 78 to the confluence of Snow and Choccolocco Creeks, and Choccolocco Creek from the backwater area upstream of the Snow Creek confluence downstream to Lake Logan Martin (Figure 1-1). The floodplain portion of OU-4 includes the 100-year floodplain from the confluence of Snow and Choccolocco Creeks downstream to where Highway 77 crosses Choccolocco Creek. The upland areas adjacent to Choccolocco Creek downstream of Highway 77 are not subject to regular overbank flooding and are not considered as part of the OU-4 floodplain. Surface water levels in this portion of Choccolocco Creek are controlled by dams located on the upstream and downstream end of Lake Logan Martin and the steep drop in creek bed elevations along the Jackson Shoals portion of the creek. Operation of the dams includes lowering water levels in Lake Logan Martin by several feet during the winter months when the highest flows along Choccolocco Creek typically occur. The results of soil sampling conducted under the RCRA program for the upland areas adjoining the creek downstream of Highway 77 showed PCB concentrations less than 1 milligram per kilogram (mg/kg). These results demonstrate that the creek has not impacted the upland areas downstream of Highway 77 and support these areas as not being part of the OU-4 floodplain. The residential use portions of properties in OU-4 were investigated and, if needed, were remediated in accordance with the Non-Time-Critical (NTC) Removal Agreement (Appendix G to the PCD) (i.e., surface and subsurface soils either met the requirements or were removed and replaced to meet the requirements of PCB concentrations of less than 1 mg/kg, and 10 mg/kg, respectively). Interim measures (IMs), final measures, and infrastructure support projects have also been conducted in OU-4 (see Section 3). Data from these measures that were under covers were not included in assessing nonresidential nature and extent of PCBs in OU-4 or used in the HHRA or BERA.

Constituents of potential concern (COPCs) that were associated with operations at the Facility (OU-3) portion of the Site were identified in Table 1 of Appendix F to the PCD between USEPA and P/S (USEPA 2003a). These chemicals included 11 metals and 17 non-metals, including PCBs, and are listed below by general chemical class:

- Organophosphorus Pesticides
  - Parathion
  - Methyl parathion
  - Tetraethyldithiopyrophosphate (Sulfotepp)
- Volatile Organic Compounds (VOCs)
  - Chlorobenzene
  - Isopropyl benzene (Cumene)
  - Methylene chloride
  - 1,1,2,2-Tetrachloroethane
- Semivolatile Organic Compounds (SVOCs)
  - 1,2-Dichlorobenzene (o-dichlorobenzene)
  - 1,4-Dichlorobenzene (p-dichlorobenzene)
  - 2,4-Dichlorophenol
  - Para-nitrophenol (4-nitrophenol or PNP)
  - PCBs
  - Phenol
  - Pentachlorophenol
  - 2,4,5-Trichlorophenol
  - 2,4,6-Trichlorophenol
  - o,o,o-Triethylphosphorothioate
- Metals
  - Arsenic
  - Barium
  - Beryllium
  - Cadmium
  - Chromium
  - Cobalt
  - Lead

- Manganese
- Mercury
- Nickel
- Vanadium

USEPA also requested that several additional chemicals be included in site-related investigations. These chemicals are in addition to the COPCs listed in the PCD and were initially identified by USEPA in its March 13, 2003, letter (USEPA 2003b) and subsequent clarifications provided in its August 2005 letter (USEPA 2005a). The combination of these two letters added several chemicals to the COPC list, including 13 PCB congeners (12 dioxin-like World Health Organization [WHO] congeners and PCB-153), total PCB homologs, polychlorinated dibenzo-p-dioxin and dibenzofuran (PCDD/DF), and several metals (aluminum, antimony, copper, selenium, silver, titanium, and zinc). In the 2005 letter, USEPA requested that future investigations include limited analysis for a "wider list of constituents" in at least 10 percent (%) of future samples. Based on the 2005 letter, an adaptive site management (ASM) process was implemented as part of the Site investigations to determine which COPCs required evaluation in the human health and ecological risks assessments.

The geographic footprint for the Site investigations was generally guided by the source, release mechanism, and migration pathway for PCBs from OU-3 to the downstream OUs. This process included updating the CSM initially prepared for the Site that was presented in the *Phase 1 Conceptual Site Model Report for the Anniston PCB Site* (Phase 1 CSM; BBL 2003). Overland surface water runoff from OU-3 and OU-1/OU-2 and subsequent downstream transport along the 11th Street Ditch and Snow Creek were the primary release mechanisms for PCBs and other constituents from the Facility (OU-3) to OU-4 during and following periods of heavy precipitation. The surface water flow along the 11th Street Ditch was the migration pathway for transporting these sediment-bound PCBs downstream along Snow Creek and to Choccolocco Creek. During periods of high flow, out-of-bank flooding occurred, and PCB-containing materials were exported into the adjoining floodplain areas. This occurred when a portion of the materials suspended in the water column settled out onto the floodplain soils as surface water velocities decreased to a point where the particles would no longer stay suspended. The lateral extent of significant overbank flooding was conservatively estimated to be the footprint of the 100-year floodplain. The contaminant source, release mechanism, and migration pathway described above is presented in additional detail in the CSM discussion in Section 6 of this report.

1.3 Description of OU-4

OU-4 is the most geographically expansive of the OUs and includes approximately 37 miles of Snow and Choccolocco Creeks and 6,000 acres of floodplain (Figure 1-1). OU-4 includes the lower end of Snow Creek and its floodplain from downstream of Highway 78 to the confluence of Snow and Choccolocco Creeks and Choccolocco Creek and its floodplain from the backwater area upstream of the Snow Creek confluence downstream to Lake Logan Martin. The downstream portion of Snow Creek is more characteristic of Choccolocco Creek than the upper reaches of Snow Creek and, hence, it has been included in OU-4.

OU-4 includes approximately 1,500 acres that have been acquired through a Conservation Corridor that was developed as part of a broader watershed framework for areas surrounding Choccolocco Creek and the downstream portion of Snow Creek. The Conservation Corridor was developed and implemented recognizing the need for land use controls within floodplain areas and is based on habitat studies that have documented the impacts of urban runoff and agricultural practices on the creek and floodplain, as well as the intrusive nature of development projects implemented in floodplain areas. The key concepts of the Conservation Corridor are to protect and enhance water quality in Choccolocco Creek and the downstream portion of Snow Creek by limiting development and agricultural practices near the creek, and to be consistent with the overall watershed management concepts being implemented nationwide. The Conservation Corridor is discussed in additional detail in Section 2.8.

OU-4 also includes a limited amount of residential use property. The residential use portions of those properties have already been evaluated and remediated where PCB concentrations were greater than or equal to 1 mg/kg and access was granted. All residential use areas with PCB concentrations greater than or equal to 1 mg/kg were remediated except for one location where access from the property owner was denied. A residential removal action will be conducted for this one remaining property if access is granted in the future by the current or subsequent landowner.

1.4 Regulatory History

Extensive investigative and response activities have been conducted at the Site over the past 20 years. These investigations and responses were conducted under the oversight of the Alabama Department of Environmental Management (ADEM), RCRA, an Administrative Order on Consent (AOC) (USEPA 2001) executed between USEPA and P/S, and, more recently, the PCD and, the Consent Decree for Remedial Design/Remedial Action for Operable Unit 3 (CD; USEPA 2013a). Historically, the efforts under RCRA have included the general areas of the Facility—which were collectively called the on-site area and are now referred to as OU-3 for purposes of the PCD and the CD—and areas downstream of the Facility—collectively called the off-site area and now referred to as OU-1/OU-2 and OU-4 for purposes of the PCD. The regulatory history for the Site is summarized below based on the RCRA, CERCLA, and Clean Water Act programs.

1.4.1 RCRA

The Facility is operated in accordance with a variety of permits issued under provisions of the Clean Air Act, Clean Water Act, RCRA, and their state counterparts. Two hazardous waste management areas, or WMAs (WMA I and WMA II), were previously permitted under RCRA and operated at the Facility. These WMAs were closed in compliance with provisions contained in the Facility's permit issued under the Alabama Hazardous Waste Management and Minimization Act (AHWMMA) and RCRA. In 1991, a USEPA contractor under provisions of the Hazardous and Solid Waste Amendments of 1984 conducted a RCRA Facility Assessment to identify solid waste management units and areas of concern that might be subject to potential corrective action. An application for reissuance, with modifications, of the AHWMMA permit was submitted in December 1994 and was amended in July 1995 and May 1996. In October 1996, ADEM issued a draft Hazardous Waste Post-Closure Permit to regulate post-closure responsibilities of the Facility for WMA I and WMA II and to address corrective action for solid waste management units and potential areas of concern located both on and off the Facility. This

draft permit (Permit No. ALD004019048) was finalized and issued on January 7, 1997, and subsequently modified on November 13, 1997; May 3, 2001; December 11, 2003; and May 5, 2006. P/S submitted a permit renewal application on July 10, 2006, which ADEM approved on October 31, 2008. A permit renewal application was submitted by P/S on May 3, 2018, with a revised application submitted on November 1, 2018, and approved on July 19, 2019.

Significant investigations were conducted under the RCRA program for the Facility under the Post-Closure Permit. These investigations included the Facility (On-Site areas) and locations downstream of the Facility (Off-Site areas). The On-Site investigations included extensive sampling and analysis of soils, groundwater, and air for the Facility and were conducted under the *RCRA Facility Investigation/Confirmatory Sampling Work Plan for the Anniston, Alabama Facility* (On-Site RFI/CS Work Plan; Golder Associates [Golder] 1997). The results of the On-Site investigations and a risk assessment were presented in the *RFI/CS Report for the Anniston, Alabama Facility* (On-Site RFI/CS Report: Golder 2002). Investigation of the areas downstream of the Facility—Snow and Choccolocco Creeks and the creek bank portion of the Choccolocco Creek floodplain—were conducted under the *Supplemental RCRA Facility Investigation Work Plan for the Off-Site Portion of the RFI/CS Program* (Supplemental Off-Site RFI Work Plan; BBL 1999a). These investigations included sediment, surface water, fish tissue, habitat, and floodplain soils located along the creek bank and were reported in the *Off-Site RCRA Facility Investigation (RFI) Report* (Off-Site RFI Report; BBL 2000a). The Off-Site RFI Report also included risk assessments for potential human and ecological receptors in the Off-Site areas. Additional investigations for the On-Site and Off-Site areas were continued under the CERCLA program. Investigation results from the RCRA program that are applicable to the OU-4 portion of the Site are presented in this OU-4 RI.

1.4.2 CERCLA

Investigation and removal work were also conducted in the vicinity of the Facility under CERCLA pursuant to an AOC between USEPA and Solutia effective October 27, 2000, and then rescinded and replaced by a Removal Order effective October 5, 2001 (subsequently incorporated into the PCD). The Removal Order provides for time-critical removal actions to address PCBs in soil on residential properties at concentrations above 10 mg/kg. The Removal Order was included as Appendix C to the PCD and required 1) a removal response for a portion of the 11th Street Ditch, 2) sampling of a portion of the West 9th Street Creek and Eulaton Road Creek (West 9th Street Creek), and 3) a removal response at off-Facility areas related to activities previously completed at Quintard Mall and the Oxford Lake Softball Complex. The removal action conducted for the 11th Street Ditch and the data for the West 9th Street Creek were incorporated into the OU-1/OU-2 ROD by USEPA. IMs, final measures, and infrastructure support projects conducted for OU-4, including Oxford Lake Park, the Choccolocco Creek Wastewater Treatment Plant (CCWWTP), and bridges crossing Snow and Choccolocco Creeks, are discussed in this OU-4 RI with supporting details provided in Appendix A.

An NTC Removal Agreement (Appendix G to the PCD) was issued to address residential properties with surface soil PCB concentrations greater than or equal to 1 mg/kg. The NTC Removal Agreement required an engineering evaluation/cost analysis (EE/CA) to evaluate the potential removal of soils from residential areas if the soils had PCB concentrations greater than or equal to 1 mg/kg in the upper 12 inches of soil or at concentrations greater than or equal to 10 mg/kg from depths below 12 inches. The *NTC Removal Action Engineering Evaluation and Cost*

Analysis Report (EE/CA) for Anniston PCB Site (EE/CA Report; Solutia 2003a) was subsequently approved by USEPA. NTC removal actions focused on residential properties in the Anniston area. The NTC Removal Agreement was later clarified by the issuance of a Stipulation and Agreement between USEPA and P/S (Stipulation; USEPA 2006a). The primary purpose of the Stipulation was to address the phasing and extent for removal actions to be completed for residential properties. P/S have completed the residential removal actions as detailed in the *NTC Removal Action Completion Report for Residential Properties at the Anniston PCB Site, Revision 1.0* (Completion Report; Golder 2015) and the subsequent annual addenda reports (Golder 2016, 2017; Solutia 2018a, 2019).

In addition to the Removal Order and the NTC Removal Agreement, the PCD required that an RI/FS be conducted for the Site. The requirements for the RI/FS are identified in the RI/FS Agreement (Appendix A to the PCD) and in the Statement of Work (Appendix B to the PCD). The RI/FS process has been completed for OU-3 and OU-1/OU-2 and formalized in the OU-3 IROD (USEPA 2011a) and the OU-1/OU-2 ROD (USEPA 2017). The RI/FS process for OU-4 includes multiple large-scale field investigations for this geographically large and technically complex OU, the preparation of the HHRA and BERA, and, lastly, the preparation of the RI and FS reports. The RI/FS process for OU-4 is nearly complete with the remaining two elements including submittal of this RI report and, following USEPA's review and approval of the OU-4 RI, preparation and submittal of the OU-4 FS. USEPA will also evaluate whether additional investigations are necessary in areas located downstream of OU-4.

1.4.3 Clean Water Act

The Facility also has a National Pollutant Discharge Elimination System (NPDES) Permit (AL0001201) under the Clean Water Act. This permit, which was renewed in 2017, regulates the discharge of storm water runoff from storm water outfall DSN 012. The Facility's NPDES permit previously allowed the discharge of noncontact cooling water and condensate through the on-site storm water sewer system. In 1996, process-related water was piped to discharge to the Facility's former wastewater treatment facility (WWTF). Consequently, only storm water and groundwater that may infiltrate into the storm water collection system are discharged by the storm water outfalls. Analytical sampling data for these storm water outfalls are presented in the On-Site RFI/CS Report (Golder 2002).

Process water from the Facility and groundwater recovered through the on-Facility groundwater extraction systems discharge from the Facility's former WWTF to the CCWWTP under provisions of the Facility's State Indirect Discharge Permit (Permit No. IU 35-08-00048). An updated permit was issued by ADEM on October 1, 2018, and is valid for a five-year period. The biological treatment component of the WWTF was decommissioned in conjunction with the para-nitrophenol plant shutdown in 2004 such that the former WWTF currently consists of only an equalization basin with pH adjustment capabilities.

1.5 Report Organization

To facilitate review of the available information on OU-4, the remainder of this OU-4 RI is organized as follows:

- Section 2 presents the characteristics of the Site, including climate, geology, hydrogeology, surface water hydrology, geomorphology, National Resources

Conservation Service channel projects, demography, and land use. Section 2.8 includes a detailed description of the current status of the Conservation Corridor. Section 2.9 details the findings of a study conducted to characterize ecological habitat in OU-4.

- Section 3 summarizes removal actions, IMs, infrastructure support projects, and final corrective measures, as well as residential removals conducted to date.
- Section 4 details the investigations conducted in OU-4. The section is organized by media beginning with the RCRA program, followed by those conducted under the CERCLA program and ending with other floodplain soil programs. Sampling and analysis of soil, sediment, surface water, fish tissue (for human consumption), groundwater, and other biota were conducted. There is also information regarding the fish consumption survey and the creek bank stability investigation.
- Section 5 presents the nature and extent of contamination in OU-4. This section is organized by media as developed in Section 4 (soil, sediment, surface water, fish tissue, other biota, and groundwater). This section includes a discussion of air and details the findings of all media by geographical area and in conjunction with an understanding of the CSM and historical transport mechanisms.
- Section 6 presents the CSM as it pertains to OU-4. This section discusses contaminant fate and transport, including potential routes of migration and contaminant persistence. This section also includes an evaluation of sediment stability for the purposes of assessing whether sediments could be a secondary source for ongoing downstream transport.
- Section 7 presents a summary of the OU-4 HHRA that evaluated the risks associated with contacting or ingesting PCBs including the ingestion of PCB-containing fish.
- Section 8 presents a summary of the ecological risks for OU-4 and includes the OU-4 BERA (Arcadis 2016) that was prepared on behalf of P/S and the OU-4 BERA Addendum (USEPA 2018) that was prepared by USEPA to supplement the OU-4 BERA.
- Section 9 presents a summary of key items of this OU-4 RI, including the CSM, contaminant fate and transport, nature and extent of PCBs, and the HHRA and BERA.
- Section 10 presents the references cited within this document.

The information presented in this OU-4 RI is supported by a series of tables, figures, and appendices. Tables and figures are organized by report section and referenced where applicable. Eleven appendices (A through K) are included electronically with this OU-4 RI and include the following:

- Appendix A includes a series of documents detailing the IMs and nonresidential removal actions taken to date in OU-4.
- Appendix B includes the electronic dataset for OU-4. This includes analytical chemistry data generated by P/S, USEPA, and ADEM for soil, sediment, surface

water, groundwater (including soils that were removed to install the wells), fish tissue, biota samples, and sediment and tissue results from the sediment toxicity and bioaccumulation testing program.

- Appendix C includes a site-specific evaluation of fish consumption rates for OU-4 that were used to support the OU-4 HHRA.
- Appendix D includes a report presenting the results of a fish tissue collection and analysis program to support the OU-4 HHRA (Arcadis 2008a). The report includes the analytical chemistry results and other data including the species identification, length, weight, and sex of the individual fish. Pictures of each fish are provided along with a notation of abnormalities, if present.
- Appendix E includes a study of water quality and habitat in the local waterways including Snow and Choccolocco Creeks and was prepared by David Bayne PhD of Auburn University (Bayne 1997a).
- Appendix F includes the sampling details and analytical chemistry results for a series of sediment samples that were collected from OU-4. These sediment samples and the associated analytical chemistry data were used by the United States Geological Survey (USGS) and the United States Army Corps of Engineers (USACE) to conduct sediment toxicity and bioaccumulation studies for the Site. Based on the sediment processing and handling procedures used for these samples, the resulting data were not appropriate for use in describing the nature and extent of contamination in OU-4.
- Appendix G includes the OU-4 Phase 1 Ecological Survey Report (OU-4 Phase 1 ESR; Arcadis BBL 2007a) documenting a series of seasonal habitat surveys that were conducted for aquatic and terrestrial habitats in OU-4 and for three reference sites.
- Appendix H includes the OU-4 Sediment Stability Technical Memorandum (Arcadis 2010a) that evaluates sediment stability in OU-4 using a multiple-line-of-evidence (LOE) approach.
- Appendix I includes the OU-4 HHRA that was prepared on behalf of USEPA (JM Waller™ and Associates [JMWA] 2013) and presents an evaluation of human health risks from potential exposure to PCBs and other constituents.
- Appendix J includes the OU-4 BERA that was prepared on behalf of P/S (Arcadis 2016) and presents an evaluation of ecological risks for a range of species that may be present in the aquatic, terrestrial, and riparian habitats of OU-4.
- Appendix K includes the OU-4 BERA Addendum (USEPA 2018) that was prepared by USEPA to supplement the ecological risk evaluations presented in the OU-4 BERA.

A complete electric copy of the OU-4 RI including all of the appendices can be found at https://geosyntec.brickftp.net/Public_Share/OU-4 RI Report September 2019.

2. SITE CHARACTERISTICS

The characteristics of OU-4 are described in this section under the subheadings of climate, geology, hydrogeology, surface water hydrology, geomorphology, National Resources Conservation Service channel project, demographics and land use, Conservation Corridor, and ecological habitat.

This section shows that although the habitat has been affected by human activity, there is valuable aquatic and riparian habitat in OU-4.

2.1 Climate

The climate in OU-4 is characterized as humid and subtropical, with hot summers, mild winters, and some precipitation during each month of the year. Rainfall is the primary form of precipitation with an average of 54 inches per year, the majority of which occurs during winter. Droughts are infrequent, and the average annual evapotranspiration rate in the area is approximately 42 inches. The mean annual temperature is 62 degrees Fahrenheit (°F). The average temperature for January is 44°F, and the average temperature for July is 80°F.

Based on data collected in Anniston from April 1, 2003, to March 31, 2004 (ENSR International [ENSR] 2004), the atmosphere is generally thermally stable. The ENSR data indicate that the prevailing winds generally blow from the southeast approximately 11% of the year and from the west-southwest approximately 8% of the year. Additionally, the winds are calm (i.e., 0–1 mile per hour) 17% of the year.

2.2 Geology

2.2.1 Physiographic Province

The study area for OU-4 lies almost entirely within the Valley and Ridge physiographic province, one of the five physiographic regions into which Alabama is divided. The provinces are differentiated by geologic structure, rock types, and topographic relief (Kopaska-Merkel et al. 2005). The Valley and Ridge province consists of a series of converging and diverging ridges and valleys that generally trend northeast to southwest (Raymond et al. 1988). The Valley and Ridge province features the complicated polydeformed strata of the sedimentary foreland fold-and-thrust belt and the lower greenschist facies (Whiting 2009). The ridges are formed largely by sandstone and chert beds, and the valleys are underlain by shale and carbonate rocks (Raymond et al. 1988). The folded strata are punctuated by thrust faults, and the most prominent of these near the Site is the Jacksonville Fault (Scott et al. 1987).

2.2.2 Stratigraphy of Study Area

The stratigraphy of the study area is principally comprised of three Cambrian-age geologic units, from oldest to youngest, as follows: the Rome Formation, the Conasauga Formation, and the overlying Knox Group. The Rome Formation is predominantly a grayish-red-purple and green shale that grades upward into tan, medium-grained sandstone and siltstone with intermittent beds of thinly laminated dolomitic limestone exposed in some areas (Erickson 1985). The Conasauga Formation is a sequence of medium-gray to blue, micritic, argillaceous locally oolitic limestone and dark brown to green shale (Whiting 2009). The units of the Knox Group are marked by heavily weathered outcrops of deep red carbonate residuum with blocks of gray to tan chert,

which are typically massive but locally laminated/bedded or brecciated (i.e., composed of sharp fragments embedded in a fine-grained matrix such as sand or clay). The topography of the Knox Group is characterized by broad, flat valleys, with discontinuous low hills and ridges comprised of chert and dolomite (Whiting 2009).

2.2.3 Surface Water Features of Study Area

OU-4 is defined by the boundaries of Choccolocco Creek and the adjacent floodplain. The flow of Choccolocco Creek is generally near the centerline of the 100-year floodplain. The 100-year floodplain was developed for OU-4 using site-specific surface water modeling results generated during the RCRA program and documented in the Off-Site RFI Report (BBL 2000a). While the project footprint for the 100-year floodplain is similar to the 100-year floodplain developed by the Federal Emergency Management Agency (FEMA) for the general area, the 100-year floodplain developed for the project was selected for use in this OU-4 RI. This decision was based on using site-specific hydraulic modeling to set the initial floodplain and subsequent refinements (expansions of the floodplain) that were developed using topographic information from the National Elevation Data Set published by USGS in 2009. The process to refine the footprint of the 100-year floodplain and the associated revisions are presented in Attachment A to the 2010 *Phase 3 Field Sampling Plan for Operable Unit 4* (OU-4 Phase 3 FSP; Arcadis 2010b).

A variety of native materials, including soils ranging from clays to gravels as well as areas in contact with bedrock, comprise the bed of the Choccolocco Creek basin. The Choccolocco Creek-Lake Logan Martin watershed consists of unconsolidated Quaternary and Tertiary fluvial deposits and a weathered bedrock residuum, forming a mantle over the Paleozoic stratigraphy in much of the watershed (Warman and Causey 1962). The fluvial deposit consists of a mix of gravel, silt, and clay and extends to a thickness of up to 100 feet (Scott et al. 1987). The bedrock residuum is comprised of mixed residual clay and chert boulders and fragments ranging in thickness from 30 to 100 feet, where present (Scott et al. 1987).

Upstream of the confluence of Choccolocco Creek and Snow Creek, weathering of the Knox Group provides a clay overburden with chert gravel and cobbles. At the area of confluence, weathering of the Conasauga Formation, comprised of mudstones and shales with interbedded limestones and siltstones, provides a creek bed of silty sands and intermittent gravel bars. Below the confluence and beyond the Conasauga Formation, the Knox Group again dominates the underlying geology, providing a source of cobbles to the creek bed. Several miles farther downstream, the stream grade increases as the creek intersects a ridge of Conasauga dolomite and limestone. Farther downstream, Jackson Shoals is formed by an outcrop of quartzose sandstone of the Rome Formation. Downstream of Jackson Shoals, the channel and virtually all of Lake Logan Martin are underlain by the Knox Group. Entering Lake Logan Martin, soils are generally cherty loams from the limestone dolomite residuum (BBL 1999a). The geology of the vicinity of Choccolocco Creek is depicted on Figure 2-1.

2.3 Hydrogeology

2.3.1 Regional Aquifers

The Valley and Ridge aquifer system consists of the Knox-Shady aquifer and the Valley and Ridge aquifer system. The Alabama Valley and Ridge physiographic section encompasses the following districts, from west to east (Kopaska-Merkel et al. 2005):

- Birmingham-Big Canoe Valley
- Cahaba Ridges
- Cahaba Valley
- Coosa Ridges
- Coosa Valley
- Weisner Ridges

The major aquifers within or near OU-4 are the limestones and dolomites of the Conasauga Formation and the Copper Ridge, and Chepultepec Dolomites of the Knox group (Planert and Pritchett 1989). In the Birmingham-Big Canoe Valley, where the Conasauga Formation is comprised of limestone, yields are substantial where the dominantly calcareous and steeply dipping strata contain well-developed dissolution channels (Kopaska-Merkel et al. 2005). In the Coosa Valley, where the Conasauga Formation includes shale, the limestone aquifer is low-yielding and is used only for domestic supplies. The water-bearing areas are usually associated with valleys and not ridges (Kopaska-Merkel et al. 2005).

2.3.2 Aquifer Recharge

Rainfall is the principal source of recharge to aquifers in OU-4; however, occasionally snowfall contributes to the recharge (Kopaska-Merkel et al. 2005). A large portion of the 54 inches per year of precipitation runs off during and directly after rainstorms. Most of the remainder is returned to the atmosphere by evapotranspiration. A relatively small portion of the total rainfall infiltrates to the water table, thereby providing aquifer recharge. Based on data from six long-term gaging stations within the study area, the estimate for aquifer recharge in the area is about five inches per year (Planert and Pritchett 1989).

2.3.3 Groundwater Occurrence

Groundwater within the shallow residuum generally occurs under unconfined (i.e., water table) conditions beneath Choccolocco Creek. Typically, the water table surface reflects the ground surface and shallow groundwater flow follows surface topography. Natural annual groundwater level fluctuations in this aquifer system generally are less than 10 feet. Groundwater generally flows from the higher altitudes adjacent to the ridges toward the center of the valleys and then down valley (Planert and Pritchett 1989). Within the Choccolocco Creek watershed, groundwater flow generally follows the topographic terrain toward Choccolocco Creek (Scott et al. 1987).

2.3.4 Groundwater-Surface Water Interaction

Incised streams may gain water from the aquifers they penetrate, and this probably is a factor in OU-4 (Planert and Pritchett 1989). In addition, potentiometric data from the Choccolocco Creek watershed indicate that Choccolocco Creek is a gaining stream, with groundwater discharging into the creek. Average potentiometric surface contours in the upper residuum along the path of Choccolocco Creek show groundwater table contour lines which point in the upstream direction (Scott 1987, Kopaska-Merkel et al. 2005), thereby indicating that groundwater is discharging to the creek (Todd 1980).

2.3.5 Groundwater Quality

The groundwater in the Valley and Ridge aquifer system is generally high quality, though it ranges from moderately hard to very hard, reflecting the mineral composition of carbonate rocks (i.e., limestone and dolostone) that comprise the aquifer system. Dissolved iron naturally occurs in the shallow groundwater of the Valley and Ridge geologic province (Kopaska-Merkel et al. 2005).

2.3.6 Springs

A number of springs have been identified and located within and near OU-4. Discharge rates of the springs range from less than 1 gallon per minute to greater than 20,000 gallons per minute (Kopaska-Merkel et al. 2005). Many of these springs are found along the trace of thrust faults and produce sufficient water for domestic uses and, in some cases, for municipal supply. The two most significant springs located near or within the OU-4 area are Collateral Spring and Coldwater Spring. Collateral Spring is located within the city of Oxford, just south of Interstate 20. Coldwater Spring is west of the city of Oxford, approximately one mile north of Interstate 20 (see Figure 2.2).

2.3.7 Water Supply

Coldwater Spring is the primary water source for the city of Anniston, Fort McClellan, Anniston Ordinance Depot, and other municipalities and communities within Calhoun County (Scott et al. 1987). During an observation period from 1957 to 1983, the average discharge of Coldwater Spring was approximately 31 million gallons per day and the minimum discharge was 23.5 million gallons per day (Scott et al. 1987). The city of Oxford currently relies on groundwater as its primary water source and operates five production wells (each approximately 300 feet deep) that draw water from the Knox Group and Shady Dolomite Aquifer. The water from each well is tested regularly and meets all drinking water regulations without treatment (Oxford 2011). Additional public supply wells are located throughout Talladega County, near the 100-year floodplain of Choccolocco Creek. Locations of identified springs, public water supply wells, and the OU-4 RI wells are depicted on Figure 2-2. In addition, Figure 2-2 shows the active groundwater investigation wells in the OU-1/OU-2 portions of the Site as well as the locations of two private water supply wells that were sampled as part of the OU-4 investigation.

2.4 Surface Water Hydrology

Snow Creek is a high-gradient stream, with a slope of typically 20 to 30 feet per mile, flowing through an urbanized corridor of Anniston and Oxford. Snow Creek is a key tributary to Choccolocco Creek that drains the upstream portions of the Site. The mean flow within Snow Creek increases from approximately 5 cubic feet per second (cfs) at the confluence with the 11th Street Ditch to 28 cfs as it discharges to Choccolocco Creek. The steep basin terrain produces sharp peak flows. The estimated 10-year and 100-year recurrence interval floods for Snow Creek at the point it discharges to Choccolocco Creek are 4,030 cfs and 6,900 cfs, respectively (FEMA 1993). Other key tributaries shown on Figure 1-1 include Coldwater Creek, Eastaboga Creek, and Cheaha Creek.

Average surface water flows are shown on Figure 2-3, and flow rates for several historical high-flow events at two locations along Choccolocco Creek (near the confluence with Coldwater Creek and the Jackson Shoals/Highway 77 area) are included in Table 2-1. Comparing these

observed flow measurements with the estimated 10-year and 100-year flood events presented in Table 2-2 shows that the 10-year flow event has occurred frequently over the past 60 years. While the 100-year flow event has not occurred during this time period, a near 100-year event was measured during 1951.

During low-flow conditions (dry weather flow), groundwater provides base flow for streams and creeks in the area (Scott et al. 1987). During periods of high precipitation and correspondingly high surface water flows, gradients reverse and floodwaters from streams provide groundwater recharge. Overall, both the Snow and Choccolocco Creek portions of OU-4 are considered to be gaining streams.

Some sections of the Snow Creek channel have been substantially modified (e.g., paved, relocated). These modifications cause the velocity profile of the stream to be somewhat erratic near bridge and culvert restrictions. At its confluence with Choccolocco Creek, the drainage area of Snow Creek is 19 square miles. Because of the steeply sloped basins, floodwaters tend to rise and fall quickly, and flooding occurs at numerous locations (often associated with backwater pooling caused by bridges and culverts affecting the natural course of the stream). To date, flood protection measures have been limited to relatively minor, localized efforts including widening and/or installing concrete-lined sections of the channel. Additional flooding problems are caused by debris that collects at the bridges or culverts, which further restricts flows. The most downstream (500-to-900-foot) portion of Snow Creek before it joins Choccolocco Creek can be influenced by backwater conditions from Choccolocco Creek during periods of high flow.

A defining surface water flow feature for OU-4 is the backwater area located at the confluence of Snow and Choccolocco Creeks (Figure 2-3). The backwater area receives direct surface water flow from both creeks, and because of the area's physical configuration and hydraulic characteristics, much of the area acts as a settling basin for solids suspended in the water column. Sediment deposits in large portions of this backwater area are fine-grained and, in some locations, up to 5 feet thick. During high-flow conditions, surface water velocities from Snow Creek flows are decreased as they enter the larger backwater area. The surface water flows from Snow and Choccolocco Creeks on the upstream sides of the backwater area, combined with the confining nature of the Friendship Road embankment on the downstream side of the backwater area, create this settling-basin effect. Under high-flow conditions, the downstream flow of Choccolocco Creek (including the flow from Snow Creek) is limited by the bridge opening where the Friendship Road bridge crosses over Choccolocco Creek. A small relief opening is also located in the southeastern end of the Friendship Road embankment. This relief opening only receives flow during the more extreme flooding events; its presence does not change the settling basin characteristics of the backwater area. The overall flow of surface water into the backwater area during periods of high flow is greater than the amount of water that can exit through the Friendship Road bridge. As a result, surface water from Snow and Choccolocco Creeks backs up or is impounded in the backwater area. As surface water is impounded in the backwater area, including a braided-stream network that is somewhat stagnant during low-flow periods, the surface water velocities are lowered to a point where the solids suspended in the water column settle and become part of the sediment matrix. Surface water flow velocities in this braided stream network are quite low, even during periods of high flow on the main stem of Choccolocco Creek. As a result, a portion of the fine-grained sediments suspended in the water column may settle from the water column and become part of the sediment matrix in the backwater area. Data to determine when sediments were deposited in the backwater area

(geochronological data) are presented and discussed in Section 4.2.2 of this OU-4 RI and support the historical deposition of sediment in large portions of the backwater area.

2.5 Geomorphology

In the portion of Alabama where the Choccolocco Creek watershed is located, both topography and surface soil composition are closely dependent on the parent bedrock material present. The channel morphology and sediment transport characteristics of Choccolocco Creek are, in turn, dependent on the topography and surficial soils of the basin through which it flows. Development of surface soils is related to sediment transport, as more soil series in this area have been developed from transported material than from residual material (US Soil Conservation Service [SCS] 1961). The SCS is currently known as Natural Resources Conservation Service (NRCS). As discussed above, the native materials in the Snow and Choccolocco basins include a broad range of solids ranging from clays to gravels, as well as bedrock contact areas.

In general, the Choccolocco Creek streambed is in a state of dynamic equilibrium, with the possible exception of the section where the NRCS projects were completed (described in Section 2.6). Although there may be a short-term response to specific events that cause either temporary aggrading or degrading of the sediment bed, due to the state of equilibrium, there is a tendency for the bed to return to its current form. In the section of Choccolocco Creek containing the NRCS-dredged pits known as sediment traps, the streambed may be erosional because these traps were designed to destabilize and erode areas of the sediment bed immediately upstream.

Choccolocco Creek can be viewed as a sand channel, which has had excess gravel loaded through the lower two-thirds of the basin. The creek is characterized as an older system with little channel erosion and only a small portion of bedload. Channel meander appears to develop, and the broad floodplain and natural levees with mature trees on both banks are also characteristics of a mature, relatively stable system.

The abundant gravel present in the streambed plays a significant role in providing stability to the Choccolocco Creek streambed channel. Much of the gravel present has been derived from the Chilhowee and Knox Groups through which the creek flows. In addition, tributaries to Choccolocco Creek that flow through the Knox Group appear to have contributed significant gravel bedload to Choccolocco Creek in the past. Currently, Dry Creek is the only tributary making a significant gravel contribution, estimated to be as much as 400 cubic yards (CY) per year (SCS 1989).

Most of the gravel-size sediments in the system are old and were derived from frost action during glacial epochs and chemical weathering. The primary production of gravel no longer occurs. Past geologic processes during the historical valley entrenchment and fill periods distributed the coarser sands and gravels within the stream alluvium. This gravel horizon is extensive, underlying much of the floodplain, and is evidenced by historical gravel mining operations in the floodplain area downstream of Snow Creek. Presently, there is little movement of gravel other than very localized bank erosion followed by redeposition in gravel bars.

Sands presently constitute the most mobile sediments internal to the channel. The entire channel system contains significant quantities of sand originating from disintegration of quartzite and sandstone of the Chilhowee Group and Rome Formation. Sands are also generated from other formations that outcrop within the basin. Although tributaries still deliver sands to Choccolocco

Creek, decreased agricultural development has substantially reduced the transport of sands. In terms of energy, Choccolocco Creek would be in equilibrium with a sand channel. The median particle diameter of Choccolocco Creek samples is predominantly in a sand-size range.

Fine sediments make up the majority of the suspended sediment load transported by Choccolocco Creek. Virtually all the residuum in the watershed contains significant amounts of fines. Residuum of limestone, shale, and slates are high in clays, and residuum of mudstone and sandstone are high in silts. Even under the relatively nonintrusive land uses that currently exist in the watershed, erosion of the soils can produce significant quantities of fines. Most of the fines move readily through the system, discharging to Lake Logan Martin. To a lesser extent, some may be carried to overbank areas and deposited in the floodplain.

In 1980, SCS conducted a 30-mile-long survey of Choccolocco Creek (SCS 1989). Channel bank erosion was noted in only 10 locations. All 10 locations occurred on the outside of sharp curves in the channel. The only other localized areas of bank erosion noted were in areas where debris (usually fallen trees) deflected flows directly into the banks. In several areas downstream of the Route 21 bridge, channelization resulted in cutting off three oxbows.

In 2005, USEPA conducted an aerial photographic historical analysis of Snow and Choccolocco Creeks "*to document visible changes in the creek channels caused by natural and anthropogenic processes and identify fluvial features that are potential locations of contaminated deposits containing pollutants such as polychlorinated biphenyls*" (EPIC Study; USEPA 2005b).

The results of the USEPA analysis of Choccolocco Creek are presented on Figures 2-4a through 2-4c. These figures denote the 100-year floodplain along with "historical fluvial features" as identified by USEPA. The fluvial features and interpretations regarding their character are presented in Table 2-3. Fluvial features identified in Choccolocco Creek in the EPIC study fall into two categories: those that are clearly associated with either the creek or its floodplain over the last 65 years and those features that are either obviously not associated with Choccolocco Creek or predate 1940. This second class of features tends to add some "noise" to Figures 2-4a through 2-4c and appear to be related to tributary features or alignments of Choccolocco Creek prior to 1940. Examples of the noisy features include fluvial features 25, 37, 39, and 51 (Figure 2-4a).

Fluvial features such as 28 through 31 (Figure 2-4a) were previously identified and sampled under the Off-Site RFI program. These features are currently in the Choccolocco Creek floodplain, and in the Off-Site RFI were referred to as former oxbows. These former oxbows are related to channel modifications designed and constructed by the NRCS (Figure 2-5). The channel modifications were implemented to reduce flooding in the area, and field observations during the Off-Site RFI indicate that although they are not connected to the creek during normal flow conditions, the former oxbows are low-lying areas and occasionally contain ponded water. PCB concentrations in these areas are elevated, as is expected in low-energy areas of the former creek and current floodplain.

The fluvial features identified in the EPIC study report provide additional information to more completely understand the distribution of PCBs in certain areas of the floodplain. For example, additional floodplain soil sampling was conducted outside the floodplain in the general area of feature 24 and 25 to complete the definition of nature and extent of contamination in this portion of the floodplain.

2.6 National Resources Conservation Service Channel Projects

The NRCS developed and implemented a plan to physically modify the Choccolocco Creek channel. The plan was to enlarge the Choccolocco Creek channel such that the channel capacity could carry the maximum low-stage release from 10 floodwater-retarding structures plus 1.5 inches of runoff from the uncontrolled portion of the basin. The plan was intended to give the channel the capacity to carry a flow volume approximately equivalent to that generated by a one-half-year to one-year storm.

The Choccolocco Creek channel enhancement project was conducted in three phases during 1990, 1993, and 1994. This work was conducted along an approximate 15-mile reach centered near the confluence of the Snow and Choccolocco Creeks (Figure 2-5). Modification of the channel consisted of the following activities:

- Clearing and snagging to improve capacity and removing debris that was causing bank erosion
- Excavating pits in the sediment bed to remove sediment and provide traps to capture bedload sediment
- Excavating channel cutoffs and floodways to reduce meanders and improve capacity at select locations
- Installing rock riprap to stabilize probable erosion
- Following up with additional cleanout of the sediment traps

The intended result of these modifications was to create a channel with essentially the same bank conditions and make the channel 1 to 4 feet deeper.

As part of the streambed-deepening portion of the project, bed sediment from approximately one-quarter of the channel length was proposed for excavation. The designated sediments were located at point bars or other major armored sediment deposits to remove as much of the coarse material and the deepest sediments controlling stream grade as possible. The NRCS anticipated that the select removal would destabilize the remaining sediment bed, thus inducing sediment movement. The original excavations would serve as sediment traps for remobilized material and would be dredged periodically until the creek scoured the bed to the desired elevation.

The project design called for streambed material to be placed on land in existing depressions or in spoil piles near the creek. Spoil piles were covered with 6 inches of topsoil. Figures 2-6a and 2-6b show the approximate locations where the dredged sediment was placed. The *Dredge Spoil Area Evaluation Report, Snow Creek and Choccolocco Creek, Calhoun and Talladega Counties, Alabama* (Roux Associates, Inc., [Roux] 1998) provides detailed measurements and descriptions and photographs of each dredge spoil area. All sediment disposal areas are within the footprint of the floodplain and away from the creek bank.

2.7 Demography and Land Use

The following subsections provide information on land use within OU-4 as well as data on the demography for the surrounding cities of Oxford, Munford, Talladega, and Lincoln and their respective counties. The city of Oxford is in both Calhoun and Talladega Counties and is located

at the most upstream portion of OU-4 at the confluence of Snow Creek and Choccolocco Creek. The cities of Munford, Talladega, and Lincoln are within Talladega County only. Munford is located approximately 8 miles downstream from the confluence of Snow Creek, and only the northern portion of the city is located within the OU-4 100-year floodplain. Talladega's northern city limit is located approximately 4 miles south of Choccolocco Creek and 14 miles downstream from the confluence of Snow Creek. Choccolocco Creek runs through the center of the city of Lincoln, approximately 18 miles downstream from the confluence of Snow Creek.

The area land use for the entire Site ranges from heavy industrial and manufacturing to largely agricultural or forested. The majority of OU-1/OU-2 is a mixture of residential and nonresidential properties with the nonresidential areas including a range of industrial and commercial uses. The southern portion of OU-1/OU-2 forms the northeastern border of OU-4 and is in the city of Oxford. This northeastern portion of OU-4 is different than the remainder of OU-4 and includes residential, commercial, and some manufacturing. The majority of OU-4 includes agricultural and forested areas that together comprise 87% of the land use for OU-4 (Section 2.7.2).

2.7.1 Demographics

Population, demography, and growth estimates for the cities of Oxford, Munford, Talladega, and Lincoln listed below are based on the latest census information—the 2010 Census conducted by the United States Census Bureau (USCB):

- Oxford: The total population of the city of Oxford was 21,348, with 25% of the population under the age of 18, 75% 18 years old or over, and 13% over the age of 65. Oxford's population was estimated to drop less than 1% by 2012 (USCB 2013).
- Munford: The total population of the city of Munford was 5,927, with 28% of the population under the age of 18, 72% 18 years old or over, and 11% over the age of 65. Munford's population was estimated to increase by approximately 1.5% by 2012 (USCB 2013).
- Talladega: The total population of the city of Talladega was 15,676, with 23% of the population under the age of 18, 77% 18 years old or over, and 14% over the age of 65. The city of Talladega's population was estimated to drop less than 1% by 2012 (USCB 2013).
- Lincoln: The total population of the city of Lincoln was 6,266, with 23% of the population under the age of 18, 77% 18 years old or over, and 13% over the age of 65. The population of Lincoln was estimated to grow by approximately 1% by 2012 (USCB 2013).

In 2010, Calhoun County, Alabama (which includes the city of Oxford), had a population of 118,572, with 23% of the population under the age of 18, 77% over the age of 18, and 15% over the age of 65 (USCB 2013). In 2010, Talladega County, Alabama (including the cities of Oxford, Munford, Talladega, and Lincoln), had a population of 82,921 with 23% of the population under the age of 18, 77% over the age of 18, and 14% over the age of 65.

2.7.2 Land Use

The Choccolocco Creek floodplain encompasses approximately 6,000 acres. Numerous properties within OU-4 are owned by private and public entities that are used for forestry, agricultural, commercial, industrial, recreational, and residential purposes. Figure 2-7 depicts land use within the 100-year floodplain. Agricultural and forested lands account for 87% of current land use within the floodplain. Residential land use is currently limited to several isolated areas. The commercial and industrial areas consist of the airport property and two publicly operated wastewater treatment plants (WWTPs) serving the cities of Anniston and Oxford.

The percentage of each land use in OU-4 is shown on the pie chart inset on Figure 2-7 and is as follows:

- Agricultural: 44%
- Forest: 34%
- Scrub: 8%
- Commercial/Industrial: 6%
- Residential: 3%
- Roads: 3%
- WWTP: 1%
- Parks: 1%

2.8 Conservation Corridor

In 2001, a Conservation Corridor was proposed as part of a broader watershed framework for areas surrounding Choccolocco Creek and along downstream portions of Snow Creek. The need for land use controls to protect Choccolocco Creek was recognized due to a combination of 1) land use practices occurring at the time, 2) the effects of urban drainage from the broader watershed entering the creek, and 3) a series of point discharges that entered the creek. These concerns were initially identified through a water quality and habitat study conducted by Auburn University (Bayne 1997a) and were supported by habitat studies conducted under the RCRA and CERCLA programs. The vision for these land use controls was to limit the impacts of urban runoff and agricultural practices on both the creek and floodplain.

The Conservation Corridor concept was formalized in 2005 and has since been executed through the nonprofit Georgia-Alabama Land Trust Inc. (including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.) (the Land Trust). In combination, this Land Trust organization safeguards over 380,000 acres of conservation land (Georgia-Alabama Land Trust 2018). This Land Trust was chosen because they earned national recognition for their land conservation practices and procedures and received national accreditation from the Land Trust Accreditation Commission, an independent program of the Land Trust Alliances. Additionally, this Land Trust has a local presence and has demonstrated effectiveness at maintaining active and sustainable engagement with the local community and provide ongoing true stewardship of the properties—both of which are essential for effective long-term implementation of a Conservation Corridor.

The key concepts of the Conservation Corridor are to protect and enhance water quality in Choccolocco Creek by limiting development of and implementing best practices for lands bordering the creek. These concepts are also consistent with the overall watershed management concepts being implemented nationwide. The following is the list of goals that the Land Trust used for guiding development of the Conservation Corridor:

- Protect the undeveloped nature of land bordering Choccolocco Creek
- Create a natural habitat terrestrial corridor along Choccolocco Creek
- Minimize stream bank and soil erosion by creating and protecting forested riparian buffers
- Protect natural habitat for rare, endangered, or threatened species
- Preserve open space for public enjoyment
- Protect the land surrounding Choccolocco Creek from land fragmentation and preserve its contiguous, open-space nature
- Provide land use protections (e.g., formal deed restrictions) that survive in perpetuity
- Protect the existing land uses and landowners' rights

These goals and the expertise of the Land Trust were used to target land for acquisition—through conservation easements or purchase—for the Conservation Corridor.

Property easements or land acquisitions were obtained in a phased approach with the initial focus on the first 10 miles of Choccolocco Creek downstream from its confluence with Snow Creek. The areas targeted along this reach included the creek bank outward to the 100-year floodplain or 1,000 feet from the creek bank, whichever was less. The downstream end of this initial 10-mile reach was the confluence of Choccolocco Creek and Coldwater Creek. The second area of focus began at the Coldwater Creek confluence and extended downstream to approximately Highway 77. The targeted width of the Conservation Corridor along this lower 21-mile portion of Choccolocco Creek was narrower and included a 150-foot buffer on each creek bank. This narrower corridor was deemed appropriate because land development pressures were lower in these downstream areas and protecting the riparian buffer zone immediately adjacent to the creek is a high priority for the Conservation Corridor. It also minimized the size (acreage) of the area that would be placed under easement or acquired, which in turn, provided a cost-effective use of funding resources.

Over 1,500 acres of land are currently part of the Conservation Corridor. Figures 2-8a through 2-8t show details of the Conservation Corridor, including each property that is included. Figure 2-8a is a summary key for the Conservation Corridor figure series. Figures 2-8b through 2-8t show the Conservation Corridor as it currently exists. The easement areas on the figures are often identified by zone, based on the distance from the creek bank. The use limitations of the zones are detailed in the individual baseline data reports that are part of the conservation easements. Although the specifics vary by easement, the zones and their permitted uses generally include the following:

- Zone 1 is the area closest to the creek bank and usually extends 50 to 100 feet from the bank. The intent of Zone 1 is to leave the riparian buffer zone as natural as

possible. Planting native hardwood trees is allowable with the intent of converting the acreage into a functioning hardwood forest ecosystem.

- Zone 2 is the area outside of Zone 1 and can extend up to 500 feet from the creek bank. The uses permitted in Zone 2 are more flexible than in Zone 1 but are still constrained. For example, commercial timber harvesting is permitted provided that it is conducted in accordance with forestry management guidelines and the specific terms of the easement.
- Zone 3 includes the areas outside of Zone 2. In Zone 3, buildings, structures, utility lines, driveways, roads, and excavation are prohibited unless specifically excepted in the easement.
- Some of the figures and deeds include a riparian buffer zone, defined as within 50 feet of the Snow Creek bank and within 200 feet from the Choccolocco Creek bank. The riparian buffer zone is similar to Zone 1, where no agricultural uses, including timber harvesting, are permitted.

For some of the properties, an agricultural easement is also in place. The agricultural easement areas are located outside of Zones 1 and 2, and, in keeping with the conservation values and historical uses of the property (not commercial farming), agricultural activities are permitted provided they do not cause soil erosion or other harm. Domestic and farm animals must be confined so as not to access Zones 1 or 2.

The Land Trust is responsible for inspecting easement areas and Land Trust-owned properties as part of their ongoing stewardship commitments. This includes identifying locations where activities are taking place on the properties that are inconsistent with the provisions of the conservation easements. The Land Trust is currently conducting inspections throughout the year and providing the report(s) on those inspections to P/S. P/S will periodically confirm the Land Trust's stewardship in the Corridor using the Land Trust's annual inspection reports as a technical basis.

2.9 Ecological Habitat

OU-4 is the most geographically expansive of the OUs delineated at the Anniston PCB Site. It encompasses large areas of potentially suitable habitat for ecological receptors and includes a variety of distinct habitats. It also includes a number of areas that have been substantially affected by agriculture, grazing, urbanization, and other human activities. Several ecological investigations were conducted in OU-4 between 1996 and 2010, including habitat assessments and ecological surveys of vegetation, benthic macroinvertebrates, fish, reptiles, amphibians, birds, and mammals. These data were collected to meet a variety of specific objectives and were collected to support ecological risk assessment activities for OU-4. Summaries of each study and the resulting data are presented in Section 4.7.

The habitat within OU-4 can be divided into aquatic habitats, which encompass the creek and its banks and the terrestrial habitats in the adjoining 100-year floodplain outside of the creek banks. The initial portion of the floodplain immediately adjacent to the creek bank includes the riparian corridor that often includes a forested canopy buffer along the creek edge. The habitat types within OU-4 are described below.

2.9.1 Aquatic Habitats

The aquatic habitats and benthic substrates and communities of Choccolocco Creek were assessed by Bayne (1997a), by BBL (2000a, 2005a), and by Arcadis BBL (2007a). The assessments evaluated the habitat and biological communities along Choccolocco Creek. Five general habitat types were identified: riffle, run, emergent aquatic vegetation (EAV), depositional, and backwater. Instream habitat observations were dominated by riffles and EAV. The majority of both the riffle areas and EAV occur in the middle reaches of Choccolocco Creek, followed by the upper reaches (Figures 2-10a and 2-10b). Approximately 71% of the total area of EAV and 62% of the total riffle area occur between river mile (RM) 18 and RM 26. No submerged aquatic vegetation (SAV) was observed in the creek at the time the surveys were conducted. Snags are also present throughout the creek but were not as abundant as deadfalls occurring along the shoreline (i.e., approximately 107 deadfalls compared to 46 snags).

Deadfall habitat features are trees that have died and fallen into or immediately next to the creek. These deadfall trees provide habitat for aquatic species, including shade and protection from predators. The trees also provide resting areas and an opportunity to hunt prey for many avian, amphibian, and reptile species. Snags are dead trees that have not fallen and provide habitat for a wide range of species.

There are approximately 32 depositional islands surrounded by EAV. The majority of instream depositional areas are concentrated within the upstream reaches of Choccolocco and Snow Creeks (between RM 27 and RM 37); however, the majority of depositional islands that have associated EAV occur within the middle reaches of the creek, similar to the general trend of EAV.

The dominant creek bank features are characterized by a naturally vegetated shoreline, which accounts for approximately 85% of the total length of the creek bank within the study area. Deadfall is also abundant throughout the creeks reaches (approximately 107 counted). The greatest number of deadfalls occur within the most upstream portions of the creek, between RM 27 and RM 37. Similar to instream depositional locations, areas of sediment deposition along the creek bank as point bars or beaches are also abundant in the upstream reaches, between RM 27 and RM 37. At least 21 tributaries/backwaters of various sizes can be identified along the creek, 11 of which occur in the upstream reaches between RM 27 and RM 37. Downstream of Jackson Shoals, Choccolocco Creek is under the hydraulic influence of Lake Logan Martin. The habitat in this reach of the creek is similar to the lake in that the velocity of the creek is greatly reduced, water depths increase, and the thickness of the sediment bed increases.

The predominant instream habitat at the lower end of Snow Creek between Highway 78 and the confluence of Snow and Choccolocco Creeks is characterized as a long run with virtually no sinuosity, and riffles are limited to small areas near bridge abutments associated with Highway 78 and Recreation Drive. Creek banks were almost always vegetated, and sediment deposits (and often debris) were most noticeable around bridge abutments and were often vegetated. Deadfall was observed primarily along forested reaches of the creek. Section 4.7 provides additional detail on habitat observations.

2.9.2 Benthic Invertebrate and Fish Observations

Benthic macroinvertebrate communities have been surveyed as a part of three studies on four separate occasions: 1996 (Bayne 1997a), 1999 (BBL 2000a), and 2006 and 2007 (Arcadis BBL

2007a). Fish were surveyed in 2006 and 2007, and epibenthic mollusks were surveyed in 2006 (Arcadis BBL 2007a). In general, bottom substrate, canopy cover, available microhabitat (e.g., presence of deadfalls or EAV), and flow regime influence the quality of the habitat and its ability to support aquatic life. Depositional areas typically support lower diversity and numbers of benthic species, while riffle and EAV areas support the highest. The dominant species within OU-4 varied by season but generally included rock snails (*Leptoxis* sp.), mayflies (*Isonychia* sp.), caddisflies (*Cheumatopsyche* sp.), dipterans (primarily midges of Chironomidae family and black fly larvae of *Simulium* sp.), clams, and damselflies (*Enallagma* sp.). Mollusks occur most frequently in riffle and run habitats, with the Asiatic clam (*Corbicula fluminea*) being the primary species observed. Very few mollusks were observed in backwater and depositional habitats.

Fish diversity is lower in backwater areas, but the total abundance is similar between habitat types. Dominant species (by number observed) within OU-4 riffles during the habitat studies were tricolor shiner (C*yprinella trichroisti*a), emerald shiner (*Notropis atherinoides*), and largescale stoneroller (*Campostoma oligolepis)*. Dominant species within OU-4 EAV habitats include bluegill (*Lepomis macrochirus*), mimic shiner (*Notropis volucellus*), and largescale stoneroller. Dominant species in reference EAV habitats were bluegill, longear sunfish (*Lepomis megalotis*), and largescale stoneroller. Dominant species within OU-4 runs included silverstripe shiner (*Notropis stilbius*), bluegill, longear sunfish, and blacktail redhorse (*Moxostoma poecilurum*). There was some seasonal variation in abundance for invertebrates and fish between fall and spring with higher abundance for both in spring.

In addition to the forage fish identified above, other fish species observed during OU-4 field investigation activities have included a range of bass (largemouth [*Micropterus salmoides*], spotted [*Micropterus punctulatus*], white [*Morone chrysops*], striped [*Morone saxatilis*], and hybrid [*M. chrysops x M. saxatilis*]), catfish (channel *[Ictalurus punctatus*], blue *[Ictalurus furcatus*] and flathead [*Pylodictis olivaris*]), gizzard shad (*Dorosoma cepedianum*), spotted gar (*Lepisosteus oculatus*), common carp (*Cyprinus carpio*), freshwater drum (*Aplodinotus grunniens*), sunfish (Centrarchidae), and crappie (*Pomoxis*).

2.9.3 Aquatic Wildlife Observations

Aquatic bird, mammal, reptile, and amphibian surveys were conducted from canoes in 2006 and 2007. Additionally, focused reptile and amphibian surveys were performed in late March to early April 2008 to obtain further information on community presence and to refine both Phase 2 biological tissue sampling and food web model inputs for the OU-4 BERA. While the intent of the surveys was to evaluate the aquatic species associated with the creek, a number of terrestrial species were also observed along banks. This discussion focuses on aquatic and semiaquatic species. The full list of observations can be found in Appendix G. A detailed description of the surveys and results for aquatic and semiaquatic species is presented in Section 4.7. Four aquatic or semiaquatic mammal species were observed by sight, sign, or track. The beaver (*Castor canadensis*), muskrat (*Ondatra zibethicus*), and raccoon (*Procyon lotor*) were most frequently observed (or signs/tracks were observed) in a variety of habitats, but all were commonly seen around deposition and mudflat/bank areas. American mink (*Neovison vison*) tracks were observed in depositional, bank, or run habitats. Additionally, evidence of river otters (*Lontra canadensis*) has been noted within OU-4 during Site visits occurring after the 2006 and 2007 surveys (Truchon 2014, personal communication).

Eleven species of birds common to aquatic habitat were observed. The most commonly observed birds associated with aquatic habitats were the great blue heron (*Ardea herodias*), the belted kingfisher (*Megaceryle alcyon*), and the wood duck (*Aix sponsa*). The heron was observed with similar frequency in a range of habitats. The kingfisher was most commonly observed in canopy and overhang areas, while the duck was most commonly observed in run and depositional areas. Additional aquatic bird species observed included American anhinga (*Ahninga anhinga*), Canada goose (*Branta canadensis*), great egret (*Ardea alba*), green heron (*Butorides virescens*), hooded merganser (*Lophodytes cucullatus*), mallard (*Anas platyrhynchos*), American osprey (*Pandion haliaetus*), and snowy egret (*Egretta thula*).

In total, 23 distinct amphibian or reptile species were observed. The most commonly recorded species during the aquatic surveys was the common map turtle (*Graptemys geographica*). Turtles were the most commonly recorded group; the top four most commonly observed species were (common map turtle, common musk turtle [*Sternotherus odoratus*], river cooter [*Pseudemys concinna*], and snapping turtle [*Chelydra serpentina*]).

2.9.4 Terrestrial and Riparian Habitats

Habitat was delineated and assessed in the OU-4 floodplain in 2001, 2002, 2006, and 2007. The prominent habitat types in the OU-4 floodplain include two open land habitat types (maintained fields and successional fields) and forested floodplain (Figure 2-7). Maintained fields include landscaped property, right-of-way, mowed lawn, agriculture/silviculture/hay, and grazing by livestock or horses. Successional fields include areas in which herbaceous plants are dominant with little or no scrub/shrub layer and areas with well-represented scrub/shrub layer, intermixed herb layer, and some larger saplings. Forested floodplain includes areas with canopy of varying density with associated understory absent/sparse to well-developed. Other floodplain habitats include a small number of wetlands and open water areas that are separated from the creek and persistent.

The habitat assessments indicate that the floodplains along the Choccolocco Creek portion of OU-4 are primarily comprised of a mix of second-growth forest and human-maintained areas, including agriculture and silviculture activities. The distribution of these habitat types is relatively even between the confluence with Snow Creek and RM 19. The floodplain corresponding to RM 19 through RM 23 is narrow, and bank slopes are extremely steep. The floodplain habitat in this area is primarily floodplain forest. From downstream of this area to Jackson Shoals, the primary floodplain habitat type is agriculture and pasture land. Downstream of Jackson Shoals, a traditional floodplain is not present due to the control of the lake level at the dams at Lake Logan Martin—the Neely Henry Dam and the Logan Martin Dam, respectively—along this lower portion of Choccolocco Creek (downstream of Jackson Shoals). In this area, the lateral extent of OU-4 is bounded by the water line of Lake Logan Martin under normal pool conditions (elevation 465 feet above mean sea level).

Agricultural and pasture land compose the majority of the nonforested land within the floodplain. Agricultural fields and pasture land were dominated by goldenrod (*Solidago spp.*), Japanese honeysuckle (*Lonicera japonica*), asters (*Aster spp.*), and various grasses during the survey of the 2001/2002 transects; grasses and clover were most commonly observed during the survey of the 2006 transects. Early successional fields were the least frequently observed on open land habitat. Open land habitats consistently showed lower diversity of vegetation and wildlife than

forested areas likely due to the presence of vegetative monocultures and reduction in available habitat types for wildlife.

The majority of forest habitats were categorized as forest edge habitats, both along the creek bank and field margins. Forested habitats were predominantly deciduous; frequently observed species included sycamore (*Platanus occidentalis*), box elder (*Acer negundo*), American elm (*Ulmus americana*), and hickories (*Carya spp*.). Forest edge and small patch forests were more common than large, contiguous forest areas. Vegetation and wildlife observations were abundant in forested habitats. Isolated wetlands and open water made up the remaining habitat observations. With the exception of Choccolocco Creek itself, these habitats were not frequently observed, and they did not encompass large areas where observed. Alligator weed (*Alternanthera philoxeroides*) and switchgrass (*Panicum virgatum*) were common species in these areas.

Approximately 600 acres of riparian area are present within the OU-4 floodplain. Within the riparian areas (identified as the 100-foot buffer on either side of the creek[1]), the majority (517 acres of the approximately 600 total acres) of the area is characterized as forested floodplain. A diverse and highly functional riparian corridor exists along most of the creek. In some areas, the corridor is narrow and abuts maintained fields (e.g., RM 35 to RM 36); in other areas the riparian area is adjacent to other quality habitat such as forested floodplain (e.g., RM 30 to RM 31). The riparian corridor, while variable in width, is densely forested and forms an important buffer zone between terrestrial/human maintained areas and the creek. In most areas, the corridor contains a substantial number of large, older, well-established trees dominated primarily by box elder and sycamore. These trees provide an important canopy of cover for the creek and its bank habitats and are an important factor in maintaining shoreline stability and creek habitat viability. Although these water-influenced habitats occupy approximately 10% of the project area, they are used by a disproportionate number of wildlife and plant species. The diversity of structure and cover provides nesting habitat, hiding and thermal cover, and food (insects, seeds, and vegetation) for a variety of bird and mammal species. The adjacent water provides a source of water and food for aerial insectivores. In addition, riparian habitat also helps regulate light and temperature and is a source of large woody debris, which can provide important instream habitat and stream stability. The riparian habitat also helps regulate water flow and nutrient load from upland areas (Naiman and Décamps 1990). Moreover, contiguous riparian zones create important corridors for wildlife that link a variety of ecosystems together and help maintain critical biodiversity.[2]

Terrestrial habitat along the Snow Creek portion of OU-4 was dominated by maintained fields for public recreation; I-20, including its right of way; a WWTP; and the final cap that was constructed over a stockpile of PCB-containing soils east of Snow Creek (see Section 3.4.2). The area also includes several businesses focused on food service, an undeveloped parcel that is owned by the Land Trust and several small disconnected wooded areas. The riparian habitat along this portion of Snow Creek is limited and dominated by maintained grass areas that directly abut the creek's edge.

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[1] The riparian area along either side of the creek is variable, and the 100-foot designation is an operational definition employed for the exposure assessment to ensure that receptors that reside or forage within this zone are adequately evaluated.

[2] http://cowsandfish.org/pdfs/biodiversity.pdf.

2.9.5 Terrestrial Plants and Invertebrates

Vegetation was surveyed in fall 2001 and spring 2002 (BBL 2005a) and during the 2006/2007 Phase 1 ecological surveys. For forested floodplain habitats, there were 12 common dominant tree and shrub species, while the herbaceous layer indicated 3 species in common. Green ash (*Fraxinus pennsylvanica*), box elder, and tulip tree (*Liriodendron tulipifera*) were the most common tree species observed. Chinese privet (*Ligustrum sinense*), common greenbriar (*Smilax rotundifolia*), eastern hophornbean (*Ostrya virginiana*), and red maple (*Acer rubrum*) seedlings were the most common shrub species observed. Clearweed (*Pilea pumila*), false nettle (Boehmeria), and Japanese stilt grass (*Microstegium vimineum*) were the most common herbaceous plant species observed. For successional field habitats, there were 5 common dominant shrub species, while the herbaceous layer indicated 10 species in common. Blackberry (*Rubus fruticosus*) and elderberry (*Sambucus* sp.) were most common among the shrubs observed. Yellow foxtail (*Setaria pumila*), goldenrod, ironweed (*Vernonia* sp.), and little bluestem (*Schizachyrium scoparium*) were the most common herbaceous plant species observed. For maintained field habitats, there were 5 common dominant herbaceous plant species. Yellow foxtail, bahia grass (*Paspalum notatum*), and crabgrass (*Digitaria sanguinalis*) were the most commonly observed between OU-4 and reference areas.

Soil macroinvertebrates were surveyed in spring 2007. Sixteen varieties were observed, and the diversity and counts were similar among habitat types. The most dominant taxon groups observed across all habitat types included Collembola (springtails) and ants. Harvestmen (*Opillionids* sp.), moths and butterflies (*Lepidoptera* sp.), aphids and cicadas (*Hemiptera* sp.), millipedes (*Diplopoda* sp.), and earthworms (*Lumbricina* sp.) were observed infrequently.

2.9.6 Terrestrial Wildlife Observations

Wildlife frequency was surveyed within each general habitat type during fall 2001 and spring 2002 surveys, and the overall number of wildlife observations was similar between the two seasons. Observations of birds, mammals, reptiles, and amphibians were also made during the 2006/2007 surveys. In general, birds were the most commonly observed wildlife, and blue jays (*Cyanocitta cristana*) were observed frequently and in all habitat types. In the fall, wildlife observations were more common in forest and maintained field habitats than in wetland or successional field habitats. Wildlife or signs of wildlife were observed with similar frequency throughout the range of habitats in the spring.

Wildlife observations made from floodplain transects along the Choccolocco Creek portion of OU-4 included a number of aquatic species described above including fish (fry), piscivorous birds, waterfowl, and turtles. This discussion focuses on the terrestrial observations. The eastern coyote (*Canis latrans*) was the most common species recorded in all surveys. The forested cover type was the most diverse with observations of the armadillo (Cingulata), chipmunk (Tamias), gray squirrel (*Sciurus carolinensis*), raccoon, white-tailed deer (*Odocoileus virginianus*), and long-tailed weasel (*Mustela frenata*). Domestic cattle (*Bos taurus*), eastern coyote, gray squirrel, and white-tailed deer were observed in the maintained field cover type within OU-4. Eastern cottontail rabbit (*Sylvilagus floridanus*), eastern coyote, white-tailed deer, and woodchuck (*Marmota monax*) were observed in the successional field cover type. Small-mammal trapping was conducted in 2006 and 2007 and provided variable results across habitat type and season. For example, the number of small mammals caught in each habitat type was similar (ranged from 16 to 24), but seasonally, higher numbers were caught in fall compared to winter and spring.

In the Snow Creek floodplain, common wildlife species were predominantly various species of birds, including starlings (*Sturnus vulgaris*), grackles (*Quiscalus quiscula*), mockingbirds (*Mimus polyglottos*), blue jays, catbirds (*Dumetella carolinensis*), and mourning doves (*Zenaida macroura*).

The most commonly recorded amphibian or reptile species in OU-4 during the terrestrial surveys were cricket frog (*Acris crepitans*), northern slimy salamander (*Plethodon glutinosus*), river cooter, and southern leopard frog (*Thobates sphenocephalus*).

2.9.7 Summary

As described above, a great deal of ecological data has been collected for OU-4. Based on the observations and data collected, habitat quality and the ecology within the OU-4 portions of Snow Creek and Choccolocco Creek have been affected by human activity such as urbanization, agriculture, and grazing in some areas. Portions of OU-4 also include areas with valuable aquatic and riparian habitat. The detailed habitat and species survey evaluations were used to better understand the site-specific potential for receptor exposure in conducting the OU-4 BERA. In addition, the species surveys and counts were used to compare OU-4 conditions to reference conditions. Collectively, these data provided valuable information used in evaluating potential Facility-related ecological impacts in the OU-4 BERA.

3. REMOVAL ACTIONS, INTERIM MEASURES AND FINAL CORRECTIVE MEASURES IMPLEMENTED IN OU-4

This section summarizes residential removal actions, IMs, support for several infrastructure improvement projects, and final corrective measures in OU-4. Figure 3-1 shows the locations where these IMs, infrastructure improvements, and final corrective measures have been implemented. Summaries for each of the activities are presented in the following subsections with supporting details for the residential removal activities presented in the Completion Report (Golder 2015) and the associated annual addenda reports (Golder 2016, 2017; Solutia 2018a, 2019). Supporting details for the IMs, infrastructure improvement projects, and final corrective measures are provided in various documents included with this report as Appendix A. Table 3-1 includes a listing of the reference documents provided in Appendix A (Appendices A-01 through A-36). The appendix documents listed in Table 3-1 are arranged in chronological order and are referred to in this report when pertinent and are not necessarily called out in numerical order. The Section 3 figures show PCB analytical and screening results for samples that were associated with these IM, infrastructure support, and final corrective measure projects.

3.1 Residential Removal Program

As part of the residential sampling and removal activities for OU-1/OU-2, P/S previously submitted the EE/CA (Solutia 2003a), which USEPA approved on September 24, 2003. The EE/CA documented soil removal and disposal to be the most appropriate removal action alternative for the residential areas. The *NTC Removal Action Approval Memorandum* (USEPA 2004a) concurred with the EE/CA findings. In this memorandum, USEPA selected the residential soil action level at or above PCB concentrations of 1 mg/kg in surface soils and at or above 10 mg/kg for depths of 12 inches or more below ground surface (bgs). Provisions for indoor and crawl space sampling and removal were also included as part of the residential removal program. Additionally, the memorandum included a provision that soil with PCB concentrations less than 10 mg/kg, as determined based on five-point composite sampling results, removed from the affected properties could be placed beneath a soil cover at one of the two soil management areas located near the Facility (i.e., central soil staging management area or south soil staging management area). Soil with PCB concentrations greater than or equal to 10 mg/kg was disposed of off-site at permitted facilities.

P/S prepared a supplemental sampling and analysis plan (SSAP) to describe the procedures that would be implemented to support the removal actions at residential properties. USEPA approved the *NTC Removal Action Supplemental Sampling and Analysis Plan for the Anniston PCB Site, Revision* (Solutia 2004a) in May 2004. The SSAP focused on residential sampling and presented a comprehensive strategy to spatially evaluate the nature and extent of contamination for residential properties. The *NTC Removal Action Residential Soil Removal Work Plan for the Anniston PCB Site* (RSRWP; Solutia 2004b) describes the approach for performing removal actions on residential use areas where composite sampling results indicated PCBs concentrations in surface soils were greater than or equal to 1 mg/kg.

The EE/CA, RSRWP, SSAP, and other related residential soil removal documents were the basis for conducting removal actions at residential use areas at the Site under the NTC Removal Agreement. Residential use area soil removal actions were conducted in accordance with the requirements of these documents. Five-point composite samples collected from no larger than

0.25-acre residential use areas were used to determine whether soils required removal based on a 1-mg/kg-PCB action level. If PCB concentrations in surface soils were above 1 mg/kg, soils were excavated and clean backfill was placed in the excavation area. Sampling and removals have been conducted throughout OU-1/OU-2 including areas inside and outside of the Snow Creek floodplain. Additional sampling and removals have been conducted in OU-4. The sampling and removals in OU-4 occurred in two phases—the Evaluation Area 35 phase and the broader portions of OU-4 phase. The first set of activities were focused on Evaluation Area 35.

Evaluation Area 35 residential properties are in the upstream portion of OU-4 near the confluence of Snow and Choccolocco Creeks and were addressed at the same general time as residential properties located in OU-1/OU-2. Evaluation Area 35 was added to the residential program following requests from residents in the general area to assess the potential for PCBs to be on their properties. Within Evaluation Area 35, P/S identified 25 residential properties for sampling, 8 of which required a removal action. Removal actions were completed for all 8 properties with PCB concentrations exceeding 1 mg/kg. There is no additional work pending in Evaluation Area 35.

To address properties in the broader portions of OU-4 with potential residential land use, P/S developed work plans to identify such properties and to sample these properties. The identification of residential use areas for sampling under the OU-4 residential property field sampling plan (RPFSP) was developed under the OU-4 Phase 3 FSP (Arcadis 2010b) and addenda (Arcadis 2011a,b). This process and the findings are described in more detail in Section 4.1.2.2 of this OU-4 RI. P/S developed the *Operable Unit 4 Residential Property Field Sampling Plan* (OU-4 RPFSP; Arcadis 2012) to describe the procedures for sampling residential use areas adjacent to residential structures identified within OU-4. USEPA and P/S agreed it was appropriate to apply the procedures and decision processes defined in the NTC Removal Agreement to the residential use areas in broader portions of OU-4 as the approach was previously used for the residential removals that were conducted within Evaluation Area 35.

On March 5, 2012, USEPA approved the residential use surface soil sampling as described in the OU-4 RPFSP (USEPA 2012a). P/S completed surface sampling at each of the residential properties identified. P/S subsequently provided sample results to USEPA and requested concurrence that any residential removals required in OU-4 would be conducted under the NTC Removal Agreement, including the provision that excavated soils with PCB concentrations less than 10 mg/kg based on composite sampling be placed in the south soil staging management area. USEPA approved the request in July 2012 (USEPA 2012a,b).

Details regarding access, sampling, and removal activities for OU-4 residential properties located in the broader portion of the OU-4 floodplain (non-Area-35 properties) are provided below.

3.1.1 Access and Sampling

Once a property was identified for sampling, a letter requesting property access was either mailed or hand-delivered to the owner/tenant(s) of the property in accordance with the requirements of the NTC Removal Agreement.

Five-point composite surface soil samples were collected from the residential use areas and analyzed for PCBs and lead in accordance with procedures in the SSAP (Solutia 2004a). If the PCB concentrations in surface soil samples were below 1 mg/kg, then the area was designated as

complete, and no further sampling was required. If the PCB concentrations were greater than or equal to 1 mg/kg, additional sampling (depth sampling) and a removal action were required for that portion of the residential property. Within OU-4 (not including Evaluation Area 35), P/S identified 34 residential properties requiring sampling. P/S had previously identified 25 residential properties in Evaluation Area 35 for sampling. In total, surface soil sampling has been completed at all 59 residential properties in OU-4.

If additional sampling (e.g., depth sampling) and a removal action were required, removal action access was requested from the owner/tenant(s). The owner/tenant(s) were sent a letter and an access agreement describing the required work and requesting permission for access. If the owner/tenant(s) granted removal response access, depth soil samples were collected in 12-inch increments from 12 inches bgs until a PCB concentration below 10 mg/kg was reported for the subsurface soil.

For properties with surface soil PCB concentrations greater than or equal to 1 mg/kg, crawl spaces beneath on-site structures were sampled based on the criteria included in the SSAP (Solutia 2004a). Additionally, if indoor access was granted, indoor dust sampling was conducted.

3.1.2 Residential Removal Actions

The residential removal activities included removing the upper 12 inches of soil where PCB concentrations in the surface soil samples were greater than or equal to 1 mg/kg and access was granted. This included removing the upper 12 inches of soil from the affected area (e.g., front, back, and/or side yard or portion thereof). Depending on the results of the depth sampling, soils below a depth of 12 inches were removed until the PCB concentrations were below 10 mg/kg.

Removal actions were conducted in areas where residents had unrestricted access to soil, including open yards, play areas, and gardens. The removal actions did not include improved areas covered with structures, pavement, or concrete. Partially improved areas, such as gravel-covered areas used for parking, were evaluated case by case to determine if they provided adequate exposure protection. The removal actions did not extend beyond the residential use areas and were not conducted in wooded areas, wetland areas, or other areas that were not readily accessible. Removal actions were not conducted in areas around trees with a caliper of 2 inches or larger, nor around bushes and shrubs unless the owner agreed that the bushes and shrubs could be removed. Where feasible, surface soil was scraped from under the canopy of trees and shrubs to within 2 to 3 feet of the trunk where the feeder roots surfaced; the removed soil was replaced with sod. Large stationary objects (e.g., storage sheds, animal shelters) were not moved, and setbacks around these objects were established. Hand tools were used to minimize setback requirements such that removal activities did not jeopardize the integrity of the subject structures and other property improvements.

Excavated soils with PCB concentrations less than 10 mg/kg were placed in the south soil staging management area. Soils with PCB concentrations greater than or equal to 10 mg/kg but less than 50 mg/kg were disposed of at Three Corners Regional Landfill in Piedmont, Alabama.

Table 3-2 summarizes sampling and removal actions at the 59 residential properties located in OU-4. Removals were required for 20 of these 59 residential properties since the surface soil PCB concentrations were greater than or equal to 1 mg/kg. The residential removal actions in OU-4 are complete with removals conducted for 19 of the 20 properties because access was denied for 1 property. If property access is provided in the future for the property where access

was denied, the removal action will be implemented. There are also 5 properties where removal action was conducted and PCB residuals remain at depth. For these properties, soils below a depth of 1 foot have PCB concentrations that are greater than or equal to 1 mg/kg and less than 10 mg/kg.[3]

3.2 Interim Measures

IMs were designed to reduce potential exposure to and migration of PCBs in soils and were implemented in the following OU-4 areas:

- Oxford Lake Park, including parking areas, tennis courts, and the southwestern portion of the park
- Choccolocco Creek Dredge Spoil Areas

3.2.1 Oxford Lake Park

Between 2000 and 2012, IMs were implemented to address PCBs in soil at the Oxford Lake Park (property parcel identification numbers [PPINs] 16569 and 16563) located in Oxford, Alabama. Oxford Lake Park complex is a community recreational area owned by the City of Oxford and is located east of Recreation Drive and Snow Creek and north of I-20 and the confluence of Snow Creek with Choccolocco Creek. The park complex is approximately 25 acres and consists of several recreational areas, including an athletic field area (with 4 ball fields), a tennis court complex (with 8 tennis courts), parking areas, and an open area adjacent to Snow Creek (Figures 3-1, 3-2a, 3-2b, and 3-2c).

The IM activities were conducted at the Oxford Lake Park through multiple phases of work. Figure 3-2a shows the overall Oxford Lake Park area with the extent of IM covers installed at the park complex, locations where soil samples were collected prior to installation of the IM covers, and PCB results associated with those soil samples. Figures 3-2b and 3-2c show subset areas of the Oxford Lake Park area along with the sample identifications (IDs) for the soil samples collected prior to installation of the IM covers. Figure 3-2b shows the Oxford Lake Softball Complex, and Figure 3-2c shows the parking lot west of the softball fields, the tennis courts complex, and the southwestern portion of the park where IM isolation covers were installed. The excavation depth for soil removal activities and the locations of geotextile marker layer for the softball fields are also shown on Figure 3-2b. Table 3-3 provides a summary of PCB data for the Oxford Lake Park area soil samples referenced on these figures. These data include both PCB field-screening results and laboratory chemistry data. The IMs implemented at Oxford Lake Park are summarized below. The work plans and reports associated with IMs at Oxford Lake Park are included in the referenced documents included in Appendix A.

3.2.1.1 Oxford Lake Softball Complex

Between September 2000 and March 2001, IMs were conducted in the Oxford Lake Softball Complex in general accordance with the *RCRA Facilities Investigation Results and Interim Measures Plan for the Softball Fields at the Oxford Lake Softball Complex* (Solutia 2001a;

[3] Management of residual PCBs in residential soils in OU-4, including the five residential use areas with residuals at depth and the property where access was denied, will be discussed further in the OU-4 FS and will likely be managed the same way as residential properties in OU-1/OU-2.

Appendix A-06) and the *Oxford Lake Softball Complex Interim Measures Report* (Roux 2004; Appendix A-20). The IM activities at the softball complex were conducted under NPDES General Permit ALG610000 (ALR105784).

The objectives of these improvements were to mitigate potential exposure to PCB-containing soils and to control erosion and transport of PCB-containing soils. Surface soils containing PCBs were removed to a minimum depth of 3 inches from three softball fields (Fields A, C, and D). Twelve inches of soil were removed within the infield areas of these fields and from areas in the outfields where concentrations of PCBs exceeded 10 mg/kg (Figure 3-2b). Soil was also excavated to a minimum depth of 3 inches in the grass areas between Fields A and D, and between Fields C and D.

Following excavation, a nonwoven geotextile fabric was placed in the infield areas and covered by 12 inches of soil consisting of a silt and clay mix. In the outfield and grass areas, a nonwoven geotextile fabric was placed in areas where the excavation depth was greater than 12 inches or where PCBs were delineated at concentrations greater than 10 mg/kg. All excavations were subsequently backfilled with clean soil and covered with sod.

Figure 3-2b shows the extents of the IM soil covers installed at the softball complex, sample IDs for the soil samples collected prior to the construction of the IM covers, and PCB results associated with these soil samples. There were 216 soil samples collected from 179 locations in the softball complex that characterize conditions beneath this IM. PCBs were detected in 97% of these samples and concentrations ranged from nondetect to 51 mg/kg and had an average PCB concentration of 6.3 mg/kg.

Excavated soils were segregated according to PCB concentrations and stockpiled. Soils with PCB concentrations greater than or equal to 50 mg/kg (approximately 1,000 tons) were transported off-site for disposal at Chemical Waste Management's Toxic Substance Control Act (TSCA)-approved facility in Emelle, Alabama. Excavated soils with PCB concentrations less than 50 mg/kg (estimated at 4,500 CY; Appendix A-06) were stockpiled in an area in the western portion of the park complex and subsequently capped for use as a parking lot in 2002, as described below.

3.2.1.2 Softball Fields' Parking Lot

The second phase of IMs at Oxford Lake Park was conducted between June and October of 2001. The IM activities were conducted in general accordance with the *Removal Action Work Plan for the Stockpiled Soil Excavated from the Softball Fields at the Oxford Lake Softball Complex* (Solutia 2001b; Appendix A-07. The IM activities at the parking lot area were conducted under an extension to the existing NPDES General Permit ALG610000 (ALR105784) as approved by ADEM on May 25, 2001. Additional details associated with the IM conducted at the parking lot area are presented in the *Parking Lot Multi-Layer Cover Interim Measures Report* (Roux 2002a; Appendix A-14).

Under this phase of the IM activities, soils with PCB concentrations less than 50 mg/kg excavated from the softball complex IM work (described above) and soil excavated to facilitate construction of a footbridge and an apron at the park entrance from Recreation Drive were consolidated beneath a multilayer cover associated with the parking lot construction (Figures 3-2a and 3-2c).

Sampling confirmed that the concentrations of PCBs in the excavated soils were less than 50 mg/kg. The excavated soils were placed on a geotextile marker and were compacted in approximately 8-inch lifts to an elevation approximately 3 feet above the previous ground surface and sloped to surrounding grade. Areas of consolidated soils not designated for vehicular traffic were covered with a nonwoven geotextile fabric, a minimum of 12 inches of compacted fill, and grass sod. Pre-construction drainage patterns were maintained across these areas. In areas designated for vehicular traffic, the cover system included nonwoven geotextile, a 12-inch crushed aggregate layer, a 14-inch layer of 3-inch aggregate, a 4-inch layer of crushed aggregate, and a 3-inch asphalt cover.

A 2-foot-wide gravel-filled French drain was installed around the perimeter of the asphalt cover to facilitate drainage of the gravel aggregate layer and to minimize erosion of the soil cover. The base of the drain was covered with a nonwoven geotextile fabric. In August 2002, after post-construction inspection activities indicated that the drain was no longer necessary to control storm water runoff/drainage, the French drain was paved over with 3 inches of asphalt.

In conjunction with the IM activities, an access road was constructed connecting the parking lot to Recreation Drive. The access road consisted of a nonwoven geotextile fabric placed over the multilayer soil cover, an 8-inch layer of crushed aggregate, and 3 inches of asphalt. A culvert was constructed in the drainage channel along Recreation Drive to facilitate storm water conveyance beneath the access road. A pedestrian walkway and footbridge were also constructed to provide access to the softball fields to the east. The walkway was originally constructed with a 4-inch layer of crushed gravel placed over the multilayer soil cover, and it was subsequently paved in August 2002 to facilitate handicap access and minimize maintenance.

Figure 3-2c shows the extent of the IM covers installed at the parking lot area, sample IDs for the locations of soil samples collected prior to installation of the IM covers, and PCB results of those soil samples. There were 38 soil samples collected from 12 locations in the parking lot area that characterize conditions beneath this IM. PCBs were detected in 87% of these samples, and concentrations ranged from nondetect to 21 mg/kg and had an average PCB concentration of 2.8 mg/kg.

3.2.1.3 Tennis Court Complex

In 2002, IMs were conducted as part of the construction of the Oxford Lake Tennis Court Complex. The IMs were conducted in general accordance with the *RCRA Investigation Results and Interim Measures Plan, Oxford Lake Softball Complex, West Area* (Roux 2002b; Appendix A-11). Additional details associated with the IM conducted at the tennis court complex and parking area are presented in the *Tennis Court and Parking Area Interim Measures Report* (Roux 2003; Appendix A-18). The IM activities at the tennis court complex were conducted under an extension to the existing NPDES General Permit ALG610000 (ALR105784) as approved by ADEM on April 12, 2002.

The constructed tennis court complex covers approximately 2 acres and includes 8 tennis courts, an adjacent parking lot, and a small utility building in the parking lot (Figure 3-2c). The IM activities at the tennis court complex were implemented to contain PCBs in soils below the tennis courts and an adjacent parking lot with a soil isolation cover. The tennis court and parking lot covers were overlain with asphalt to facilitate the intended end uses. As part of the IM, minor soil excavations were conducted to facilitate installation of posts for lighting and the tennis court nets. Sampling indicated that the excavated soils had PCB concentrations below 50 mg/kg.

Following excavation and sampling, the excavated soils were used as fill below the tennis courts and/or parking area prior to placement of the multilayer covers.

Prior to construction of the multilayer covers for the tennis courts, the existing ground surface was cleared, stabilized with Portland cement, compacted, and covered with a geotextile marker layer. The geotextile was covered with a minimum of 8 inches of compacted fill and a minimum of 4 inches of aggregate base course. The tennis courts were finished with a 1.5-inch compacted asphalt leveling layer and a minimum 1-inch asphalt compacted surface course layer before being sealed and painted.

A multilayer cover was also constructed in the parking lot area. The existing ground surface in the parking lot area was cleared, stabilized with a Portland cement, compacted, and covered with a geotextile marker layer. The geotextile was covered with a minimum of 9 inches of crushed aggregate base and 3 inches of asphalt. A vegetated soil isolation cover area, consisting of a nonwoven geotextile marker layer topped with a minimum of 9 inches of soil cover, was constructed in the central portion of the parking lot. A masonry building was constructed in the northwest corner of the parking area. The surface finish surrounding the building is a combination of asphalt and concrete.

A public access road was constructed connecting the tennis court parking lot to Recreation Drive. The public access road was constructed with a nonwoven geotextile fabric placed over the existing ground surface, a minimum of 9 inches of crushed aggregate base course, and 3 inches of asphalt. A crushed stone utility access roadway was also constructed off Recreation Drive to provide access for maintenance of the light standards located on the west side of the tennis courts.

Figure 3-2c shows the extent of the IM covers installed at the tennis court complex, sample IDs for the locations of soil samples collected from prior to installation of the IM covers, and PCB results associated with these soil samples. There were 44 soil samples collected from 14 locations in the tennis court area that characterize conditions beneath this IM. PCBs were detected in 98% of these samples, and the concentrations ranged from nondetect to 200 mg/kg with an average PCB concentration of 21 mg/kg.

3.2.1.4 Southwest Portion of the Park

In December 2002, IMs were constructed in an approximately 1.8-acre area in the southwestern portion of the park complex, south of Recreation Drive and west of the softball field parking lot. The IM activities were conducted in general accordance with the *Best Management Practices Plan Construction of Soil Ca*p (Roux 2002c; Appendix A-15) and a letter from ADEM authorizing a modification to the existing NPDES General Permit ALG610000 (ALR105784) (ADEM 2002a; Appendix A-16). The 1.8-acre area was covered with geotextile fabric, 9 inches of compacted fill, and 3 inches of vegetated topsoil. The Miracle Field was later constructed as an infrastructure improvement project over a portion of the 1.8-acre soil cover as described in Section 3.3.2.

Figures 3-2a and 3-2c show the extent of the IM cover installed in the southwestern portion of the park complex, sample IDs for the locations of soil samples collected prior to IM construction, and PCB results associated with those soil samples. There were 29 soil samples collected from 9 locations in the southwestern park area that characterize conditions beneath this IM. PCBs were

detected in 93% of these samples, and the concentrations ranged from nondetect to 160 mg/kg with an average PCB concentration of 19 mg/kg.

3.2.1.5 Monitoring and Maintenance

Long-term monitoring includes semiannual inspections of the IM cover systems and unplanned inspections after significant rain events (greater than 3 inches in 24 hours). Maintenance is conducted, as needed, based on the findings of these inspections.

Deed restrictions for Oxford Lake Park are in place (*Corrective Measures Study Oxford Lake Softball Complex*; Roux 2001, Appendix A-08) to ensure long-term land use for the property remains consistent with uses. In addition, the City of Oxford is required to notify P/S of any planned intrusive or land disturbance work that may occur in this area such that soil management support services can be provided by P/S, if deemed appropriate. Management of residual PCBs for the IMs implemented at Oxford Lake Park will be discussed further in the OU-4 FS and will likely be managed in the same way as nonresidential soils in OU-1/OU-2.

The City of Oxford performs routine maintenance at the park, including mowing, fertilizing, and periodic maintenance of the ball fields, paved surfaces, and grass areas.

3.2.1.6 Groundwater Monitoring

A groundwater investigation was also conducted in the Oxford Lake Park area. This OU-4 location was selected for investigation based on numerous groundwater investigations conducted for OU-1/OU-2. The groundwater investigations and results are described and presented in the OU-1/OU-2 RI Report (ENVIRON 2015) and this OU-4 RI. As described in Section 4.5.2, P/S evaluated the existing soil PCB data and concluded that Oxford Lake Park was an appropriate location to conduct an assessment of groundwater conditions in OU-4.

The *Revised Addendum #4 to the Operable Unit 1/Operable Unit 2 Field Sampling Plan, Anniston PCB Site* (Golder 2011) provided for the installation of a temporary monitoring well (T-17) at a central location in Oxford Lake Park. Based on available soil PCB data, the temporary groundwater well was installed to the west of the tennis court complex and sampled for PCBs. The laboratory data indicated that PCBs were not detected in either the filtered or unfiltered groundwater samples collected from temporary monitoring well T-17. Based on these results, it was concluded that PCB-containing soils in this area are not causing impacts to groundwater, and further investigation was not warranted. The results of this investigation were reported in the *Report on Operable Unit 1/Operable Unit 2 Third Non-Residential Groundwater Investigation, Anniston PCB Site* (Golder 2012).

3.2.2 Choccolocco Creek Dredge Spoil Areas

Between 1990 and 1994, the NRCS implemented flood protection measures, including dredging sediments to improve stream flows, along Choccolocco Creek near Oxford, Alabama. Dredge spoils from Choccolocco Creek were deposited in existing depressions or areas above grade and near the creek. These dredge spoils were stabilized by limiting the height and slope of the spoil areas. In addition, the dredge spoils were covered with topsoil and a vegetative cover.

Initially (1998–1999), P/S managed the dredge spoil areas under the RCRA Corrective Action Program in accordance with the requirements of its RCRA Post-Closure Permit issued by ADEM (Permit No. ALD004019048). In accordance with the *Off-Site Interim Measures Plan* (Solutia 1998). P/S located and evaluated the dredge spoil areas along Choccolocco Creek (Roux 1998;

Appendix A-02). Nineteen dredge spoil deposition areas were identified along the banks of Choccolocco Creek between its confluence with Snow Creek and Coldwater Creek. Figures 3-3a, and 3-3b show the approximate locations of the dredge spoil areas. Seventeen of the 19 dredge spoil areas were located below grade (i.e., filling of low-lying areas), and 2 dredge spoil areas were located above the existing grade. At the time of the 1998 evaluation, there was no evidence of slumping, erosion, or other stability concerns at the dredge spoil areas. Sixteen of the 19 dredge spoil areas had a well-established vegetative cover.

In 1999, PCB and mercury sampling and analysis was conducted on the dredge spoil areas in accordance with the *Dredge Spoil Area RCRA Facility Investigation/Confirmatory Sampling (RFI/CS) Work Plan* (RFI/CS Work Plan; Roux 1999a; Included as Appendix A of Appendix A-03). The results of the dredge spoil sampling activities are summarized in the *Dredge Spoil Area RFI/CS Phase I Report* (RFI/CS Phase 1 Report; Roux 1999b; Appendix A-03). The RFI/CS Work Plan outlined a characterization method for selected dredge spoil areas along Choccolocco Creek. Six of the 19 dredge soil piles were selected for sampling and analysis and were viewed as being representative of the 19 locations. Composite samples were collected from each spoils pile for PCB and mercury analysis. PCBs were detected at concentrations ranging from 0.3 to 10.8 mg/kg, and mercury was detected at concentrations ranging from 0.65 to 3.9 mg/kg. Table 3-4 presents the PCB and mercury analytical data for the dredge spoil area soil samples, and Figures 3-3a and 3-3b summarize the PCB analytical results.

In September 2012, field reconnaissance activities were conducted to document the condition of each dredge spoil area along Choccolocco Creek. The findings of these reconnaissance activities were summarized in the *Dredge Spoil Evaluation Report, Snow Creek and Choccolocco Creek, Calhoun and Talladega Counties, Alabama* (Roux 2012; Appendix A-28). During the September 2012 reconnaissance activities, each dredge spoil area had a well-established vegetative cover, and no evidence of slumping, erosion, or other stability issues was observed in 18 of the 19 dredge spoil areas. One dredge spoil area (CC-26) was deliberately disturbed to create a drainage swale and was appropriately addressed by the Land Trust, which holds a conservation easement on the property.

All of the dredge spoil piles have well-established vegetative covers including a combination of grass, weeds, and trees. Ongoing monitoring and maintenance are not needed for these dredge spoil areas at this time. There was no evidence of slumping, erosion, or other stability problems with any of the dredge spoil piles during the 2012 reconnaissance with the exception of Area 26 (Appendix A-28). Since this time, the Land Trust has addressed this singular issue.

3.3 Infrastructure Improvement Support Projects

P/S have and continue to support infrastructure projects in the general area of the Site including a range of development and improvement projects. Several of these projects were conducted prior to the development of a more structured approach for supporting infrastructure and repair projects through a soil management program. The infrastructure support projects described below include the following:

- Lighting and drainage upgrades to the Oxford Lake Softball Complex
- Construction of a Miracle Field over an IM cover
- Treatment system upgrades at the CCWWTP

- Foundation improvements at a parcel owned by Prime Properties, LLC (Prime Properties; formerly referred to as the Borrelli property)
- Widening and bridge construction of I-20
- Parcel improvements for the former Holiday Inn property
- Parcel improvements for the City of Oxford to construct a maintenance garage

These projects are representative of anticipated future infrastructure support projects that will need to be addressed by the remedies presented in the OU-4 FS.

3.3.1 Oxford Lake Softball Complex Field Lighting and Drainage Upgrades

Between November 2010 and March 2011 and in the winters of 2011 and 2012, infrastructure support was provided in conjunction with field lighting and drainage upgrades at the Oxford Lake Softball Complex. The support activities were conducted under a planning document titled *Oxford Park Softball Complex Field Lighting and Drainage Upgrades* (Williams 2012; Appendix A-27).

The support activities included the following:

- Excavating cable trenches to depths of approximately 54 inches (for high-voltage lines) and approximately 30 inches (for lower-voltage lines).
- Lining the base of each trench with a geotextile fabric; A 4-inch layer of shotcrete was installed over the fabric in the deeper (54-inch) trenches. After the electrical conduit and wiring were installed, excavated soils with PCB concentrations less than 5 mg/kg were placed in the cable trenches and then covered with geotextile fabric and a minimum of 12 inches of vegetated soil.
- Augering holes for 16 new concrete light poles surrounding the ball fields (excavation depth approximately 11 feet).
- Expanding field dugout expansion activities.
- Excavating a trench for installing a French drain to improve drainage at the ball fields and adjacent areas.
- Grading soils in the area between the ball fields and around the press box/concession area to allow for installation of a new concrete cover to direct storm water runoff to the drainage system.

The lighting pole and cable trench locations and concrete covers located between the ballfields are shown on Figure 3-4. Soil management decisions for the lighting-related upgrades and the dugout expansion were made using the PCB results for the softball complex shown on Figure 3-2b. This figure also represents PCB concentrations for soils in the general area following implementation of these infrastructure improvements.

Soils generated during the lighting-related upgrades (light poles and trenches) totaled approximately 90 tons and were placed in 6 roll-off containers. Approximately 5 tons of soil were generated during the dugout expansion aspects of the project and were placed in a single roll-off container. The 6 roll-off containers from the lighting upgrade project were transported to

the Three Corners facility in January 2011 and February 2011, and the single roll-off container associated with the dugout expansion was transported to the Three Corners facility in April 2011. There were 140 tons of soil placed in 7 roll-off containers associated with the drainage aspects of the infrastructure support activities. These roll-off containers were transported to the Three Corners Regional Landfill in March 2012 for disposal as nonhazardous materials. These materials where characterized as having PCB concentrations less than 50 mg/kg based on samples collected directly from the roll-off containers. PCB concentrations for the soil in these 7 roll-off containers ranged from 3.9 to 14.4 mg/kg. The results are provided in Appendix A-27.

3.3.2 Miracle Field Upgrades

In 2012, the City of Oxford identified the Southwestern Park Area IM as the location for a Miracle Field to host a baseball league for physically and intellectually disabled individuals. The location of the Miracle Field was coincidental with the location of a previously implemented IM (1.8-acre cover) that is described in Section 3.2.1.4 and shown on Figure 3-1. Prior to constructing the new ball field (to occupy approximately 1.1 acres), between October 29, 2013, and April 30, 2014, P/S completed upgrades to the existing barrier system as described in the *Miracle Field Construction Completion Report* (Solutia 2014a; Appendix A-31).

Upgrades were required to address the portions of the barrier system that were installed around existing trees in the area. Approximately 28 trees were cut at their base, and the root balls were excavated. The root balls were characterized for disposal based on sampling results obtained prior to the construction of the initial cap in 2002 (ENVIRON 2014), and as such, the root balls were assumed to contain PCBs at concentrations greater than 50 mg/kg. The root balls were direct-loaded into roll-offs (approximately 83 tons) and disposed of at Chemical Waste Management's TSCA-approved landfill. The trees were disposed of by burning at the City of Oxford's controlled burn site.

Voids created during tree removal were filled with flowable fill concrete (approximately 44 total CY). The area was compacted as needed, and a woven geotextile fabric barrier (approximately 36,000 square feet) was placed over the existing cap. Imported clean fill (a total of approximately 4,400 CY of material placed at an average thickness of approximately 3 feet) was placed and compacted. Seven inches of dense grade aggregate was placed, graded, and compacted to achieve the required elevation.

Additionally, 42 linear feet of 30-inch drainage pipe was installed perpendicular to the east side of the Miracle Field to facilitate storm water drainage, and dense grade aggregate was placed to a thickness of approximately 7 inches in a 10-foot-wide walkway over the installed pipe. This newly installed walkway provides access from the Miracle Field to the existing parking lot located on the east side of the field.

3.3.3 Choccolocco Creek Wastewater Treatment Plant

The CCWWTP, located on Friendship Road within the incorporated limits of Oxford, Calhoun County, Alabama, is owned and operated by the Anniston Water Works and Sewer Board (AWWSB). Between 2002 and 2006, infrastructure support projects were implemented to address PCBs in soil at the CCWWTP (Figure 3-1). The infrastructure support projects at the CCWWTP were conducted as part of two phases of expansion by the AWWSB to increase the capacity of the plant. The projects were implemented in accordance with the planning documents prepared by URS Corporation ([URS] 2001a; Appendix E of Appendix A-23).

Soil characterization sampling to support construction activities was conducted in accordance with the *Soil Sampling Work Plan, the Anniston Wastewater Treatment Plant* (URS 2001b; Appendix B of Appendix A-23), which was approved by ADEM on April 11, 2001 (Appendix C of Appendix A-23). Results of the characterization sampling were included in the *Soil Investigation Report, the Anniston Wastewater Treatment Plant* (URS 2001c; Appendix D of Appendix A-23). Additional details associated with these activities are presented in *the Phase I/Phase II Construction Interim Remedial Measures Report, Choccolocco Creek Wastewater Treatment Plant Expansion* (Roux 2008; Appendix A-23).

Phase 1 activities were conducted between February 2002 and October 2003. During the Phase 1 activities, soils were excavated from the headworks building and ancillary structures area, the peak flow pump station area, and pipeline corridors. Phase 2 activities were conducted between April 2005 and August 2006. During the Phase 2 activities, soils were excavated during construction of the deep bed filter units and storm water drainage features, during installation of process piping and electrical conduit, and during construction of a bridge across Snow Creek that connects the treatment plant with the final corrective measure area east of Snow Creek (Section 3.4.2).

After excavation was completed, a nonwoven geotextile and a layer of clean soil or gravel were placed on each area, and disturbed soil areas were seeded. Soils containing PCB concentrations between 1 mg/kg and 50 mg/kg that were left in place were covered with a geotextile marker layer and backfilled with clean soil or gravel.

Excavated soils with PCB concentrations greater than or equal to 50 mg/kg were transported to Chemical Waste Management's TSCA-approved facility for disposal. When the construction schedule allowed, excavated soils with PCB concentrations between 1 and 50 mg/kg were used as backfill or temporarily stockpiled and subsequently consolidated in the final corrective measure containment area on the east side of Snow Creek (Section 3.4.2). When the construction schedule did not allow for consolidation in the final corrective measure containment area, excavated soils with PCB concentrations between 1 and 50 mg/kg were transported to the Three Corners Regional Landfill for disposal.

The Figure 3-5 series shows the overall area of the CCWWTP, the extent of the barriers installed across the property, the area and depth of prior excavation activities, the location of soil samples collected prior to the installation of the barriers, and PCB results associated with these soil samples. Table 3-5 provides a summary of PCB analytical data for the soil samples referenced on Figure 3-5 series.

In 2018, AWWSB approved the design for the construction of a new dewatering facility and appurtenances at the CCWWTP (*Choccolocco Creek Waste Water Treatment Plant Proposed Dewatering Facility Construction Support*; Solutia 2018b; Appendix A-34). In support of the design process and prior to the bidding of the project, sampling was conducted to evaluate the presence of PCBs in areas where intrusive activities are slated to occur. The soil sampling results are presented in Appendix A-34 and indicate that the highest PCB concentration in the areas of planned intrusive construction activities is 11 mg/kg; none of the field-screened samples indicate PCB concentrations above 50 mg/kg. The CCWWTP upgrade project has yet to be constructed, and the plan going forward is to preferentially use excess soil generated during construction as backfill; P/S will dispose of any excess materials generated at Three Corners Regional Landfill.

A total of 67 primary samples (not duplicates) were collected for laboratory analysis from the CCWWTP area as part of infrastructure support efforts that reflect in-place conditions. There are soil samples that were collected to support previously constructed infrastructure support projects at the CCWWTP that are not presented in the Figure 3-5 series as the soils were removed during the implementation of these projects.

3.3.4 Prime Properties Foundation Preparation

Between August and September 2001, infrastructure support activities were completed in anticipation of development of the property identified in the Calhoun County tax records as 0 Recreation Drive, Oxford, Alabama (PPIN 16744). The property is located north of Recreation Drive and west of Snow Creek (Figures 3-1 and 3-5) and is referred to as the Prime property in this OU-4 RI based on the name of the prior owner (Prime Properties). This parcel has also been referred to in prior project documents as the Borrelli Property.

Infrastructure support activities have been implemented at the property to reduce potential exposure to and migration of PCB-containing soils in anticipation of construction activities. The support activities included limited tree clearing, placement of a geotextile marker layer, and installation of 12 inches of soil to isolate PCB-containing soils over a 1.75-acre area along the western portion of the property. The property contains an east-west trending drainage ditch that discharges into Snow Creek. A large-diameter concrete culvert was installed in the drainage ditch near the western property limit to allow access to the northern portion of the property during construction and to help control and manage storm water at the property.

Figure 3-6 shows the extent of the improvements at the Prime property and summarizes PCB results for soil samples collected prior to the placement of additional soil. A total of 11 primary samples (not duplicates) were collected from 7 locations for laboratory analysis from the Prime property area as part of infrastructure support efforts. PCBs were detected in each of these samples, and concentrations ranged from 29 to 450 mg/kg and had an average PCB concentration of 172 mg/kg. Additional information for the property is provided in the memos entitled *Soil Sampling Results, Borrelli Property* (Genesis 2001a; Appendix A-09) and *Borrelli Property Cover Material Soil Sampling Event* (Genesis 2001b; Appendix A-10). The property currently is owned by the Land Trust who acquired the property to protect the riparian zone that borders Snow Creek. There are permanent land use restrictions for this property through the Land Trust that restrict the property from future development and ensure that the vegetated buffer bordering Snow Creek remains in place.

3.3.5 Interstate 20 (I-20)

Alabama Department of Transportation (ALDOT) completed the expansion of the I-20 bridge system over Snow Creek in conjunction with its ongoing six-lane highway expansion and upgrade program (ALDOT Project No. IM-STPAAF-BRF-I020(333) & ST-008-021-004). As part of the bridge expansion and upgrades, infrastructure support activities were implemented between November 2010 and March 2013 to address PCB-containing soils prior to the I-20 expansion activities being conducted by ALDOT's selected contractor(s).

The I-20 project area comprises approximately 7.3 acres within the ALDOT right-of-way in Oxford, Alabama. A hotel and Oxford Lake Park are located to the north of the I-20 project area, and the CCWWTP is located to the south (Figure 3-1). Bridges along I-20 cross Snow Creek in the central portion of the project area. Details associated with the infrastructure support activities

for I-20 are presented in the *I-20 Snow Creek Bridge Expansion Support Work Plan* and addenda (Solutia 2010 and USEPA 2010, Appendix B of Appendix A-32; and Solutia 2011 and USEPA 2011, Appendix C of Appendix A-32) and the contract documents for the construction support activities (Roux 2010; Appendix D of Appendix A-32). A final completion report titled *Interstate 20 (I-20) Bridge System Over Snow Creek Remedial Completion Report, Construction Support for ALDOT Expansion of the I-20 Bridge System Over Snow Creek* (Roux 2014; Appendix A-32) was prepared and submitted to USEPA on October 7, 2014.

ALDOT requested the following support from P/S during highway expansion activities (Appendix A-32):

- Support pre-construction geotechnical studies conducted in the project area (including cleaning drilling equipment and managing investigation-derived waste).
- Construct a 1-foot soil barrier under the bridges to provide a working surface for ALDOT contractors.
- Sample and characterize soil and sediment in areas of ALDOT intrusive work.
- Dispose of or relocate under isolation barriers (i.e., marker layer and backfill) soils and sediments with PCB concentrations above 1 mg/kg within ALDOT intrusive work areas.
- Sample soil and sediment outside the limits of the soil barrier and within the construction limits of the project where ALDOT or its contractors required access.
- Provide a 1-foot soil barrier over areas with PCB concentrations above 1 mg/kg and less than 50 mg/kg, where ALDOT or its contractors required access.

The highway expansion activities were conducted in three phases. Phase 1 was implemented between November 2010 and October 2011 and focused on the central bridge area and the soil embankment and floodplain areas on both sides of the highway. Phase 2 was implemented between June 2012 and August 2012 and focused on the eastbound lane bridge abutments. Phase 3 was implemented between November 2013 and January 2014 and focused on the westbound lane bridge abutments.

Figure 3-7a shows the overall I-20 project area and the locations of soil samples collected prior to installation of geotextile layers, clean fill materials, and a vegetation or riprap armor stone layer. The different configurations of geotextile layers, clean fill materials, and vegetation or riprap armor stone are shown and described on Figure 3-7b. Table 3-6 provides a summary of PCB immunoassay and laboratory analytical results. Laboratory results are reported for 15 primary samples (not duplicates) collected from 15 locations as part of these infrastructure support efforts. PCBs were detected in each of these samples, and concentrations ranged from 0.19 to 44 mg/kg and had an average PCB concentration of 15 mg/kg.

An isolation barrier was installed over approximately 7.2 acres of project area including the area under the bridge, the bridge abutments, soil embankments, and the surrounding area of the floodplain. The key activities conducted with the I-20 infrastructure support activities are summarized below (Appendix A-32):

- Bridge Area: Infrastructure support activities in the bridge area included excavating along new bridge bent lines and around the existing bridge bents, regrading the northeast ditch, installing drainage and marker layer geotextiles, and placing a soil layer. The barrier consisted of a geotextile marker layer, 1 foot of clean, compacted soil, a nonwoven geotextile layer, and 6 inches of aggregate around the bridge area. A drainage geotextile and 1 foot of riprap were installed in the Northeast Ditch.
- Bridge Abutment Areas: Infrastructure support activities in the bridge abutment areas included excavating around the western bridge abutment and installing a barrier consisting of a geotextile marker and 1 foot of clean fill. The area of the western abutment slope was additionally overlain with a nonwoven geotextile and riprap. No infrastructure support activities were required for the eastern abutment because soil sampling indicated that PCB concentrations were less than 1 mg/kg in that area.
- Soil Embankments: Infrastructure support activities in the soil embankment areas included clearing and grubbing, stripping topsoil, and regrading the areas (e.g., benching, excavating, or filling to reach ALDOT's required final grades). The barrier consisted of a geotextile marker layer, 12 inches (minimum) of clean imported fill, and seeding. The southern soil embankment area required significant additional fill and compaction in accordance with ALDOT specifications to provide an appropriate subgrade for the lane extension on the south side of the highway.
- Floodplain Area: Infrastructure support activities in the floodplain area generally included clearing and grubbing as well as installing a barrier. The barrier consisted of a geotextile marker layer, 12 inches (minimum) of clean imported fill, and seeding. A portion of the Northwest Quadrant also received an additional geotextile and a 6-inch layer of aggregate to minimize erosion.

Throughout the project, soils with PCBs were managed as follows (Appendix A-32). Soil sampling results are provided in Appendix L of Appendix A-32:

- Excavated soils with PCB concentrations less than 1 mg/kg were used as backfill within the project area.
- During Phase 1, approximately 2,205 tons of soils with PCB concentrations between 1 and 50 mg/kg were relocated onto a geotextile marker layer in the northwestern floodplain area (within the ALDOT right-of-way). A geotextile marker was also placed on top of the relocated soils. The barrier consisted of a geotextile marker layer and 12 inches of vegetated soil or aggregate.
- In Phases 1, 2, and 3, approximately 450 tons of soils with PCB concentrations between 1 and 50 mg/kg were transported off-site for disposal at the Three Corners Regional Landfill.
- In Phases 1, 2, and 3, approximately 2,714 tons of soils with PCB concentrations above 50 mg/kg were transported off-site for disposal at Chemical Waste Management's TSCA-approved facility.

In conjunction with the I-20 expansion project, P/S elected to install two new casings beneath the highway east of Snow Creek to provide alternate routing for an existing uncased sewer line and a

proposed future water line. Trenchless construction methods (i.e., jack and bore) were used for the utility casing installation to avoid penetrating the newly installed stone and soil barriers described above. Field screening and soil sampling were conducted to characterize soils generated during utility casing installation. Results of soil sampling are provided in Appendix A-25.

Additional details associated with the utility casing installation work are presented in the *Utility Casing Installation Remedial Measures Completion Report Construction Support for ALDOT Expansion Of the I-20 Bridge System Over Snow Creek* (Roux 2011; Appendix A-26). Prior to backfilling the jacking and receiving pits, the bottoms and sidewalls of the pits were lined with a nonwoven geotextile marker layer (Appendix A-26). Approximately 60 CY of bore/auger spoils with PCB concentrations less than 1 mg/kg along with approximately 300 CY of additional fill were used to backfill the pits (Appendix A-26). Approximately 70 tons of soils (generated during the casing installation) with PCB concentrations between 1 and 50 mg/kg were placed in roll-off containers and subsequently transported for off-site disposal at the Three Corners Regional Landfill (Appendix A-26). Approximately 640 tons of soils with PCB concentrations above 50 mg/kg were generated and transported for off-site disposal at Chemical Waste Management's TSCA-approved facility (Appendix A-26).

3.3.6 Former Holiday Inn Redevelopment Support

In 2013, an approximately 9.2-acre parcel in Oxford, Alabama, known as the Former Holiday Inn Property (PPINs: 87703 through 87706 and 65775), was acquired by Holmes Property, LLC (Holmes) for redevelopment for retail use. The redevelopment activities consisted of demolishing former structures at the property and constructing new retail pads, roadways, and utilities. A portion of the proposed redevelopment was located within the limits of the 100-year floodplain along Snow Creek. The construction activities planned for the portion of the property within the 100-year floodplain included constructing a retail pad, a roadway turnaround, and utilities (i.e., sanitary sewer, storm sewer, water, and fiber optic).

Prior to beginning redevelopment, P/S met with Holmes to review the proposed construction activities and discuss soil handling procedures. P/S subsequently prepared the *Former Holiday Inn Property Redevelopment Proposed Sampling Plan* (Solutia 2013a; Appendix B of Appendix A-29) to evaluate the PCB concentrations in soils anticipated to be encountered in the areas proposed for construction. The sampling plan was submitted to USEPA on March 29, 2013. USEPA approved the sampling plan on April 9, 2013.

In April 2013, P/S conducted soil sampling within the 100-year floodplain at the Former Holiday Inn Property in accordance with the approved sampling plan. The soil sampling results (Genesis 2013a; Attachment A to Appendix A of Appendix A-29) indicated that PCBs were detected in soil samples collected from the proposed roadway turnaround as well as in certain locations along the proposed storm sewer conveyance lines and proposed fiber optic line. PCBs were not detected at concentrations above 1 mg/kg in soil samples collected from the proposed footprint of the retail pad within the 100-year floodplain.

Based on the soil sampling results and subsequent meetings with the property developer, P/S developed the *Former Holiday Inn Redevelopment Support Work Plan* (Solutia 2013b; Appendix A of Appendix A-29) to describe the procedures for addressing PCB-containing soils encountered during the redevelopment project construction. USEPA approved the

Redevelopment Support Work Plan on August 16, 2013, after discussions between P/S and USEPA regarding the scope of the proposed support and soil handling/disposal activities. Additional details related to the Former Holiday Inn Property redevelopment support work are presented in the *Former Holiday Inn Redevelopment Project Completion Report* (Solutia 2013c; Appendix A-29) that was submitted to USEPA on November 20, 2013.

Between August 26 and September 18, 2013, Holmes conducted intrusive work within the 100-year floodplain area. The following activities were conducted to handle the PCB-containing soils identified at the property:

- Soil was excavated along the alignment of the storm sewer piping (where design grade was below existing grade) to achieve the required design elevations and slopes; a nonwoven geotextile marker layer was installed along the excavated storm sewer pipeline where PCB concentrations were greater than 1 mg/kg. Clean fill was placed in the excavated area to meet the required elevations.
- Where excavation was not needed to meet required elevations along portions of the storm sewer pipeline, a nonwoven geotextile marker layer was installed directly on the existing ground surface, and storm sewer piping and stone/gravel were placed above the geotextile fabric.
- Soil was excavated from a portion of the roadway turnaround area, a geotextile marker layer was installed, and fill materials were placed and compacted to provide a suitable construction base for the roadway.
- Soil was excavated from two jacking and receiving pits constructed to support relocation of an existing fiber optic line; a geotextile marker layer was installed in the southern pit, and clean backfill material was used to fill the pits after the horizontal boring was complete.
- Soil was excavated from the base of the temporary staging pad and the temporary decontamination pad at the end of the project. Soil excavated from these areas was conservatively assumed to contain PCBs at concentrations greater than 50 mg/kg.
- Approximately 40 tons of excavated soils with PCB concentrations greater than or equal to 50 mg/kg (or with concentrations assumed greater than 50 mg/kg) were placed directly into roll-off containers for off-site disposal at Chemical Waste Management's TSCA-approved facility.
- Approximately 530 tons of excavated soils containing PCBs at concentrations between 1 and 50 mg/kg were collected and placed in a temporary staging pad before being transported for off-site disposal at the Three Corners Regional Landfill.

As part of the site development activities, retail structures and asphalt or concrete pavements were subsequently constructed at the properties.

Figure 3-8 shows the overall area of the Former Holiday Inn Property, the approximate extents of soil excavation areas, the extent of storm sewer piping, and the barrier placed above existing soils. Figure 3-8 also shows the locations and results for soil samples collected as part of the redevelopment support project where excavation was not conducted. Table 3-7 provides a summary of PCB data for the soil samples referenced on Figure 3-8. A total of 21 samples from

19 locations were evaluated for PCBs using a combination of immunoassay screening and analytical chemistry approaches. Of the 4 samples that were evaluated with an analytical chemistry method, 3 results were nondetect and 1 sample had a PCB concentration of 22.1 mg/kg.

3.3.7 Parcel Improvements for the City of Oxford's Maintenance Garage

Between March 21 and April 27, 2017, infrastructure support was implemented to address PCBs in soil at a maintenance garage to be constructed on Recreation Drive, proximate to Snow Creek in Oxford, Calhoun County, Alabama. The maintenance garage property is owned and operated by the City of Oxford. *The Maintenance Building Construction Project Support Work Plan* was submitted to USEPA on March 10, 2017, and was approved on March 16, 2017 (included as Appendix A of Appendix A-33). The infrastructure support activities were implemented in accordance with the *Maintenance Building Project Construction Completion Report* (Solutia 2017; Appendix A-33).

Construction of the maintenance garage included a building, its appurtenances, and utility connections. The infrastructure support scope of work included excavating and managing PCB-containing soils located within the footprint of planned utility connections, placing a geotextile marker layer and clean fill in excavated areas, and disposing of excavated soils. The soils were characterized for disposal based on sampling results obtained during the earlier characterization of the area (*Preliminary Site Characterization Summary Report for Operable Unit 4 Of the Anniston PCB Site* [ENVIRON 2014]), and the soils were assumed to contain PCBs at concentrations greater than 50 mg/kg. Approximately 150 tons of excavated soils were disposed of at the at Chemical Waste Management's TSCA-approved landfill.

The general location of the maintenance garage project is shown on Figure 3-1, and additional details for this infrastructure support project are shown on Figure 3-9. This includes the overall footprint for fill materials that were placed by the City of Oxford prior to constructing the building and surrounding parking lot area. These fill materials ranged in thickness from approximately 1 to 2 feet near Recreation Drive to several feet at the northern end of the construction footprint. PCB laboratory and immunoassay results for samples beneath this construction footprint are shown on Figure 3-9 and include the highest PCB concentration at each location. A total of 15 laboratory results for PCBs from 12 locations are available for the footprint area beneath the constructed maintenance garage facility. PCBs were detected in 67% of these samples, and the concentrations ranged from nondetect to 59 mg/kg with an average PCB concentration of 15 mg/kg. Additional details for samples collected at the locations shown on Figure 3-9 are provided in Appendix A-33. PCB results for samples collected at the base of utility connection trenches that were located outside of the construction footprint 35 are also shown on Figure 3-9.

3.4 Final Corrective Measures

Final corrective measures completed at the Highway 21 Bridge and the CCWWTP excavated soil stockpile were conducted in association with the Facility's RCRA Post-Closure Permit. Final closure reports, ongoing monitoring reports, and maintenance are conducted through ADEM and the RCRA process (Figures 3-1, 3-10, and 3-11). Summaries for each of these final corrective measures are presented in the following subsections. Details and supporting information related

to the measures are provided in various documents included with this report as Appendix A and referenced below.

3.4.1 Highway 21 Bridge at Choccolocco Creek

PCB-containing soils were encountered in the area where Highway 21 crosses Choccolocco Creek, and the results are presented in the *Report of Soil Sampling and Analyses* (Law 1997; Appendix A-01). Final corrective measures were implemented to address PCB-containing soil prior to ALDOT construction of a bridge replacement at State Highway 21 and Choccolocco Creek, located in both Talladega and Calhoun Counties. The project was located within and adjacent to the 100-year floodplain of Choccolocco Creek. This area was identified as "Area of Concern B" in the Facility's RCRA permit (EPA ID/Permit No. ALD004019048). ALDOT and P/S worked together to implement the final corrective measure to address PCB-containing soil during construction of new primary and relief bridges over Choccolocco Creek and a feeder creek, respectively; construction of associated approach roadways; replacement of the existing bridges; and installation of a new utility corridor. Figure 3-10 shows the extent of covers installed as part of the Highway 21 corrective measures.

As part of the overall planning and design process, three field investigations were conducted in the State Highway 21 area adjacent to Choccolocco Creek, and the results are presented in the *RFI Results and Interim Measures Plan* (URS 2000; Appendix A-05). Sampling was concentrated in areas of anticipated excavation activities. PCB-containing soils were generally encountered at depths ranging from 0 to 4 feet, although impacted depths extended to 6 feet in isolated areas.

P/S evaluated two alternatives as part of a corrective measure study as reported in the *Corrective Measures Study for Highway 21 Bridge at Choccolocco Creek* (Solutia 2000; Appendix A-04). P/S, with ADEM approval, selected an alternative that included on-site containment and isolation (by capping) of soils with PCB concentrations between 1 and 50 mg/kg and excavation and off-site disposal of soils with PCB concentrations greater than or equal to 50 mg/kg.

The construction at State Highway 21 was completed in two phases. The *Phase I Completion Report, Corrective Measures Implementation* (Solutia 2004c; Appendix A-21) was submitted to ADEM in accordance with the Facility's RCRA Post-Closure Permit and describes the completion of the Phase 1 corrective measure activities. The *Phase II/Final Completion Report, Corrective Measures Implementation* (Solutia 2008; Appendix A-24) was submitted to ADEM in accordance with the Facility's RCRA Post-Closure Permit and describes the completion of the Phase 2 corrective measure activities.

Phase 1 work included constructing new bridges, approach roadways, and utility corridors. As described above, sampling and analyses were conducted prior to construction in the proposed excavation footprints to characterize PCB concentrations by depth. Phase 1 excavations were conducted between October 6 and November 17, 2003. Approximately 6,300 CY of soil with PCB concentrations less than 50 mg/kg were placed in the road embankment areas for consolidation and capping, and approximately 150 CY of soil with PCB concentrations greater than or equal to 50 mg/kg were transported to Chemical Waste Management's TSCA-approved landfill for disposal. Following the excavation activities, a geotextile marker layer was placed in the excavations and over the remaining surface areas in the overall footprint of the Phase 1 project. The excavated areas were backfilled to design grade with imported clean fill, and, except

for creek banks and the north drainage ditch which were covered with riprap, the remainder of the work area was covered with 1 foot of soil to isolate PCB-containing material in the subgrade. The final marker layer and 1 foot of clean cover extended over a 7.18-acre area.

Phase 1 was initially intended to include the utility corridor for both gas and water lines. This was later modified so that the utility corridor included a water line only. This allowed construction of the corridor to be 6 feet deep and 6 feet wide with additional side slopes in most areas. The final utility trench locations and the PCB results for 65 soil samples collected from the horizon below where the water line was installed are shown on Figure 3-10. PCBs were detected in 42% of these samples and ranged in concentration from nondetect to 4.1 mg/kg and had an average PCB concentration of 0.27 mg/kg. Although the original design was to extend the water line below Choccolocco Creek, this approach was modified during finalization of the design, and the water line was constructed above Choccolocco Creek with an overhead connection.

Phase 2 of the corrective measures consisted of replacing the existing bridges and was completed between August 28 and October 29, 2005. Additional soil characterization was completed in the Phase 2 construction area to identify and/or delineate the extent of PCBs in the subsurface soil. All soils removed during the Phase 2 excavation had PCB concentrations less than 50 mg/kg. Excavation and general site grading for Phase 2 began on September 27, 2005. Excavated and graded materials were placed in the embankment areas followed by import and placement of approximately 3,250 CY of clean fill material to achieve final design elevations. Placed materials were compacted, covered with a geotextile marker and a 1-foot-thick clean soil cover over 2.2 acres, and seeded.

Upon completion of the final corrective measures for the State Highway 21 project, a deed notice and associated survey plats, providing for the long-term monitoring and maintenance of the controls, were filed with Calhoun and Talladega Counties as required by the RCRA Permit (Solutia 2008; Appendix A-24). P/S continue to evaluate the effectiveness of the final corrective measure annually as required by the RCRA permit. This evaluation of effectiveness includes annual contact with ALDOT to review planned road maintenance, utility crossings, or other construction activities that may have the potential to disturb or degrade the installed covers or the soils beneath the covers. Corrective measures effectiveness reports are submitted annually to ADEM to document continued monitoring and maintenance.

3.4.2 Choccolocco Creek Wastewater Treatment Plant - Excavated Soil Pile

P/S implemented a final corrective measure to address a soil stockpile with PCBs located at the CCWWTP in Oxford, Calhoun County, Alabama. The stockpile contained soils excavated from the floodplain of Snow Creek during the construction of detention basins at the CCWWTP. The stockpile was relocated in a final corrective measure to a 16-acre parcel located to the east of Snow Creek. The area is bordered to the north by I-20, to the east by a wooded lot, to the west by Snow Creek, and to the south by undeveloped land and Choccolocco Creek. Figure 3-11 shows the extents and details of the final corrective measure.

The final corrective measure proposed in the *Corrective Measures Study for Excavated Soil Stockpile at CCWWTP, Oxford, Alabama* (Solutia 2002a; Appendix A-12) and further detailed in the *Corrective Measures Implementation Work Plan, Excavated Soil Stockpile at Choccolocco Creek Wastewater Treatment Plant, Anniston, Alabama* (Solutia 2003b; Appendix A-17) was accepted by ADEM in August 2002 as documented in Appendix A-13 (ADEM 2002b). This

includes USEPA's approval to place a cap over materials with PCB concentrations greater than or equal to 50 mg/kg, as was provided in February 2004 under Section 6(e) of TSCA and the PCB regulations provided in 40 CFR Section 761.61(c) (USEPA 2004b; Appendix A-19). The approval specifically noted that the PCB concentrations ranged from nondetect to approximately 200 mg/kg but averaged less than 50 mg/kg.

Construction for the final corrective measure began on April 24, 2006, and was completed by March 27, 2007. The *Final Corrective Measures Implementation Report, Excavated Soil Stockpile at Choccolocco Creek Wastewater Treatment Plant* (Roux 2007; Appendix A-22) reports that 44,000 CY of PCB-containing soils were consolidated beneath the final cover. This material consisted of approximately 39,000 CY from the original stockpiled material investigated as part of the corrective measures study and an additional 5,000 CY of soil with PCB concentrations between 1 and 50 mg/kg generated during expansion activities for the CCWWTP on the west side of Snow Creek. P/S submitted the *Final Corrective Measures Implementation Repor*t (Roux 2007; Appendix A-22) to ADEM in accordance with the Facility's RCRA Post-Closure Permit.

Upon completion of the final corrective measure, a deed restriction was filed outlining the site conditions, appropriate site restrictions, and an as-built survey that indicates the location of the cover system with respect to survey benchmarks. Long-term monitoring is conducted in accordance with the *Comprehensive Operations and Maintenance Plan for Remedial/Corrective Action Projects* (Solutia 2014b; Appendix A-30). The monitoring consists of inspecting the final corrective measure (monthly and following significant storm events) with maintenance conducted as needed based on the findings of the inspections. Annual effectiveness reports are submitted to ADEM summarizing inspection and maintenance activities and documenting the effectiveness of the final corrective measure.

4. OU-4 INVESTIGATIONS

This section describes various investigations that have been conducted for OU-4, including sampling and analysis of floodplain soils, sediment, surface water, groundwater, and biota; ecological studies, including a habitat survey; and a fish consumption survey. The following subsections include the general objectives for the various sampling programs implemented by P/S, USEPA, and others, as well as specific investigation activities. Results from these studies are included in referenced tables and figures and are discussed briefly. Sample location maps by program are provided along with tables presenting the data. The data presented in this OU-4 RI for environmental media are included electronically in Appendix B.

The data for OU-4 were largely collected during investigations conducted under the RCRA and CERCLA programs under the work plans listed below. The majority of these data were collected on behalf of P/S; however, a small percentage (less than 5%) of the overall data were collected by other parties, including USEPA and ADEM. These data are also included in this OU-4 RI and are summarized in the Section 4 tables by source. USEPA used a majority of these data in preparing the OU-4 HHRA. While some additional data for OU-4 have become available since the OU-4 HHRA was prepared, the newly available data do not change the nature and extent of contamination for OU-4 including PCBs or other constituents.

- RCRA Program
  - *Supplemental RCRA Facility Investigation Work Plan for the Off-Site Portion of the RFI/CS Program* (Supplemental Off-Site RFI Work Plan; BBL 1999a)
  - *Phase II Off-Site (Floodplain) RFI/CS Investigation Work Plan* (Phase 2 RFI/CS; BBL 2000b)
  - *Supplemental Quality Assurance/Sampling and Analysis Project Plan for the Off-Site Portion of the RFI/CS Program* (BBL 1999b)

- CERCLA Program
  - *Remedial Investigation/Feasibility Study Work Plan for the Anniston PCB Site – Revision 2* (RI/FS Work Plan; BBL 2004a)
  - *Phase 1 Field Sampling Plan for Operable Unit 4 of the Anniston PCB Site, Revision 3* (OU-4 Phase 1 FSP; BBL 2006a)
  - *Anniston PCB Site Phase 2 Field Sampling Plan for Operable Unit 4 Revision 2* (OU-4 Phase 2 FSP; Arcadis 2010c)
  - OU-4 Phase 3 FSP and addenda (Arcadis 2010b, Arcadis 2011a,b)
  - *Site-Wide Quality Assurance Project Plan for the Anniston PCB Site. Revision 5. Anniston PCB Site, Anniston, Alabama* (Site-Wide QAPP; Arcadis 2008b)

The key elements of the sampling programs are discussed below by media (soil, sediment, surface water, biota, and groundwater).

4.1 Floodplain Soil Investigations

Floodplain soil data were collected in a series of sampling events under the RCRA and CERCLA programs. The first soil samples were collected as a part of the RCRA program and included samples collected from the top of the creek banks immediately adjacent to Choccolocco Creek. This initial sampling program was followed by soil sampling in the broader floodplain surrounding Choccolocco Creek. This floodplain soil collection program used a series of transects placed orthogonally to creek flow along the Choccolocco Creek between its confluence with Snow and Cheaha Creeks. Under the more recent CERCLA program, the nature and extent of PCBs and other constituents in the Choccolocco Creek floodplain were evaluated in a phased sampling approach. This approach was designed to provide sufficient data to characterize exposure point concentrations (EPCs) for PCBs for human and ecological receptors using reasonable exposure assumptions and to define the nature and extent of contamination.

The floodplain soil sampling conducted under the CERCLA RI/FS program included 25 individual characterization areas (CA) that were configured to support the nature and extent of contamination evaluation and the risk assessments. Segmenting the 6,000-acre floodplain into small areas that reflected the surrounding geography, land use, and habitat provided EPCs that were representative of localized conditions. When USEPA conducted the OU-4 HHRA, they slightly reorganized the CAs and renamed them as exposure units (EUs). A geographic comparison of the CAs and EUs is provided on Figure 4-1 and shows the similarity between the realignment and renaming process conducted by USEPA. Floodplain sampling efforts under the CERCLA program also included delineating residential use areas and, where appropriate, sampling residential use areas (Section 3.1).

Floodplain soil sampling locations by program are shown on the Figure 4-2 series. PCB results for each location are color coded on the Figure 4-3 series. Individual sample results for PCBs are tabulated in Table 4-1. Summary statistics for other constituents are provided in Table 4-2. The 4-2 and 4-3 series figures summarize current conditions of exposed surface and subsurface soil in OU-4. As discussed in Section 3, data are also available for soils under covers in areas where interim, infrastructure support, or final measure projects have been taken. These data are plotted on the figures in Section 3 but are not included in the Section 4 (or 5) figures or in the statistical evaluations used to calculate area averages and upper confidence levels (UCLs). The data associated with the IMs will be used to evaluate the effectiveness of the IMs in the OU-4 FS. The data for these interim, infrastructure support, and final measure projects are being provided in this OU-4 RI for completeness.

4.1.1 RCRA Program

Floodplain soil sampling under the RCRA program was initially focused on collecting samples from the banks of Choccolocco Creek that had the highest potential for erosion. Based on those initial results, additional sampling in the broader floodplain along a series of transects was conducted to provide additional information on PCB concentrations as a function of distance from the creek bank and distance downstream from the Snow Creek confluence. The floodplain soil transect sampling conducted under the RCRA program was reported to USEPA in the 2003 *Data Summary Report for Operable Unit 4* (OU-4 DSR; BBL 2005a). The OU-4 DSR also reported the top-of-bank sampling results that were previously reported to ADEM in the Off-Site RFI Report (BBL 2000a).

4.1.1.1 Top-of-Bank Sampling

Samples were collected from locations along the top of the banks of Choccolocco Creek to assess the potential for PCB-containing soils to be eroded into the creek. These data were also useful in providing a preliminary understanding of the distribution of PCBs along the creek bank and as a basis for planning additional sampling programs (described below). Sampling locations were selected following a field reconnaissance; locations were chosen based on appearance as having the highest potential for erosion. Based on field observations of the bank conditions along the creek, 35 top-of-bank locations were sampled. Samples were collected from the 0–6-inch interval. Sample identification was by transect location and by right bank or left bank when facing upstream. Samples were analyzed for PCBs and total organic carbon (TOC).

The top-of-bank sample collection locations and PCB results are shown on the Figure 4-2 and 4-3 series, respectively, and the PCB results are tabulated in Table 4-1. Results from the top-of-bank sampling showed a pattern of higher PCB concentrations upstream and decreasing concentrations with distance downstream. The highest concentrations were upstream of the confluence with Coldwater Creek where concentrations ranged from nondetect to 21 mg/kg. Downstream of Coldwater Creek, the results from each top-of-bank sample were less than 5 mg/kg with one exception (9.4 mg/kg). For all sampling locations downstream of Cheaha Creek, the top-of-bank sample PCB concentrations were less than 1 mg/kg.

4.1.1.2 Nature and Extent Transect Sampling

As a follow-up based on the results from the top-of-bank sampling, a floodplain transect sampling program was conducted to provide additional information on characteristics in the floodplain. Sampling was designed to provide additional data on the concentrations and extent of PCBs in the floodplain, recognizing the basis of the CSM that the primary historical route of migration and deposition in the OU-4 floodplain was via surface water during out-of-bank flow conditions. Therefore, PCB concentrations were expected to decrease based on downstream and lateral distance. Also, the higher concentrations were expected to be found in the shallower depth intervals.

In July through December 2001, samples were collected along 11 transects in the Choccolocco Creek floodplain. Sampling locations were established along each transect from the creek banks and set at 300-foot intervals out to the lateral extent of the 100-year floodplain. Locations are designated by transect (FP##), north or south of Choccolocco Creek (N or S), and in numerical order (1, 2, 3, etc.). At locations next to the creek, samples were collected in 0–6, 6–12, and 12–24-inch intervals. At other locations farther from the creek banks, samples were collected from the 0–6-inch and 6–12-inch intervals. A total of 286 samples were collected from 125 locations. These samples were analyzed for PCBs, mercury, TOC, and grain size. PCB data are included in Table 4-1 and plotted on the Figure 4-3 series. Data for mercury and other analytes are summarized in Table 4-2.

The floodplain soil transect sampling results (10 transects; C-FP01 through C-FP10) were reported in the Phase I CSM (BBL 2003), and 1 additional transect (C-FP11) was requested by the property owner and reported in the OU-4 DSR (BBL 2005a).

From the 11 transects, a total of 273 primary samples were collected for PCBs (Aroclors) mercury, TOC, and grain size analyses. Additional samples were collected for quality control (QC) purposes. The primary samples were collected from the following depth intervals:

- 125 samples from 0 to 0.5 feet
- 123 samples from 0.5 to 1 foot
- 25 samples from 1 to 2 feet

By depth interval, the frequency of detection, range, and average, PCB and mercury concentrations are as follows:

PCBs

- Of the 125 samples collected from the 0–0.5-foot interval, 62 of the PCB results (50%) were nondetects. The PCB concentrations ranged from nondetect to 79 mg/kg with an average concentration of 2.9 mg/kg.
- Of the 123 samples collected from the 0.5–1-foot interval, 78 of the PCB results (63%) were nondetects. The PCB concentrations ranged from nondetect to 56 mg/kg with an average concentration of 2.8 mg/kg.
- Of the 25 samples collected from the 1–2-foot interval, 6 of the PCB results (24%) were nondetects. The PCB concentrations ranged from nondetect to 97 mg/kg with an average concentration of 6.6 mg/kg.

Mercury

- Of the 125 samples collected from the 0–0.5-foot interval, 1 of the mercury results was nondetect. The mercury concentrations ranged from nondetect to 13 mg/kg with an average concentration of 1.1 mg/kg.
- Of the 123 samples collected from the 0.5–1-foot interval, 5 of the mercury results were nondetects. The mercury concentrations ranged from nondetect to 12 mg/kg with an average concentration of 0.82 mg/kg.
- Of the 25 samples collected from the 1–2-foot interval, 1 of the mercury results was nondetect. The mercury concentrations ranged from nondetect to 25 mg/kg with an average concentration of 2.9 mg/kg.

4.1.2 CERCLA Program

Floodplain soil sampling under the CERCLA program was conducted in a phased approach to provide the data needed to complete the OU-4 RI, including defining the nature and extent of constituents in the OU, and providing data needed for the HHRA and BERA. The data collection programs were also designed to provide data needed to support developing and evaluating remedial alternatives as part of the OU-4 FS. Floodplain soil sampling was conducted in specific areas to augment the top-of-bank and transect data collected during the RCRA program and to provide sufficient data to characterize PCB concentrations using reasonable geographical exposure scenario EUs for the HHRA. Sampling was conducted using a three-phase approach, where Phase 1 primarily focused on characterizing the downstream reaches of the floodplain. Based on the Phase 1 results, a Phase 2 program was developed to define the nature and extent of contamination and provide a sufficiently robust dataset for the entire OU-4 footprint to support the risk assessments. Following review of the floodplain soil data collected, under the first two phases, limited Phase 3 investigations were conducted to address minor data gaps in the nature

and extent of contamination and to identify residential use areas for sampling and removal under the NTC Removal Action program. Floodplain soil data were also collected for a range of IM, infrastructure support, and final corrective measure projects described in Section 3. The results for these projects are presented in the Section 3 tables and figures.

The analytical chemistry program under CERCLA initially included the 11 metals and 17 organic compounds, including PCBs, that were identified as COPCs in Appendix F of the PCD. The analytical chemistry program was later expanded by USEPA to include a wider list of constituents in a letter to P/S dated March 13, 2003 (USEPA 2003b). The list of COPCs was subsequently clarified in a letter dated August 19, 2005, (USEPA 2005a) and included the following:

- Compounds identified on the USEPA's Toxic Compound List volatile and semivolatile organics (including polycyclic aromatic hydrocarbons [PAHs])
- Chlorinated and organophosphorus pesticides
- Target Analyte List (TAL) list for inorganics (23 metals and cyanide)
- PCB congeners (WHO list plus BZ#153)
- Homolog groups
- 2,3,7,8-substituted chlorinated dioxins and furans

The initial investigations for OU-4 were conducted under the OU-4 Phase 1 FSP (BBL 2006a) and included surface water sampling in the upstream portion of OU-4, sediment sampling in the Backwater area, and soil sampling in the downstream reaches of the OU-4 floodplain. The Phase 1 sampling results were used to develop the OU-4 Phase 2 FSP by using an ASM process designed to assess if analytes would be of concern for human or ecological receptors and thus carried forward in the CERCLA analytical chemistry program. The Phase 1 results were further evaluated to determine the prevalence of specific analytes or related groups of analytes to assess whether results appeared to be Site- or OU-wide or isolated occurrences. In considering prevalence and geographic distribution of COPCs, results were reviewed to determine if they appeared to be collocated with PCB concentrations or if they appeared to be from other possible sources. The list of Facility-related constituents (Appendix F of the PCD), available background data, and data from upstream of the Facility were used to evaluate whether constituents appeared to be Facility related. The COPC evaluation of the Phase 1 results is presented in the OU-4 Phase 2 FSP and concluded with the following recommendations for the analyses during subsequent phase of investigation:

- PCBs for all samples using methods appropriate for the anticipated concentrations (soil, sediment, and some biota using Aroclors; and surface water and other biota using homologs). Total PCB concentrations will be quantified on the basis of the sum of Aroclors or sum of homologs.
- 10% of all samples to be analyzed for Aroclors using PCB homolog groups, congeners, and PCDD/DFs.
- Mercury will be analyzed in soil, sediment, and biota samples.

- At 10% of the sampling locations, the list of 11 metals from the PCD will be analyzed.
- Sediment collected for the sediment toxicity testing will be analyzed for PCBs, acid volatile sulfide/simultaneously extracted metal (AVS/SEM), and TAL metals, alkylated PAHs, organochlorine pesticides, and PCDD/DFs.

Other constituents identified on the USEPA wider constituent list (VOCs, SVOCs other than PAHs, and organophosphorous pesticides) were not observed at frequencies or concentrations of concern and were not carried forward into the Phase 2 analytical program. The only exception was the analysis of PAHs as part of the sediment toxicity program as identified above.

The specific analytical chemistry methods for PCB Aroclors, TOC, and grain size were USEPA Method 8082, the Lloyd Kahn Method, and ASTM International (ASTM) D422 with hydrometer, respectively. Based on the Phase 1 results, all subsequent samples analyzed for PCBs were also analyzed for mercury (USEPA Method 7471B). Because of preservation and holding time concerns, the frozen archive samples were not analyzed for mercury. Samples analyzed for analytes other than PCBs and mercury were evaluated using the following methods:

- VOCs – USEPA Method 8260B
- SVOCs – USEPA Method 8270C
- Organochlorine pesticides – USEPA Method 8270C
- Organophosphorus pesticides – USEPA Method 8141A
- TAL inorganics – USEPA Methods 6010B/7471A/9012A (after Phase 1, the TAL list of inorganics was reduced to the 10 metals [in addition to mercury] listed as of potential concern in the PCD)
- PCB homolog groups and select congeners (WHO list and BZ No. 153) – USEPA Method 8270C and 8082
- PCDD/DF homolog groups and 2,3,7,8-substituted congeners – USEPA Method 8290

Samples chosen for most of the wider list of constituents were selected at random from the initial set of samples at a frequency of 1 in 10 samples (10%). That is, samples were selected at random, primarily from sample intervals within the upper 1 foot of soil. Samples for PCB congeners and homolog groups and for PCDD/DFs were selected to be representative of PCBs with Aroclor concentrations that ranged from 0.5 to 5 mg/kg. The thought process supporting this approach was that non-PCB constituents (including PCDD/DFs) would be most relevant to the risk assessments for those cases where the PCB concentrations were relatively low. As noted above, VOCs, SVOCs, (including PAHs), and pesticides were not carried forward into the analytical chemistry programs for the Phase 2 or Phase 3 investigations. Also, based on Phase 1 sample results, the full inorganic TAL list (23 metals and cyanide) was reduced to a shorter list of the 10 metals (other than mercury) that were identified in the PCD.

4.1.2.1 Nature and Extent Sampling

One of the primary goals for the nonresidential floodplain soil sampling and analyses conducted under the CERCLA program was defining the nature and extent of COPCs in OU-4. To

characterize soil concentrations, the OU-4 floodplain was divided into reasonable geographical CAs (Figure 4-1). The overall sample design process was driven by the need to define the nature and extent of PCBs and to calculate EPCs for risk assessment purposes. A subset of the samples collected was analyzed for other constituents to characterize the nature and extent of impacts in the floodplain. Sampling and analysis were done using a phased approach and delineated the lateral and vertical extent of PCBs to a concentration of 1 mg/kg or less.

The investigations for the OU-1/OU-2 and OU-4 portions of the Site were conducted in multiple phases. The initial phase of investigation included the complete list of Facility-related constituents identified in Section 1.2 and the additional constituents identified by USEPA as part of the data quality objective clarification process at a frequency of 10% (USEPA 2005a). These additional constituents added to the list of Facility-related constituents included PCDD/DFs; select PCB congeners, including 12 DL-PCBs and PCB-153; and total PCBs based on the sum of homolog groups. The results were evaluated using an ASM process and evaluation criteria that were designed to phase out the evaluation of constituents that were not frequently detected or were not risk drivers. The process culminated with a list of constituents that were evaluated in the OU-4 human health and ecological risk assessments that are presented in Sections 7 and 8, respectively. The collective list of these constituents is also discussed in the nature and extent of contamination (Section 5).

The constituents in OU-4 soils that were assessed in the nature and extent of contamination evaluation included PCBs, PCDD/DFs, toxic equivalent (TEQ) inclusive of DL-PCBs, chromium, lead, mercury, and vanadium.

The constituents in OU-4 sediment that were assessed in the nature and extent of contamination evaluation and used in the risk assessments included PCBs, PCDD/DFs including TEQ inclusive of DL-PCBs, barium, chromium, cobalt, mercury, and vanadium.

Development of Characterization Areas/Exposure Units

Because of the size of the floodplain area (approximately 6,000 acres), logical subdivisions called CAs were initially developed as part of the CERCLA sampling plan. USEPA made minor modifications to the CAs in preparing the OU-4 HHRA and in some cases, the CAs were further divided or aggregated together. The names or labels were also changed from CAs to EUs for use in the OU-4 HHRA (JMWA and Avatar Environmental 2013). The original CA delineation and the EUs used in the OU-4 HHRA are shown on Figure 4-1. Since the sampling design was originally set up on a CA basis, the data were reported in that manner. To provide transparency between the CA and EU designations, the data presented in Table 4-1 include the CA-based sample ID and the associated EU location. The CA designations and the sample numbering scheme were based on location. The original CAs in the floodplain were developed based on logical geographical changes in creek and floodplain characteristics and divided the OU into nine sections (C1 through C9, upstream to downstream). The main lateral split for the subdivisions into CAs is along the creek itself (i.e., the north [N] and south [S] sides of the creek). In Table 4-1, the sample location identifiers include a designation of F (far) when the location was more than 500 feet from the creek bank (e.g., NF for north far and SF for south far). Where the 100-year floodplain is within 500 feet of the creek, no additional sample designation is used. A brief overview of each CA is provided below, moving from upstream to downstream.

- **C1** includes the area of the Snow Creek floodplain downstream of Highway 78 to I-20. The overall C1 area is approximately 71 acres and includes C1-EU1, located east

of Snow Creek, and C1-EU2, located west of Snow Creek. Several IMs and infrastructure support projects were conducted in portions of C1-EU1, and sampling conducted for these IM/infrastructure support efforts was conducted outside the floodplain soil sampling conducted under the CERCLA program. The IMs are described in Section 3.2.1, and the infrastructure support projects are described in Sections 3.3.1, 3.3.2, and 3.3.7.

- **C2** includes the Choccolocco Creek backwater area north of the main Choccolocco Creek Channel (the southern branch) from approximately 1 mile upstream of the Snow Creek confluence downstream to Friendship Road.
  - **C2N:** Most of this approximately 159-acre area is forested, although a portion of the CCWWTP and adjacent soil piles that were remediated through a cap and cover system in 2006 (Roux 2007) are also included in this CA. This area was further divided into C2N-EU1 north of the northern Choccolocco Creek backwater branch and C2N-EU2 for the central area between the two branches of Choccolocco Creek in the backwater area.
  - **C2S:** This is a 76-acre area that is predominantly forested; however, it abuts some residential lots to the south and includes a portion of agricultural land on the west side of Friendship Road (this area is connected via culvert to the east side of the road).

- **C3** includes the area from Friendship Road downstream to mile marker 33.5, where there is constriction in the overall floodplain width.
  - **C3N:** This 172-acre area is on the north side of Choccolocco Creek. The land in this CA is a mixture of agricultural and forested. This area was further divided into the larger upstream C3N-EU1 and the smaller downstream piece C3N-EU2.
  - **C3S:** This 257-acre area is on the south side of Choccolocco Creek. Land use in this CA is predominantly agricultural with some residential and forest and scrub land. This area was divided into the upstream wider floodplain (C3S-EU1) and the downstream strip of floodplain along the creek (C3S-EU2).

- **C4** includes the area from mile marker 33.5—where there is a constriction in the overall floodplain width—to just downstream of the Coldwater Creek confluence where the floodplain influences of Coldwater Creek ends (as evidenced by the constriction of the floodplain).
  - **C4N:** This 709-acre area lies on the north side of Choccolocco Creek. Land use in this CA includes a portion of the airport. The remaining area is mainly scrub land changing to mainly forest heading downstream. The area was further divided to upstream, including the portion of the airport (C4N-EU1), and downstream (C4N-EU2).
  - **C4S:** This 608-acre area is on the south side of Choccolocco Creek. Land in this CA is mainly agricultural with a mixture of scrub land, agriculture, and forest. This area was further subdivided into upper, middle, and lower EUs (C4S-EU1, C4S-EU2, and C4S-EU3).

- **C5** includes the area from just upstream of the Coldwater Creek confluence, where the floodplain influence of Coldwater Creek ends, to mile marker 23.5 where a small tributary enters Choccolocco Creek and the width of the floodplain lessens dramatically.
    - **C5N:** This 446-acre area sits on the north side of Choccolocco Creek. Land use in the upstream portion of this CA is mainly forested, and changes to mainly agricultural heading downstream. This area was further subdivided into the small portion of the floodplain upstream of Coldwater Creek (C5N-EU1) and a larger downstream area (C5-EU2).
    - **C5S:** This 356-acre area lies on the south side of Choccolocco Creek. Land use in this CA is a mixture of agricultural and forested.

- **C6** includes the area from mile marker 23.5, where a small tributary enters Choccolocco Creek and the width of the floodplain lessens, to mile marker 19.5, where the topography changes are less and the width of the floodplain expands again.
    - **C6N:** This 95-acre area lies on the north side of Choccolocco Creek. The terrain in this CA rises sharply from the creek, creating a narrow floodplain. Land use in this CA is primarily forested.
    - **C6S:** This 101–acre area is on the south side of Choccolocco Creek. The terrain in this CA rises sharply from the creek, creating a narrow floodplain. Land use in this CA is primarily forested, with limited areas of agriculture and a few residential lots.

- **C7** includes the area from mile marker 19.5, where the width of the floodplain expands to just downstream of the Cheaha Creek confluence.
    - **C7N:** This 710-acre area is on the north side of Choccolocco Creek. Land use in this CA is mainly agricultural, with some forest and a small portion of residential use.
    - **C7S:** This 758-acre area lies on the south side of Choccolocco Creek. Land use in this CA is primarily agricultural with some forest.

- **C8** includes the area from just downstream of the Cheaha Creek confluence downstream to Jackson Shoals.
    - **C8N:** This 150-acre area sits on the north side of Choccolocco Creek. Land use in this CA is mainly agricultural, with some forest.
    - **C8S:** This 145-acre area is on the north side of Choccolocco Creek. Land use in this CA is mainly forested with some agriculture.

- **C9** includes the area from just downstream of Jackson Shoals to Highway 77.
    - **C9N:** This 111-acre CA sits on the north side of Choccolocco Creek. Land use in this CA is a mixture of forested and agricultural.

- **C9S:** This 108-acre CA sits on the south side of Choccolocco Creek. Land use in this CA is a mixture of forested and agricultural.

CERCLA Sampling Design

The nonresidential sampling design was developed based on the understanding of PCB distribution in the floodplain. A minimum of 20 sample locations were identified in each CA to support the calculation of EPCs in the OU-4 HHRA. For the purposes of characterization, the number of samples was determined based on the size of the CA and its location in the system, with a higher number of samples per acre for areas nearest to the creek bank and farthest upstream, and a maximum target density of one sample location per five acres. The sample locations were determined using an unaligned grid option through ProUCL, which provides even spatial coverage but allows for a degree of randomness in the sampling program.

Sampling to define the nature and extent of constituents was designed using a phased approach to delineate concentrations and fill data gaps laterally and vertically. Phase 1 included developing the CAs described above based on the CSM model, PCB data available at the time, and logical breaks in the hydrology, local geography, or land use. The number of sampling locations for each CA was calculated to provide sufficient data to develop an EPC based on a 95% UCL of the arithmetic mean (95%UCL) for each CA. The spacing of sample locations within each CA was done using the visual sample plan approach (Gilbert 2002), which is consistent with USEPA's data quality objective process (USEPA 2000a). A random sample assignment using the software's quasirandom capability was employed to distribute the locations of samples identified for each CA.

During Phase 1, samples were collected and analyzed from four CAs (C7N, C7S, C8N, and C8S) to verify the working hypotheses of the CSM and to test the efficacy of the sampling design. Overall, the Phase 1 efforts were effective in defining the nature and extent of PCBs in the four CAs and provided a basis for implementing a similar plan for the remaining CAs. Following Phase 1, Phases 2 and 3 were conducted using essentially the same approach to characterize the remaining CAs and close a few data gaps to identify the lateral and vertical extent of PCB concentrations to 1 mg/kg or below.

Phase 1 floodplain soil sampling was designed based on the data available from the RCRA program and the premises of the CSM. The plan was developed to collect samples at each location from the 0–6-inch, 6–12-inch, and 12–24-inch intervals. For those CAs within 500 feet of the creek bank, each surface (0–6-inch) sample and 50% of samples from the 6–12-inch interval were analyzed for PCBs, TOC, and grain size. Of those locations with the highest PCB concentrations in the 6–12-inch interval, 10% were chosen from the 12–24-inch intervals and analyzed for PCBs, TOC, and grain size. For locations in CAs farther than 500 feet from the creek bank, it was initially expected that only the 0–6-inch interval would be analyzed.

PCB data from the Phase 1 soil sampling program were compared with the floodplain soil PCB data from the RFI program and generally fit the same pattern as previously observed. That is, PCB concentrations decrease with distance downstream and distance from the creek bank. Based on the results from the Phase 1 sampling and the overall realization of sampling objectives, an extensive Phase 2 program was conducted to define the nature and extent of contamination in the floodplain and to provide data to support the risk assessments. Following a review of the Phase 2 results, a limited Phase 3 sampling effort was conducted to fill remaining data gaps near the edge

of the floodplain in several locations and to characterize PCB concentrations near two former geomorphological features that are located just outside of the 100-year floodplain boundary and east of Highway 21 in C3S-EU2 (Figure 4-2). The Phase 3 investigations were described in the OU-4 Phase 3 FSP (Arcadis 2010b) and the associated addenda 1 and 2 (Arcadis 2011a, 2011b).

Sampling locations are shown on the Figure 4-2 series. For each location, samples from the 0–6-inch and 6–12-inch intervals (where collected) were analyzed for PCBs, TOC, and grain size. In Phases 2 and 3, each sample initially selected for PCB analysis was also analyzed for mercury. A subset of samples based on approximately 10% of the total number of samples collected was also analyzed for a wider list of constituents. These constituents were analyzed based on USEPA's clarifications of data quality objectives for the Site (USEPA 2005b). Locations where samples were analyzed for the wider list of constituents are noted on the Figure 4-2 series. For those locations where the deepest interval (e.g., 6–12 inches) had PCB concentrations above 1 mg/kg, the next 1-foot increment (e.g., 1–2 feet) was removed from frozen archive for analysis. There were 1,746 samples (plus additional QC samples) collected from 801 sampling locations through these 3 phases of investigation.

Sampling results from Phases 1 and 2 (1,555 primary samples plus additional QC samples) were used to support the OU-4 HHRA, the OU-4 BERA, and the nature and extent of contamination evaluation. The Phase 3 sampling (191 primary samples plus additional QC samples) was conducted to refine the nature and extent of PCBs in select portions of the floodplain.

The following numbers of samples for Phase 1 and Phase 2 were collected for analysis of PCBs, TOC, and grain size:

- 742 samples from 0 to 0.5 feet
- 741 samples from 0.5 to 1 foot
- 59 samples from 1 to 2 feet
- 7 samples from 2 to 3 feet
- 6 samples from 3 to 4 feet

For Phase 1 and Phase 2 samples analyzed for PCBs, the number of nondetects, range of PCB concentrations, and average concentrations by depth interval are as follows:

- Of the 742 samples collected from the 0–0.5-foot interval, 313 of the PCB results (42%) were nondetects. The PCB concentrations ranged from nondetect to 75 mg/kg with an average concentration of 2.6 mg/kg.
- Of the 741 samples collected from the 0.5–1-foot interval, 402 of the PCB results (54%) were nondetects. The PCB concentrations ranged from nondetect to 194 mg/kg with an average concentration of 2.8 mg/kg.
- Of the 59 samples collected from the 1–2-foot interval, 3 of the PCB results (5%) were nondetects. The PCB concentrations ranged from nondetect to 320 mg/kg with an average concentration of 23 mg/kg.

- Of the 7 samples collected from the 2–3-foot interval, 1 PCB result was nondetect. The PCB concentrations ranged from nondetect to 28 mg/kg with an average concentration of 7.9 mg/kg.
- Of the 6 samples collected from the 3–4-foot interval, 1 PCB result was nondetect. The PCB concentrations ranged from nondetect to 23 mg/kg with an average concentration of 1.8 mg/kg.

A significant portion of the samples analyzed for PCBs were also analyzed for mercury. The following numbers of samples were analyzed for mercury:

- 607 samples from 0 to 0.5 feet
- 403 samples from 0.5 to 1 foot
- 10 samples from 1 to 2 feet
- 6 samples from 2 to 3 feet
- 6 samples from 3 to 4 feet

For Phase 1 and Phase 2 samples analyzed for mercury, the number of nondetects, the range of mercury concentrations, and average concentrations by depth intervals are as follows:

- Of the 607 samples collected from the 0–0.5-foot interval, 2 mercury results (<1%) were nondetects. The mercury concentrations ranged from nondetect to 22 mg/kg with an average concentration of 1.1 mg/kg.
- Of the 403 samples collected from the 0.5–1-foot interval, 4 mercury results (1%) were nondetect. The mercury concentrations ranged from nondetect to 33 mg/kg with an average concentration of 0.89 mg/kg.
- For the 10 samples collected from the 1–2-foot interval, mercury was detected in each sample. The mercury concentrations ranged from 0.02 to 5.9 mg/kg with an average concentration of 0.79 mg/kg.
- Of the 6 samples collected from the 2–3-foot interval, 1 mercury result (16%) was nondetect. The mercury concentrations ranged from nondetect to 3.4 mg/kg with an average concentration of 1.3 mg/kg.
- For the 6 samples collected from the 3–4-foot interval, mercury was detected in all the samples. The mercury concentrations ranged from 0.02 to 1.8 mg/kg with an average concentration of 0.62 mg/kg.

In addition to the Phase 1 and Phase 2 sampling programs to define the nature and extent and support the risk assessments, additional data needs were identified to support the bioaccumulation aspects of the ecological risk assessment and to refine the nature and extent of contamination near the outer edge of the 100-year floodplain. The supplemental sampling to refine the nature and extent of contamination was based on a review of the results collected through Phase 2 and was not needed to support the risk assessments, but rather the results from the 59 additional sample locations were used to refine the lateral extent of PCBs in the floodplain. The data for the ecological risk assessment included 68 samples collected from the 0–

6-inch horizon in the general areas where biological samples were collected. The supplemental floodplain soil samples to complete the nature and extent evaluation were collected during the Phase 3 investigation. Sampling to supplement the nature and extent evaluation resulted in the following floodplain soil samples for PCBs and mercury:

PCBs

- Phase 2 Ecological:
  - 68 samples were collected from 0 to 0.5 feet: Of these samples, 32 (47%) were nondetect. The PCB concentrations ranged from nondetect to 25 mg/kg with an average concentration of 1.8 mg/kg.

For the Phase 2 ecological program, 7 samples were also analyzed for 10 metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, manganese, nickel, and vanadium) and methylmercury in addition to total mercury. Additionally, 7 samples were analyzed for PCB congeners homolog groups and PCDD/DFs.

- Phase 3 Nature and Extent:
  - 59 samples from 0 to 0.5 feet
  - 59 samples from 0.5 to 1 foot
  - 2 samples from 1 to 2 feet
  - 2 samples from 2 to 3 feet
  - 1 sample from 3 to 4 feet

For the Phase 3 nature and extent samples, the number of nondetects, range of PCB concentrations, and average concentrations by depth interval are as follows:

- Of the 59 samples collected from the 0–0.5-foot interval, 12 (20%) were nondetect. The PCB concentrations ranged from nondetect to 43 mg/kg with an average concentration of 6.0 mg/kg.
- Of the 59 samples collected from the 0.5–1-foot interval, 19 (32%) were nondetect. The PCB concentrations ranged from nondetect to 93 mg/kg with an average concentration of 4.9 mg/kg.
- For the 2 samples collected from the 1–2-foot interval, the PCB concentrations were 2.6 and 4.2 mg/kg with an average concentration of 3.4 mg/kg.
- For the 2 samples collected from the 2–3-foot interval, the PCB concentrations were 0.86 and 1.3 mg/kg with an average concentration of 1.1 mg/kg.
- The single sample collected from the 3–4-foot interval had a PCB concentration of 2.7 mg/kg.

Mercury

Most of the samples from Phase 2 and Phase 3 investigations were analyzed for both PCBs and mercury, resulting in the following numbers of samples for mercury:

- Phase 2 Ecological:
  - For the 68 samples collected from the 0–0.5-foot interval, mercury was detected in all of them. Mercury concentrations ranged from 0.02 to 8.4 mg/kg with an average concentration of 0.88 mg/kg.
- Phase 3 Nature and Extent:
  - 59 samples from 0 to 0.5 feet
  - 59 samples from 0.5 to 1 foot
  - 2 samples from 1 to 2 feet

The number of nondetects, range of mercury concentrations, and average concentrations by depth interval for the Phase 3 nature and extent sampling are as follows:

- For the 59 samples collected from the 0–0.5-foot interval, mercury was detected in all of them. Mercury concentrations ranged from 0.02 to 11 mg/kg with an average concentration of 1.8 mg/kg.
- Of the 59 samples collected from the 0.5–1-foot interval, 1 mercury result was nondetect. Mercury concentrations ranged from 0.02 to 19 mg/kg with an average concentration of 1.2 mg/kg.
- For the 2 samples from the 1–2-foot interval, mercury concentrations were 0.75 and 1.0 mg/kg with an average concentration of 0.88 mg/kg.

Of the Phase 3 nature and extent samples, 16 samples were analyzed for 10 metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, manganese, nickel, and vanadium) in addition to mercury. Additionally, 14 samples were analyzed for PCB congeners and homolog groups, and 11 samples were analyzed for PCDD/DFs.

4.1.2.2 CERCLA Residential Soil Investigations

As discussed in Section 2.7, OU-4 is significantly less developed and includes more open space and far fewer residential areas than OU-1/OU-2. However, some residential areas or the potential for an area to be residential are evident in OU-4; these warranted addressing in a manner consistent with the approach defined in the NTC Removal Action provisions of the PCD and used in OU-1/OU-2. This section discusses the technical approach used to identify potential residential structures and residential use areas in OU-4 that may have been influenced by Choccolocco Creek flooding. This residential use evaluation was conducted following the residential sampling and removals that were previously completed for Evaluation Area 35 under the NTC Removal Action Agreement.

The overall process for evaluating residential structures is shown on the flow chart included as Figure 4-4. The Figure 4-5 series begins with a key figure and then shows each of the structures located in and adjacent to the 100-year floodplain that were viewed as potentially supporting residential use activities. This evaluation was conducted by reviewing high-resolution aerial photographs. The 388 structures identified through this process are listed in Table 4-3.

Each structure was assigned a CA based on the CA it is in or, if the structure is outside the current CA boundary, the nearest CA. Each structure was given a unique identifier and is listed

in Table 4-3; structures carried through the process are shown on the Figure 4-5 series. Table 4-3 lists the type of structure (e.g., shed, house, commercial business, pump station, barn) and includes whether the calculated PCB EPC for the CA is greater than or equal to 1 mg/kg. Table 4-3 also includes tax parcel and ownership information for the property where the structure is located, whether the tax parcel is in or extends into the CA, and whether the structure warranted further evaluation. Structures that are not considered as supporting residential use were not considered further. If a structure is on a parcel that is entirely outside of the CA (100-year floodplain) and does not extend into the CA, it was concluded that it would not support a residential land use within the CA, and it was not considered further. The symbols on the Figure 4-5 series indicate whether a structure was determined to be nonresidential or residential. Floodplain soil PCB concentrations (highest at each location) are also shown on the Figure 4-5 series.

Table 4-3 shows whether the structure has the potential for residential use and whether the calculated EPC for the CA associated with the structure is greater than or equal to 1 mg/kg. If the structure has the potential to be residential and the CA EPC is greater than or equal to 1 mg/kg, then it was carried forward for field observation. Structures in CAs with PCB concentrations below 1 mg/kg were also reviewed to determine whether individual residential areas had the potential to have soil concentrations above 1 mg/kg. Potential residential structures in these CAs were organized into five categories:

1. Samples were collected from within 500 feet of the structure and the results were less than 1 mg/kg (no further evaluation required).
2. The structure is farther than 1,000 feet from the creek bank (based on PCB concentrations and distance from the creek, no further evaluation required).
3. Residential structures were removed from further consideration based on field observations with USEPA. These observations included that the residential use areas were sufficiently elevated relative to the creek and the low PCB concentrations (less than 1 mg/kg) previously measured on several similar properties in the area (no further evaluation required).
4. Samples were previously collected from within 500 feet of the structure and one or more of these sample results was greater than or equal to 1 mg/kg (further evaluation required).
5. No samples were collected from within 500 feet and the structure is within 1,000 feet of the creek bank (further evaluation required).

P/S and USEPA field teams conducted field observations from September 26 through 29, 2011. These observations found that the surface elevations in some areas precluded influence from creek flooding, and, as noted above, these residential use areas were not considered further. Field observations also identified a few structures and areas as potentially residential that were not previously identified during the review of aerial photographs. Based on these screening steps, Table 4-4 summarizes the field observation findings and includes whether the residential use areas around the structure required sampling in accordance with the NTC Removal Action Agreement. If sampled, samples were collected as five-point composites over a 0.25-acre area or smaller. Areas that were sampled are shown on the Figure 4-6 series, and the sample results are presented in Table 4-5. In some cases, sample results were above 1 mg/kg, and the area was

remediated in accordance with the NTC Agreement. This is also noted in Table 4-5. Removals were conducted on 11 properties with residential use. Only one structure (No. 117) had concentrations greater than 1 mg/kg (1.9 mg/kg) and was not remediated because the owner did not grant access. These sampling results were used to identify locations where residential removal actions were to be conducted and were not used for developing EPCs in the broader CAs/EUs used for the human health and ecological risk assessments. The residential sampling results were reported in the Completion Report (Golder 2015) and the associated annual addenda reports (Golder 2016, 2017; Solutia 2018a, 2019).

4.2 Sediment Investigations

OU-4 sediment was characterized over a series of phased investigations. The initial phase of characterization was conducted as a part of the RCRA program. Based on the results from the RCRA program, additional sampling was conducted under the CERCLA program to close data gaps and to provide specific inputs needed for the OU-4 HHRA and the OU-4 BERA. The RCRA program consisted of four specific sediment characterization efforts. The first component included mapping sediment deposits in Snow and Choccolocco Creeks and, based on this mapping, collecting samples for analyses to characterize the nature and extent of contamination. The second component of the program involved collecting surface sediments from the same locations as used for fish collection. The third component of the program was collecting samples for geochronological analyses in conjunction with PCB analyses in order to correlate PCB concentrations with the time of deposition. The fourth component was to evaluate sediment that had been wet-sieved to assess the sediment PCB concentrations based on the grain size distribution of the sediment. Sediment sampling under the CERCLA program was conducted to more completely characterize the backwater area located at the confluence of Snow and Choccolocco Creeks and to provide additional data to support the OU-4 HHRA and the OU-4 BERA.

The locations of sediment samples collected in OU-4 are shown by program on the Figure 4-2 series. The PCB results for these samples are shown on the Figure 4-3 series including labels on the individual sample locations. Details for the RCRA and CERCLA sampling programs are discussed below, and the PCB sediment dataset is presented in Table 4-6. A summary of the sediment data collected for the wider list of constituents is provided in Table 4-7. Sediment data for samples collected from Choccolocco Creek upstream of the backwater area (outside of OU-4) are included in Table 4-8. The detailed data for all the sediment samples discussed in Section 4.2 are provided in an electronic format in Appendix B.

4.2.1 RCRA Program Sediment Sampling

Sediment sampling was conducted to characterize Snow and Choccolocco Creeks under the RCRA program. The distribution of PCB and other constituents (metals) in sediment were assessed using a phased approach with an initial physical investigation followed by sampling for chemical parameters. Samples selected for chemical analyses were preferentially chosen to be representative of the highest concentration (expected to be associated with fine-grained sediment) sediment deposits in the creeks.

The distribution of PCBs in Snow Creek and Choccolocco Creek was assessed using a stratified sampling approach. The use of stratified sampling approaches for chemically characterizing sediments is common in investigating contaminated sediment sites in the United States.

Protocols and guidance developed by the International Joint Commission (IJC 1988) and USEPA's Assessment and Remediation of Contaminated Sediments (USEPA 1991) program to investigate contaminated sediments embrace this approach. Large sites where PCBs are the constituent of interest and which are being addressed under USEPA policy and guidance, including the Hudson River in New York and the Sheboygan River in Wisconsin, used this approach. Other major government initiatives also use this approach, including on the Fox River in Wisconsin.

The stratified sampling approach is based on established principles regarding the affinity of PCBs for fine-grained sediment and the hydraulic transport/deposition in river systems, which predict a general relationship between flow velocities and the deposition of PCBs. This relationship is such that the highest PCB concentrations are expected to be found in low-energy zones within Snow Creek and Choccolocco Creek where fine-grained sediments accumulate. The first phase of the sediment investigation was conducted to begin to define this relationship through an intensive instream sediment probing and channel characterization survey. For Choccolocco Creek, probing to estimate the size of fine-grained and coarse-grained sediment strata was conducted along a series of regularly spaced transects. The shallow water depths in Snow Creek allowed for a continuous survey where the sediment deposits were visually observed, characterized with respect to texture (fine-grained vs. coarse-grained), and mapped. Based on the survey, the geographic and sediment characteristic strata were defined. Once the various strata were identified, samples were submitted for analysis (second phase) to characterize the distribution of PCBs and metals within each stratum.

In the RFI sediment program, 336 samples were collected from a variety of depth intervals: from 0 to 2 inches (or more); from 2 inches to between 4 and 12 inches; from 12 inches up to 24 inches; and from 24 inches up to 36 inches. One sample was collected from 36 to 45 inches. All 336 samples were analyzed for grain size, TOC, and PCBs. Of the PCB results, 32% were nondetect. PCB concentrations ranged from nondetect to 169 mg/kg with an average concentration of 3.2 mg/kg. A subset of 55 samples were analyzed for the PCD list of metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, manganese, mercury, nickel, and vanadium). Mercury concentrations ranged from 0.01 to 5.8 mg/kg with an average concentration of 0.49 mg/kg.

4.2.1.1 Nature and Extent Sampling

The first phase of investigations consisted of collecting physical creek data and identifying and mapping the lateral and vertical extent and types of sediment deposits. The approaches for Snow and Choccolocco Creeks differed. Snow Creek is small and shallow, and, thus, characterization of Snow Creek included continuous mapping and measuring of obvious sediment deposits. Choccolocco Creek characterization used a transect approach to probe and collect sediment cores to measure the extent of deposits and to characterize sediment. Samples for laboratory analyses were chosen to be representative of the geography of the creek and the types of sediment deposits with a bias toward selecting samples of finer-grained sediments to capture sediments most likely to have higher concentrations of constituents.

Snow Creek

The first phase of sediment characterization in Snow Creek involved mapping and measuring visible sediment deposits. Snow Creek's small size and shallow depth were suitable for continuous visual observation of the sediment and probing of the creek bed from the 11th Street

Ditch downstream to the confluence with Choccolocco Creek. Observations and probing were conducted by wading in the creek bed. For the purpose of characterization, under the RCRA program, Snow Creek was divided into six sections from the 11th Street Ditch to the confluence with Choccolocco Creek. The most downstream portion of Snow Creek was labeled as section 6 and is now designated as the OU-4 portion of Snow Creek. The sediment deposits in Snow Creek (characterized as those areas penetrable by the probing rod) were identified and characterized by area of the deposit, average thickness of the deposit, predominant sediment types, and the type of depositional environment. Each sediment deposit in this downstream reach of Snow Creek was assigned a sequential number from upstream to downstream. The locations of identified deposits and creek characteristics in OU-4 are shown on Figure 4-7. The characteristics of each Snow Creek sediment deposit are included in Table 4-9, and each deposit is also described using the following categories:

- Aggrading bars - including deposits characterized as sand bars and islands
- Channel deposits - including bank wash
- Terraces - including high and low terraces as well as bank deposits

Of the 28 deposits identified in the OU-4 portion of Snow Creek, 10 deposits were characterized as fine-grained sediment deposits. Fine-grained sediment deposits were defined as deposits that contained more than trace amounts of silts or clays and are identified in Table 4-10 by shading. Since higher PCB levels were expected to be associated with fine-grained sediment, these deposits were preferentially selected for laboratory analyses for PCBs, TOC, and grain size. A fraction of these samples (approximately 10%) was also analyzed for metals. Based on probing and mapping information, the estimated area and volume of each sediment deposit are presented in Table 4-10.

Cores selected for chemical analyses were distributed based on sediment type and the size of the deposit with a bias toward capturing fine-grained sediment. Samples were designated as S-6-# followed by the depth increment, where # was the assigned deposit number (Figure 4-7). A total of 16 of the 28 deposits were sampled for laboratory analyses, including 9 of the 19 aggrading bars, 4 of the 5 channel deposits, and 3 of the 4 terrace deposits. At most locations, cores for analysis were divided into samples from the upper 2 inches and from 2 inches to 1 foot or to the bottom of the core if less than 1 foot. At sample locations where the overall lengths of the cores recovered were relatively short (approximately 2.5 and 3.5 inches), the entire core length was included in the surface interval. A total of 38 samples from 16 locations were analyzed for PCBs. The results are presented on Figures 4-3b and 4-3c. The PCB data for sediment are presented in Table 4-6. A summary of the overall sediment data set for TOC, grain size, and the wider list of constituents is provided in Table 4-7.

The majority of sediment samples collected from the OU-4 portion of Snow Creek had relatively low PCB concentrations. Most sample results were less than 10 mg/kg with the exception of the 0–2-inch surface interval from S-06-03 (41 mg/kg). The upper 1-foot length-weighted average for this location is 11 mg/kg. The average from the upper 2 inches across all locations in the OU-4 portion of Snow Creek is comparable to the average from the 2-inch to deeper interval (5 and 4 mg/kg, respectively). Only one sample (S-6-27) from below 1 foot had PCBs detected (5.6 mg/kg).

Choccolocco Creek

Sediment investigation activities in Choccolocco Creek were conducted along transects perpendicular to creek flow. The RFI Work Plan established 186 transects along the approximately 35 miles of Choccolocco Creek, or 1 transect for every 1,000 feet of creek bed from just upstream of the Snow Creek confluence, downstream to Lake Logan Martin. Three transects upstream of the confluence with Snow Creek (C-U1, C-U2, and C-U3) were also probed and sampled to evaluate the potential backwater effects in Choccolocco Creek upstream of the Snow Creek confluence. The first phase of activities in Choccolocco Creek consisted of probing sediment and collecting cores along each of the 186 proposed transects (BBL 1999a). Four cores were targeted along each transect and spaced evenly across the channel width (i.e., at approximately 20%, 40%, 60%, and 80% of the creek width). Channel geometry from these transects and the dimensions of bridge openings were used to support hydraulic modeling conducted as part of the Off-Site RFI using USACE Hydraulic Engineering Center's River Analysis System (HEC-RAS) software. The hydraulic modeling and results are presented in Appendix D of the Off-Site RFI Report (BBL 2000a).

Sediment probing was conducted from downstream to upstream. Sediment observations, including a textural characterization using the Unified Soil Classification System (USCS), were logged for each core recovered. In total, sediment cores were recovered at 580 of the 796 locations attempted. For the 216 locations where core recovery was not possible, either bedrock or boulders were present instead of sediment. Along each transect, physical measurements were also taken, including the channel width, channel bottom elevation (Figure 4-8), water surface elevation (Figure 4-9), water depth (Figure 4-10), surface water velocity (Figure 4-11), and sediment thickness (Figure 4-12). The measurements associated with Figures 4-8 through 4-12 are summarized in Table 4-11 along with the channel width along each transect. Based on the physical information collected for Choccolocco Creek and the location of tributary inputs, Choccolocco Creek was divided into the following geographic reaches (also termed geographic strata):

- Backwater area (upstream of Friendship Rd)
- Friendship Rd to Coldwater Creek
- Coldwater Creek to Cheaha Creek
- Cheaha Creek to Jackson Shoals
- Jackson Shoals
- Jackson Shoals to Lake Logan Martin

The physical characteristics for the 580 sediment cores collected from Choccolocco Creek under the RCRA program are presented in Table 4-11. These physical characteristics are summarized in Table 4-12 by the six creek reaches identified above. Summaries of sediment types observed for each reach are provided in Tables 4-13a and 4-13b. The USCS descriptions of the cores are provided in Table 4-13a, and the USCS descriptions are grouped into broader classifications in Table 4-13b. These broader classifications included fine-grained sediment (organics, clays, silts, and fine sands), coarse-grained sediment, and gravel. The total area or volume of sediment by geographic reach are presented in Tables 4-14a and 4-14b, respectively, and include the

percentages of the various sediment textures (fine-grained, coarse-grained, gravel, and no recovery).

For each reach, the sediment cores selected for PCB analysis were apportioned based on sediment types encountered in that reach. The numbers of samples for each reach and sediment type were based on the assumption that the probability distributions of key sediment parameters would be approximately normal or could be normalized by mathematical transformation. The numbers of samples were determined according to the size of the sediment deposits and preponderance of sediment type and the nature of the function determining standard error of the estimated mean. The process recognized that as the number of samples increased, uncertainty in the PCB distribution decreased. The principle of stratified sampling applied this knowledge to select sample sizes that provided characterization of each reach and each sediment texture within the reach.

A minimum of 30 sediment cores were selected from each of the reaches downstream from Snow Creek at a frequency proportioned for each sediment type (Table 4-15). Within each reach and sediment type, the cores selected for PCB analysis were chosen randomly. For the backwater area reach located upstream of the confluence with Snow Creek, over 90% of the sediment cores classified as fine and coarse were analyzed for PCBs.

Cores selected for laboratory analyses (Table 4-16) were segmented into the 0–2-inch depth interval, the 2–12-inch depth interval, and 1-foot intervals thereafter, unless a distinct visible horizon was encountered; in those cases, the samples were apportioned at the observed horizon.

The PCB results from the RCRA program evaluating nature and extent (termed "RFI nature and extent" in the figure legend) are shown on Figure 4-13. This figure presents all the sediment data for OU-4 (including the RCRA and CERLCA programs) and includes a breakout by sampling program to highlight which data were collected under each program. These sediment PCB results, including the samples collected from Snow and Choccolocco Creeks, support the CSM for OU-4 with elevated PCB concentrations in the backwater area that decline in concentration moving downstream toward the lower end of the system. These same OU-4 PCB sediment results are presented on Figure 4-14 and are segmented by Snow Creek, Choccolocco Creek, and upstream background samples collected from Choccolocco Creek upstream of the backwater area.

PCB results for the sediments collected from Choccolocco Creek are provided in Table 4-6. The results are also presented on the Figure 4-3 series. Results for other analyses are summarized in Table 4-7.

4.2.1.2 Geochronological Investigations

Sediment samples for geochronological testing were collected in 1999 to provide data to assess sediment deposition rates and evaluate sediment stability. A series of four geochronological sediment cores were collected from the mouth of Choccolocco Creek where it enters Lake Logan Martin (Figure 4-15). This sampling location is referred to as middle Lake Martin (MLM) as it is close to the midpoint of Lake Logan Martin relative to the upstream Neely Henry Dam and the downstream Lake Logan Martin Dam. This sampling location is relative to OU-4 as it is located where Choccolocco Creek flows into Lake Logan Martin. The cores were finely sectioned into the 0–0.5-inch, 0.5–1-inch, and 1–2-inch intervals, and then 2-inch intervals to the depth of the core and analyzed for radionuclides of cesium 137 (Cs-137), lead 210 (Pb-210), and beryllium 7

(Be-7). Results of the radionuclide analyses were evaluated to characterize historical and recent sediment transport rates, sediment deposition rates, and surface sediment mixing depths.

The low levels of radionuclides and the variability exhibited by samples from the cores limit the use of these data for establishing a reliable depositional chronology. Nonetheless, PCB analysis was conducted for sediments from three of the cores (MLM-GEO-4, MLM-GEO-5, and MLM-GEO-7; Table 4-17). PCB concentrations were also relatively low in the core sections, further complicating the evaluation of deposition rates in this area. Core MLM-GEO-7 had the highest PCB concentrations (1.1 mg/kg) from these cores. The PCB data plotted on Figure 4-15 include the collection interval estimated time (year) that the sediments were deposited. The temporal (chronological) profile aspect of this figure was developed using a combination of dating techniques based on the decay rate for Pb-210 and that Cs-137 initially appears in sediment during 1954 coincident with the start of atmospheric testing of nuclear weapons. These data indicate that the highest PCB concentrations correspond with the period of the 1960s to 1970s. After this period, sediment PCB concentrations in Choccolocco Creek decline until the early 1990s when a spike in concentration is apparent. The timing of this increase in PCB concentration is consistent with the timing of NRCS dredging of the creek (Section 2.6). PCB results for these geochronological sample locations are shown on the Figure 4-3 series and are included on Figures 4-13 and 4-14.

4.2.1.3 Wet Sieve Analysis

To assess the variation in the PCB concentration among various particle size classes and the potential importance of the differential transport of sediment particles (i.e., winnowing), a wet sieve analysis was conducted on sediment from eight of the cores collected from Choccolocco Creek. Cores for this evaluation were collected from individual cores from eight RCRA program transects: three transects with fine-grained sediment (C-U2, C-134, and C-180) and five transects with coarse-grained sediment (C-011, C-022, C-100, C-101, and C-138). The locations of these eight transects are presented on the Figure 4-2 series, and the associated PCB results for the samples are presented on Figure 4-16 and included in Table 4-18. The PCB concentrations on Figure 4-16 are presented based on the materials retained on the different size sieves and for the materials that passed through the No. 200 sieve (i.e., silts and clays). The results indicate that the majority of PCBs are associated with the finer-grained materials, including the sediment retained on No. 100 and No. 200 sieves (fine sand) and sediment passing the No. 200 sieve (silts and clays).

As expected, higher PCB concentrations were generally associated with the finer material within each core. This relationship is stronger in the sediment collected upstream in Choccolocco Creek than in the downstream direction, as inputs of the various size fractions lowers the concentration of particulate-phase PCBs in each class size. These trends can be seen on Figure 4-16, which show PCB concentrations for each size fraction for each of the cores where PCBs were detected. The sampling locations presented on Figure 4-16 are organized from upstream to downstream with the upstream location from the backwater area (i.e., C-U2-2) located to the far left-hand side of the figure. The remaining location identifications (e.g., C-180-2) are based on distance downstream (in 1,000-foot increments) from where I-20 crosses Snow Creek. These data confirm the premise behind the stratified sampling approach, which predicts that higher and more variable PCB concentrations are expected to be found in the finer-grained sediments throughout the system. These results are not included in Table 4-6 or on Figures 4-13 and 4-14 as they do

not represent in-place conditions for establishing the nature and extent of contamination. The overall dataset for these samples is included in an electronic format in Appendix B.

4.2.1.4 Fish Tissue Collection Areas

Surface sediment samples were also collected during the RFI at the three fish sampling locations in Choccolocco Creek (Locations 44, 43, and 35) shown on Figure 4-17. For completeness, the fish tissue sampling locations associated with this OU-4 RI are presented on Figure 4-17, including the collection locations for samples collected under the CERCLA and RCRA programs and fish tissue collection stations that were historically used by ADEM. Ten sediment samples were collected at each of the three RCRA program locations from the 0–2-inch horizon. This resulted in a total of 30 surface sediment samples. Samples were analyzed for PCBs, and a subset of these samples was analyzed for mercury. PCB results for these locations are shown on the Figure 4-3 series and are included on Figures 4-13 and 4-14. The PCB results shown on Figure 4-13 are identified with the label of "RFI fish tissue sampling locations." The PCB data are provided in Table 4-6, and the mercury data are summarized in Table 4-7.

As part of the RFI fish tissue collection program an additional 30 surface (0–2 inches) sediment samples were collected and analyzed for PCBs, TOC, and grain size (identified as RFI Surface Sed in Table 4-6). PCB concentrations in surface samples ranged from nondetect (1 sample) to 2.7 mg/kg with an average concentration of 0.57 mg/kg. Of these surface sediment samples, 15 were analyzed for mercury. The mercury concentrations ranged from 0.27 to 1.7 mg/kg with an average concentration of 0.9 mg/kg.

4.2.1.5 Sediment Trap Samples

A series of sediment traps were deployed for several months in the backwater area near the confluence of Snow Creek and Choccolocco Creek. Three of the sediment traps were placed in the same general locations as the three upstream sediment transects from the RCRA program (C-U1, C-U2, and C-U3). The fourth sediment trap (SE-U4-1) was deployed upstream of the backwater area near Boiling Springs Road; parent and duplicate samples were collected from this sediment trap for analysis. Sediment trap locations are shown on Figure 4-18. The PCB concentration results from the sediment trap samples are presented in Table 4-19 but are not included on Figure 4-2c since the sediment trap data are reflective of PCB concentrations associated with particles settling out of the water column and may not accurately reflect localized surface sediment PCB concentrations. There were no PCB results for the sediment trap deployed at location SE-U1-1. This sediment trap was initially placed on the main flow branch of Choccolocco Creek near its confluence with Snow Creek. The sediment trap was recovered 600 feet downstream of its initial placement location; therefore, sediment contained in the trap was not considered to be representative of its original location. This sediment trap (SE-U1-1) was placed on the main branch of Choccolocco Creek that conveys most of the creek flow through the backwater area and is subject to higher surface water flow velocities than the remaining portions of the area. It is possible that elevated surface water conditions dislodged the sediment trap and transported it to the downstream location where it was found.

Sediment recovered from the trap deployed at location SE-U2-1 had a PCB concentration of 0.84 mg/kg. The sediment trap that was placed at location SE-U3-1 was not found. The sediment PCB concentration of the material recovered from SE-U4-1 was approximately 3 mg/kg. This is the average of the parent sample PCB concentration of 2.9 mg/kg and duplicate sample concentration of 3.3 mg/kg. The results of these sediment traps indicate that sediment deposition

rates near the confluence of Snow and Choccolocco Creeks are low and that the PCB concentrations of the most recent sediment deposited on the surface of the backwater area are also low, ranging from approximately 1 to 3 mg/kg.

4.2.2 CERCLA Program Sediment Sampling

While the RCRA sediment sampling and analysis program defined the coarse-scale spatial distribution and PCB concentrations within OU-4, the CERCLA sediment sampling and analysis program more completely defined the nature and extent of sediment PCBs and other constituents. Specifically, sediment samples were collected to more fully characterize the nature and extent of contamination in the backwater area under the OU-4 Phase 1 FSP (BBL 2006b), evaluate sediment stability in the backwater area through additional geochronological samples, and support the OU-4 HHRA and the OU-4 BERA under the OU-4 Phase 2 FSP (Arcadis 2010c). The specific sampling efforts to support the risk assessments included collecting sediment samples that were coincident with the fish tissue samples to support the OU-4 HHRA, sediment samples that were coincident with the biota samples to support the OU-4 BERA, and sediment samples that would support the sediment toxicity testing and bioaccumulation program. These sampling efforts and the results are described in more detail below.

4.2.2.1 Nature and Extent Sampling

Sediment samples were collected and analyzed under the CERCLA program to more fully define the nature and extent of PCBs in sediment than that established under the RCRA program. To reduce uncertainty around the nature and extent of PCBs in the backwater area near the confluence of Snow Creek and Choccolocco Creek, seven additional sediment transects were established and sampled. In addition to the collection of PCB and other chemistry data, physical measurements of water depth and sediment thickness were collected to aid in evaluating sediment stability in this area.

Sediment cores were advanced manually until refusal at four locations across each transect. Cores were visually characterized, photographed, and segmented into the 0–2-inch and 2–12-inch intervals. After the first foot, the cores were segmented into 12-inch intervals to the bottom of the core. A total of 101 samples from 28 locations were collected and analyzed for PCBs, TOC, and grain size. The samples were collected from a range of depth increments, including 28 samples from 0 to 2 inches, 27 samples from 2 to 6 or 12 inches, and 46 samples in 1-foot increments from below the upper foot to a maximum depth of 54 inches. Of the samples analyzed for PCBs, 69% were nondetect with a maximum concentration of 496 mg/kg. The average PCB concentration for these samples was 12 mg/kg. Fifteen samples were analyzed for mercury with 33% of the sample results being nondetect. PCB concentrations ranged from nondetect to 96 mg/kg with an average concentration of 17 mg/kg. These same 15 samples were also analyzed for the wider constituent list including VOCs, SVOCs, chlorinated and organophosphorus pesticides, TAL metals, PCB congeners, homolog groups, and PCDD/DFs.

Consistent with the technical approach used for floodplain soils, the Phase 1 findings for the wider constituent list in sediment were evaluated and most of the constituents were found to be nondetect or below screening levels. Therefore, subsequent sampling for characterization did not include analyses for VOCs, SVOCs other than PAHs, pesticides, or metals that were not on the PCD list.

The PCB results for the sediments collected from the backwater area are provided in Table 4-6. The results are also presented in plan view on the Figure 4-3 series along with the corresponding sample location designation. The PCB results are also shown on Figures 4-13 and 4-14. On Figure 4-13, the results are labeled as "RI/FS nature and extent" samples. Results for other analyses are summarized in Table 4-7.

4.2.2.2 Sediment from Fish Tissue Collection Areas

To provide additional data in support of the OU-4 HHRA, sediment samples were collected from each of the nine fish tissue sampling locations (Figure 4-17). These sediment samples were collected as composites over the same general area that was used for fish sampling. Samples were collected to be representative of direct human exposure at these areas and are also appropriate for calculating PCB biota sediment accumulation factors. Samples were collected from the 0–6-inch interval from nine locations designated as HHFL-01 to HHFL-09 from downstream to upstream (Figure 4-17). The PCB concentrations for these nine locations ranged from 0.08 to 150 mg/kg with an average concentration of 16 mg/kg. The high concentration sample (150 mg/kg) was collected immediately downstream of the Backwater area; and this concentration was significantly higher than the PCB concentrations for sediment that have been historically collected from this area. The average sediment PCB concentrations for the remaining eight fish tissue collection locations was 0.6 mg/kg. The mercury concentrations for the nine fish tissue collection locations ranged from 0.09 to 2.9 mg/kg with an average concentration of 0.95 mg/kg.

The PCB results are included in Table 4-6 and presented on the Figure 4-3 series. The PCB results are also shown on Figure 4-13 and Figure 4-14. On Figure 4-13, the results are labeled as "RI/FS fish tissue collection locations." Data for other constituents are summarized in Table 4-7.

Measurements of water depth, sediment thickness, and composition were made across the transects using a metered metal rod advanced by hand until refusal at 10-foot intervals. Water velocity measurements were collected at multiple depths for at least three locations along transects to better understand the distribution of flow between the northern and southern channels of the backwater area. Water depth and sediment field measurement averages are presented in Table 4-11. Mean water depth and sediment thickness were greater than 2 feet, which is consistent with prior measurements obtained during the RCRA program. The measured sediment thickness and water velocities for the backwater area generally are indicative of a depositional environment.

4.2.2.3 Sediment Collected to Support Ecological Risk Assessment Evaluations

Sediment samples were collected as a part of the ecological risk assessment program. Sediment samples were collected to be geographically and temporally representative of sediment conditions associated with the biota sampling conducted to support the risk assessment. For the purposes of assessing ecological risk, the creek was divided into three ecological aquatic assessment areas designated as upper, middle, and lower reach. In addition, three aquatic reference areas locations were selected to be outside of possible influence from the Site.

In each assessment area, 3 locations were chosen for sampling, and 3 habitat types were targeted at each location, for a total of 27 sediment sampling locations in the creek. At each location, 2 collocated sediment samples were collected from each habitat area for a total of 54 sediment samples from the OU-4 portion of the creek and 6 reference samples. Sediment samples were collected as close to the location of biota sample collection as possible to provide a site-specific

sediment exposure value for receptors. Samples were collected to be representative of the biologically active surface layer and were collected from 0 to 6 inches at each location.

A total of 54 samples were collected from the 0–6-inch interval and submitted for analysis. Each sample was analyzed for PCB Aroclors using USEPA Method 8082; for mercury using USEPA 7471A; for TOC using the Lloyd Kahn Method, and for grain size using ASTM D422 with hydrometer. The 54 samples did not include reference locations and were generally collected from lower surface water portions of Choccolocco Creek. PCBs were detected in all but one sample. The PCB concentrations ranged from nondetect to 5.2 mg/kg with an average concentration of 1.5 mg/kg. These samples were also analyzed for mercury, and mercury was detected in each sample. Mercury concentrations ranged from 0.04 to 6.3 mg/kg with an average concentration of 0.80 mg/kg. Seven samples (13%) were also analyzed for PCB congeners and homolog groups and PCDD/DFs. Six of the samples (11%) were also analyzed for PAHs, TAL metals, and methylmercury.

The PCB results are reported in Table 4-6 and shown on the Figure 4-3 series, which includes sample location labels that correlate with the results provided in Table 4-6. The PCB results are also shown on Figures 4-13 and 4-14. On Figure 4-13, the results are labeled as "RI/FS ecological program" samples. Data for other constituents are summarized in Table 4-7.

4.2.2.4 Samples Collected for Sediment Toxicity and Bioaccumulation Studies

As a part of the CERCLA program, sediment samples were collected to support the sediment toxicity testing and bioaccumulation studies that were being conducted by USGS and USACE. P/S used the results of sediment toxicity and bioaccumulation studies to prepare the OU-4 BERA. The sediment toxicity and bioaccumulation studies targeted portions of OU-4 that had sediments with high PCB concentration in the deeper intervals of the backwater area. The sample processing and handling procedures from USGS and USACE also required sieving and homogenizing these samples following collection and prior to analysis. As a result of these processing and handling procedures, these samples are not considered appropriate for characterizing the nature and extent of contamination in OU-4. The resulting data were acceptable for the purposes of determining sediment concentrations for a wide range of constituents, including PCBs, as a part of the sediment toxicity and bioaccumulation studies. Because the sediment data are not appropriate for characterizing the nature and extent of contamination and are not representative of exposure conditions in the OU-4 HHRA and the OU-4 BERA, they are not included in Table 4-6, Table 4-7, or any of the related figures. However, these sediment data are provided in Appendix F to this OU-4 RI.

4.2.2.5 Geochronological Investigations

In addition to the sediment cores collected to define the nature and extent of contamination in the backwater area, two cores were collected for radioisotope analysis (Be-7, Cs-137, and Pb-210). These data were collected to associate the depth profile with the time of deposition. Cores were segmented into 0–0.5-, 0.5–1-, and 1–2-inch sections and into 2-inch sections for the remainder of the cores, as was done for the RCRA program. Be-7 has a short half-life; therefore, when Be-7 is detected in the surface interval, it can be concluded that surface deposition is recent and that the core was collected without mixing the surface layer with deeper intervals. However, if Be-7 is not detected, there is no effective way to determine if this is due to natural mixing of the surface layer or a result of mixing during sample collection. Be-7 was not detected in the two

cores; therefore, no conclusions regarding the deposition timing for the surface interval (0–0.5 inches) could thus be drawn.

The PCB, Cs-137, and Pb-210 results for the two cores collected at CU-GEO-01 and CU-GEO-02 are presented on Figure 4-19a. A usable Cs-137 profile was generated for core CU-GEO-02. Using the Cs-137 profile for this core, a corresponding date was assigned to each sampling interval based on fixing the 1954 horizon to the first detectable Cs-137. Figure 4-19b depicts the corresponding PCB concentration to sample depth and year deposited based on this dating. Based on these data, the peak PCB concentration in the core corresponds approximately to the 1948 horizon. Based on the Cs-137 data, an annual sediment deposition rate between 0.3 and 0.4 inches per year is estimated. The Pb-210 profile indicates deposition rates may be as high as 0.5 inches per year.

A geochronological profile for core CU-GEO-01 was not developed because Cs-137 was not detected and the Pb-210 results had no apparent trend. The PCB concentration data for both CU-GEO-01 and CU-GEO-02 are included in Table 4-17.

4.2.3 Other Sediment Sampling Programs

Four sediment samples were collected for the Lake Pointe development project planned for the lower reaches of Choccolocco Creek. These samples were collected as part of planning and permitting process for a shoreline development project that has yet to be finalized. The four samples ranged in depth from 0 to 12 inches to 0 to 30 inches. The sediment PCB results are presented in Table 4-6 and ranged from nondetect to 0.87 mg/kg. The four samples were also analyzed for arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, manganese, and nickel. Mercury concentrations for the Lake Pointe sediment samples ranged from 0.027 to 0.84 mg/kg with an average concentration of 0.24 mg/kg.

4.3 Surface Water Investigations

Surface water investigations have been conducted under both the RCRA and CERCLA programs over the past 15 years. The investigations conducted under the RCRA program were focused on understanding surface water, sediment, and PCB transport during base- and high-flow conditions for Snow and Choccolocco Creeks. These investigations included collecting suspended solids from the surface water and characterizing the concentration of PCBs on the collected solids. The investigations conducted under the CERCLA program focused on understanding the distribution of PCBs and other constituents during base- and high-flow conditions, and samples were collected as whole-water samples. The data under both programs have served to fulfill the needs of the risk assessments and defining the nature and extent of constituents in surface water in OU-4. The work conducted under each program is detailed in the following subsections.

4.3.1 RCRA Program Surface Water Investigation

This section describes surface water investigation activities conducted for the RCRA program and the results of these investigation activities. The surface water investigation began in March 1999 with the installation of staff gages at the locations shown on Figure 4-20. Samples were collected manually during six base-flow events. The Off-Site RFI Work Plan also called for the collection of samples during high-flow events; however, it was difficult to access the remote sampling units in response to the quick rise and fall (flash flood nature) of surface water

elevations over a short time period. These access difficulties led to installing automated samplers at four locations (one at Oxford Lake Park and three on Choccolocco Creek).

Under the RCRA program, samples were collected for total suspended solids (TSS) and particulate-phase PCBs. Water samples were collected and filtered to retain the particulates. The particulate fraction was analyzed for PCBs as a solid sample and corrected back to a water concentration based on the TSS results. Results for the automated samplers are included in Table 4-20, and the results for the manual sampling are included in Table 4-21. For the automated samplers, TSS samples were collected as single grabs and as a composite over the period of interest. The composite sample results for TSS were used to calculate the whole-water concentration of PCBs. At each event and location, surface water flow rate measurements were taken at the time samples were collected.

4.3.1.1 Hydrologic Assessment

A hydrologic assessment of Choccolocco Creek was made by measuring flow at selected locations under both base-flow and storm-event conditions. Base-flow conditions characterized normal, low-flow regimes, while storm-event conditions characterized high-flow regimes in the Choccolocco watershed. Flow information was generated using a range of techniques for the flow measurement locations shown on Figure 4-20.

Historical flow information was available from the USGS station on Choccolocco Creek at Lincoln near Jackson Shoals. This gage was relocated from Jackson Shoals because of the impoundment at Lake Logan Martin. The Lincoln gage is also near the Highway 77 Bridge (location of TSS and PCB sampling), thereby providing both historical and more recent information on flows in this downstream reach of Choccolocco Creek. Flow data from the time of the RCRA program are shown on Figure 4-21 along with the dates of base- and high-flow sampling events. To complement the USGS information and to provide flow for TSS transport evaluation, nonrecording staff gages were installed at various locations on creeks in the Choccolocco Creek watershed as shown on Figure 4-20. The staff gage locations were selected to provide flow information and to coincide with locations where samples are to be collected for TSS and PCBs. Initially, gages were installed at one location on Snow Creek (Snow Street), three locations on Choccolocco Creek (Boiling Springs Road, Flat Bridge Road, and Highway 77), and on Eastaboga Creek and Cheaha Creek. Two additional gages were installed in 2002 along with automatic samplers at Oxford Lake Park (Snow Creek) and at Friendship Road (Choccolocco Creek). To characterize tributary flows into Choccolocco Creek from midbasin areas both north and south of Choccolocco Creek, as well as provide a basis for estimating inflow characteristics for ungaged tributary watersheds, two staff gages were installed in the midbasin region of Choccolocco Creek. One gage was installed on Eastaboga Creek and the second on Cheaha Creek.

4.3.1.2 Manual Surface Water Sampling

The Off-Site RFI Work Plan initially targeted six base-flow sampling events and six high-flow events. Base-flow events were intended to be representative of a one-year return interval. High-flow events were targeted to sample the same locations as during base flow and when flows exceeded 1,500 cfs at Jackson Shoals (see below). As described above, field conditions made manual sampling during high-flow events more difficult than anticipated, and automated samplers were set up to capture high-flow events. The automated samplers were also used to capture base-flow events.

Six base-flow surface water sampling events were conducted manually at two locations on Choccolocco Creek (Flat Bridge Road and Highway 77), from Snow Street on Snow Creek (just upstream of OU-4), and from Eastaboga Creek and Cheaha Creek (Table 4-21, Figure 4-20). Sampling events were conducted in March, May, June, and September of 1999 and in January 2000. Manual base-flow sampling dates, flow measurements, and chemical data are presented in Table 4-21.

Prior to installing the new gages and the automatic samplers, manual sampling was attempted to capture high-flow events. Sampling was planned to capture the rise, peak, and fall on the hydrograph. This was not accomplished due to the short durations of elevated flow. The few high-flow samples that were collected manually on April 1 and 27, 1999, are reported in Table 4-21.

4.3.1.3 Automated Surface Water Sampling

Planning for the RCRA program targeted three high-flow sampling events in addition to the base-flow sampling events. For Choccolocco Creek, the goal was to sample when peak flows were above 1,500 cfs at Jackson Shoals. The 1,500 cfs was calculated as the 10% exceedance flow (the flow that statistically would be expected to be exceeded 10% of the time) on a daily average basis. Based on 15 years of USGS data, this high-flow condition occurs, on average, approximately 5 times per year. Sampling during high-flow conditions proved to be difficult due to unusually dry conditions, the rapid changes in flow when it did rain, and because the gage at Jackson Shoals that was initially used to measure flow was not working properly. With an understanding of these problems, P/S worked with USGS during the summer of 1999 to have a real-time flow gage installed at Friendship Road that provided real-time creek flow information over the Internet. In addition, continuous surface water sampling stations were installed on Choccolocco Creek at Jackson Shoals and at Highway 77. To provide additional data, sampling stations were also installed at Friendship Road and Oxford Park and sampled in 2002.

To address the difficulties with manual sampling for high-flow events, automated sampling stations were set up at Jackson Shoals and at Highway 77 to provide additional surface water data. The sampling station at Jackson Shoals was installed in late September 1999 and collected surface water samples once a week for approximately eight weeks and also collected samples during high-flow conditions. After the initial eight-week period, the sampling unit was operated only in response to storm events until March 2001. A total of 38 samples were collected at this location and were designated as JS-SS-#, where # was assigned sequentially by event. The flow rates, durations of sampling, and chemical data are included in Table 4-20. Ten samples were collected from Highway 77 from March 1999 to March 2001 and were designated as 77-SS-# (Table 4-20).

Additional creek flow data were collected near the confluence of Snow and Choccolocco Creeks during 2002. This sampling program included installing an automated sampler on Snow Creek near Oxford Lake Park and an automated sampler on Choccolocco Creek at Friendship Road. Automatic samplers allowed the creek stage to be used as a trigger for the Snow Creek sampler and remote triggering using cell phone technology for the Friendship Road sampler. A time delay was programmed into the remote triggering system (using cell phone technology) so that a synoptic sample of the same slug of water from Snow Creek would be collected at Friendship Road after mixing with the upstream waters of Choccolocco Creek. Data from stage measurements on Snow Creek were used to estimate average and peak flows during the sampling

events along with the real-time data from the USGS flow gage near Friendship Road. A total of 17 events were sampled near Oxford Lake Park with 6 synoptic sampling events at Friendship Road between January 19 and November 15, 2002. Synoptic measurements were not collected for each Snow Creek sample because some of the high-flow events for Snow Creek were not of sufficient magnitude and duration to result in high-flow conditions in Choccolocco Creek. There were other occasions where equipment difficulties prevented synoptic operation of the two sampling units. These difficulties included debris blocking or damaging the sampler intake structures and weather interferences with the remote device used to trigger the Choccolocco Creek sampling station. Available data are reported in Table 4-20.

4.3.1.4 RCRA Program Chemistry Data

Under the RCRA program, a sufficient volume of surface water was collected to filter the solids from the water. The solids were measured to determine TSS concentrations for each sample. The samples were also analyzed for PCBs; the data are included in Table 4-20 (automated samples) and Table 4-21 (manual samples). TSS and PCB concentration data were used to calculate whole-water PCB concentrations. The TSS data as a function of flow in Choccolocco and Snow Creeks are presented on Figure 4-22. The data on Figure 4-22 are based on samples collected in Snow Creek (at Snow Street) and from three Choccolocco Creek manually operated sampling stations (Flat Bridge Road, Highway 77, and Jackson Shoals). The surface water flow rates on this figure range from approximately 2 cfs to over 9,000 cfs. As expected, TSS concentrations increase as a function of creek flow. Figure 4-23 shows PCB concentrations on particulates at the different sampling locations. Concentrations were the most variable and the highest from manual samples collected from the Snow Street location, where PCB concentrations on the particulate fraction ranged from less than 1 to 16 mg/kg and averaged approximately 5 mg/kg. The two highest particulate PCB concentrations (10 mg/kg and 16 mg/kg) from this location were under base-flow conditions compared to samples collected under high-flow conditions that were 3.3 mg/kg and 3.7 mg/kg. Particulate PCB concentrations were similar in the manual samples collected from Flat Bridge Road and Highway 77 and averaged 2 mg/kg and 1 mg/kg respectively. Figure 4-24 shows particulate PCB concentrations as a function of creek flows for the different stations and indicates that particulate-phase PCB concentrations tend to be similar regardless of flow. PCB concentrations are the highest and most variable in Snow Creek and upstream in Choccolocco Creek. Particulate PCB concentrations are lower and less variable in downstream locations. At Highway 77 and Jackson Shoals, particulate-phase PCB concentrations were less than 3 mg/kg regardless of flow.

4.3.2 CERCLA Program Surface Water Sampling

The CERCLA program included collecting and analyzing surface water samples from the Oxford Lake Park location during high-flow and base-flow conditions. These data were used in the assessment of the nature and extent of contamination within OU-4. These samples were analyzed for a wide range of constituents. Surface water samples were also collected during base-flow conditions under the CERCLA program throughout Choccolocco Creek and at three reference stations in support of the OU-4 BERA.

4.3.2.1 Oxford Lake Park

The high-flow samples collected from the Oxford Lake Park location in 2007 were targeted under the OU-1/OU-2 Nonresidential FSP (BBL 2004b) and associated addenda (BBL 2005b and 2006b). These data were collected to be representative of conditions at the downstream end

of OU-1/OU-2 at the border with OU-4. This sampling effort included collecting whole-water samples during three different high-flow events (three samples and a duplicate). The samples were collected using an automated in-water ISCO sampler that was triggered by a flow gage mounted on the bank near the sampling location. The samples collected during high-flow conditions were analyzed for the wider list of constituents and the data are provided in Table 4-22. PCB Aroclors were not detected (at a reporting limit of approximately 0.5 micrograms per liter [µg/L]) in any of the whole-water samples. Total PCBs as the sum of homolog groups, which is a more sensitive method than the 8082 Aroclor method, were determined and the concentrations ranged from 0.2 to 0.6 µg/L. PCBs were present at concentrations above the Ambient Water Quality Criteria (AWQC) during these high-flow conditions, and these data are consistent with the findings under the RCRA program that higher particulate concentrations are associated with higher flow conditions and that the PCBs absorbed on those particulates contribute to PCB concentrations in whole-water samples. While surface water PCB concentrations during the limited time duration high-flow conditions were more consistent with an acute exposure period than a chronic condition, an acute AWQC value is not available; thus, the comparison was made to the chronic AWQC value. For the list of metals evaluated as part of the OU-4 BERA, lead exceeded the chronic AWQC in one event, and both chromium and lead exceeded acute and chronic AWQC in one event. The overall dataset for these samples is also included in an electronic format in Appendix B.

4.3.2.2 Choccolocco Creek

In Choccolocco Creek, a focused surface water sampling program was implemented in the backwater area. A single sample was collected in each of the two branches of the creek in the backwater area (CSW-02 and CSW-03), and the third sample was collected in the main stem of Choccolocco Creek approximately 500 feet downstream of the Snow Creek confluence at the Friendship Road Bridge (CSW-01; Figure 4-20). Samples were collected during normal (base-flow) conditions that were considered to be representative of surface water flows that occur most of the time. Samples were collected as whole-water grab samples in accordance with the Site-Wide QAPP (Arcadis 2008b) and analyzed for the wider list of constituents. PCB analysis was done for total homolog groups to ensure that PCBs would be identified even if only at levels below Aroclor reporting limits or if not exhibiting an Aroclor pattern in surface water.

Surface water samples were also collected to support the BERA. These water samples were collected in the same general area as the sediment and biota samples and included locations in OU-4 and three reference locations. The surface water samples were collected during base-flow conditions and as whole-water grabs in accordance with the Site-Wide QAPP. Sample locations in OU-4 are shown on Figure 4-20 recognizing that the reference locations are outside of the OU. Based on the results from previous sampling events, samples were analyzed for a shorter list of constituents, including PCBs, PCDD/DFs, and the PCD list of metals.

PCB and mercury data for these samples are reported in Table 4-23. For the samples collected in OU-4, the total PCB concentrations ranged from not detected to 0.31 µg/L, and the average concentration was 0.075 µg/L (Table 4-24). Although the average value is above the chronic AWQC value of 0.014 µg/L, the average value is less than the measured surface water PCB concentration at one of the reference sites (0.11 µg/L at ERA-02-43). The average PCB concentration at the upstream reference locations (0.038 µg/L) was approximately three times higher than the chronic AWQC value of 0.014 µg/L. These data demonstrate that surface water PCB concentrations in OU-4 are not markedly different from upstream background conditions. It

is also important to recognize that these samples were collected and analyzed as whole-water samples and that the dissolved-phase PCB concentration in surface water is the biologically relevant measurement for assessing exposure conditions. Mercury was detected in 1 of the 39 whole-water samples collected under this program. Results for other constituents are summarized in Table 4-24. The overall dataset for these samples is also included in an electronic format in Appendix B.

4.4 Fish Tissue Investigations

Several fish tissue collection programs were conducted in OU-4 over the past 20 years. These sampling programs were designed to characterize the nature and extent of contamination in fish, support the OU-4 HHRA, and evaluate temporal fish tissue concentration trends. The fish tissue sampling programs listed below have collected over 1,200 individual fish tissue samples from OU-4:

- RCRA fish tissue investigation
- CERCLA fish tissue investigation
- Other fish tissue programs (Bayne 1997b and investigations performed by ADEM from 1993 to 2016)

The 361 fish tissue samples collected under the CERCLA program were collected exclusively from OU-4. While samples collected under the RCRA program included locations in both Choccolocco Creek and Lake Logan Martin, only the sample results from Choccolocco Creek are included in this OU-4 RI. The RCRA program samples included 73 fish samples and 17 whole-body young-of-year (YOY) (samples from Choccolocco Creek. Dr. David Bayne of Auburn University and representatives of ADEM have collected a total of 1,000 fish tissue samples from OU-4. The fish tissue dataset for these programs is summarized in Table 4-25; the supporting details (including the YOY results) are provided in Appendix B.

4.4.1 RCRA Program Fish Tissue Sampling

The RFI fish tissue investigation was designed to produce a quantitative understanding of the factors regulating PCB levels in fish tissue within the off-site study area. Fish investigation activities were initiated in mid-November 1999 and were completed by late December 1999. ADEM's field operations group directly oversaw fish collection and processing activities. Fish were collected using a combination of electrofishing and netting techniques. The sampling program focused on adult bass and catfish that were evaluated as individual skin-off fillets collected from three of the sampling stations identified on Figure 4-17 (Stations 44, 43, and 35). All fish samples were analyzed for PCBs and lipid content, and 50% of the adult bass samples were also analyzed for mercury.

The average PCB concentration for adult bass samples ranged from 2.3 mg/kg at the downstream end of Choccolocco Creek (Station 35) to 5.4 mg/kg at Station 44 near the confluence of Coldwater Creek. The average PCB concentration for adult catfish ranged from 4.8 mg/kg at Station 35 to 8.8 mg/kg Station 44. The measured concentration of mercury in adult bass collected from the three Choccolocco Creek fish collection stations ranged from 0.21 mg/kg to 0.91 mg/kg (BBL 2000a).

The RCRA fish collection program also included an evaluation of YOY samples. The samples were collected at Stations 44, 43, and 35 (Figure 4-17) for potential use in monitoring long-term concentrations trends. The samples were evaluated by compositing five whole-body fish for each location into a single homogenate that was analyzed for PCBs and lipid content. The expected spatial trend in PCB concentration was exhibited by these YOY data with the highest average whole-body PCB concentration at the most upstream location (Station 44) and declining in a downstream direction. The average whole-body PCB concentrations for Stations 44, 43, and 35 were 11.9 mg/kg, 7.2 mg/kg, and 4.0 mg/kg, respectively (BBL 2000a).

4.4.2 CERCLA Program Fish Tissue Sampling

The CERCLA fish tissue investigation was designed to characterize the nature and extent of contamination in fish tissue and to support the OU-4 HHRA. The samples were collected in 2008, and the resulting data were used to calculate the EPCs used in the OU-4 HHRA. The data are also useful for evaluating changes in fish tissue concentrations over time. This evaluation was conducted by comparing measured fish tissue concentration with those from samples that were collected in the 1990s and the early to mid-2000s.

The fish tissue samples were collected in accordance with the OU-4 Phase 2 FSP (Arcadis 2010c) using a combination of electrofishing and trotline techniques. Fish were collected from nine locations including eight Choccolocco Creek locations and one location at the downstream end of Snow Creek (Figure 4-17). The sampling program collected target species from three separate trophic levels:

- Predator: largemouth bass or spotted bass
- Bottom feeder: channel cattish or blue catfish
- Forage fish: sunfish or crappie

At each collection location, fish of each species were filleted, and length, weight, and sex were recorded along with any visual abnormalities. These measurements, observations, and photographs are presented in the Arcadis fish tissue collection report (Arcadis 2008a) that was submitted in accordance with the 2008 general scientific collection permit 4793 and dependent permits 4790, 4791, and 4792. A copy of this letter report is included as Appendix D to this OU-4 RI. Otoliths from bass and spines from catfish were removed and preserved in the event fish may be aged at a later date. All fish tissue samples were analyzed for PCB Aroclors, percent lipid, and mercury. Ten percent of the fish tissue samples were analyzed for a wider list of constituents including PCB homologs, PCB congeners, metals, and PCDD/DFs.

The PCB results for fish tissue samples collected under the CERCLA program are summarized on Figure 4-25 and in Table 4-25. The results on Figure 4-25 are presented as the average PCB concentration by species group and demonstrates a similar spatial trend as the other datasets with the highest concentrations detected in fish from the upper portion of Choccolocco Creek. This includes an average PCB concentration of 5.1 mg/kg at location HHFL-07. This average PCB concentration is based on the combination of the three species groups of bass, catfish, and panfish (i.e., crappie and sunfish) presented on Figure 4-25. The fish tissue PCB concentrations in the lowermost portion of OU-4 were significantly reduced, with average PCB concentrations at locations HHFL-01 and HHFL-02 both equal to 2.1 mg/kg. These two fish collection locations are downstream of Highway 77 where fishing is more likely to occur given access to the creek.

The average mercury concentrations in fish tissue for the nine fish collection locations are shown on Figure 4-26. These results demonstrate a similar trend in concentration, yet the highest concentrations were observed farther downstream and near where a series of permitted discharges from other parties enter the creek. In all cases, the average mercury concentration for each location, based on a grouping of all species, is less than 0.5 mg/kg.

There are multiple permitted dischargers to Choccolocco Creek and several representative examples are listed below.

- Lee Brass Foundry, LLC – Permit No. AL0003166
- NGC Industries Inc. – Permit No. AL0003930
- Oxford Tull C. Allen WWTP – Permit No. AL0058408
- Anniston CCWWTP – Permit No. AL0022195

Some of these permitted dischargers enter Choccolocco Creek in the general vicinity of where Coldwater Creek flows into Choccolocco Creek. Additionally, ADEM has identified atmospheric deposition as the source of mercury to Choccolocco Creek as part of including Choccolocco Creek on the list of impaired water bodies under Section 303(d) of the Clean Water Act (ADEM 2014).

4.4.3 Other Fish Tissue Sampling Programs

Historical fish tissue sampling within Choccolocco Creek was conducted by Bayne in 1996 and ADEM between 1993 and 2007. For the 1996 study by Bayne (Bayne 1997b), fish were collected from 13 sampling locations within Lake Neely Henry, Lake Logan Martin, and Choccolocco Creek. Only one station, Station 35, is currently within the boundary of OU-4 (Figure 4-17). Fish tissue samples were also collected by ADEM at three locations within the OU-4 portion of Choccolocco Creek—CHOC 1 (Station 35), CHOC 4, and CHOC 7—and are shown on Figure 4-17. A historical ADEM sampling station located 2 miles upstream of OU-4 (CHOC 10) is not shown on Figure 4-17. Historical fish tissue data for Choccolocco Creek show that the highest PCB concentrations are for samples collected from the upper reach of OU-4 with concentrations decreasing with downstream distance (BBL 1999a). The PCB fish tissue data for samples collected by Bayne (809 samples) and ADEM (191 samples) are summarized in Table 4-25 with the detailed data included in Appendix B.

Fish tissue PCB concentrations for samples collected at Station 35 from 1994 to 2016 are presented on Figure 4-27. Station 35 is located at the downstream end of OU-4, and the PCB concentration data are presented as the minimum, maximum, and average PCB concentration based on the year of sample collection and the generalized fish type (catfish, panfish, and bass). These data demonstrate a factor of 10 decline in PCB concentrations since 1994 and are consistent with the early source control actions taken in OU-1/OU-2 and OU-3. The decline in PCB concentrations with the passage of time is consistent with, and a continuance of, the measured decline in fish tissue PCB concentrations for the period before 1994 (BBL 1999a). Average fish tissue PCB concentrations in catfish, panfish, and bass have declined to below 1 mg/kg at Station 35 in 2016. An apparent increase in catfish PCB concentration for the 2014 collection year is driven by a single sample result (25 mg/kg). This result was associated with a catfish that was larger (29.5 inches) than the upper end of the allowable size range (24 inches)

specified in ADEM's standard operating procedures for fish tissue collection (ADEM 1996) When this sample result is not included, the average PCB concentration in catfish for 2014 is lowered from 5.1 mg/kg to 3.1 mg/kg and is consistent with the overall temporal PCB concentration trend at Station 35 over the past 20 plus years.

4.5 Groundwater Investigations

Extensive groundwater investigations conducted in OU-1/OU-2 have been documented in the OU-1/OU-2 RI Report (ENVIRON 2015). Given the proximity of the OU-4 study area to OU-1/OU-2, the work conducted, and the conclusions presented in the OU-1/OU-2 RI Report are a large part of the technical approach that was used for evaluating groundwater conditions within OU-4. A summary of groundwater investigations related to addressing groundwater impacts downstream of the Facility including OU-1/OU-2 and OU-4 is provided below. Well locations are shown on Figure 2-2.

4.5.1 OU-1/OU-2 Investigations

4.5.1.1 Initial Sampling

The OU-1/OU-2 FSP for nonresidential properties (BBL 2004b) was submitted in October 2004 and described the work to be conducted during the initial phases of sampling at nonresidential properties within OU-1/OU-2. The FSP proposed that a groundwater pathway investigation be conducted at those locations where PCBs attributed to releases from the Facility had been encountered below the surface soils (i.e., greater than or equal to 1 foot bgs or refusal) and at concentrations greater than or equal to 10 mg/kg.

4.5.1.2 Investigation of Potential Leaching of PCBs to Groundwater: Phase 1

After submittal of the *Preliminary Site Characterization Summary Report* [PSCSR] *for OU-1/OU-2* (Arcadis BBL 2007b) and discussions between USEPA and P/S technical personnel, P/S submitted a work plan that identified locations and procedures for installing and sampling wells within OU-1/OU-2 to investigate the potential for PCBs in soil to leach to groundwater (Golder 2008a).

In accordance with Addendum #3 (Golder 2008a), temporary monitoring wells T-08, T-09, T-10, T-11, and T-12 were installed and sampled in April 2008 at the following locations:

- Northside Properties: Four wells (T-08, T-09, T-10, and T-12) were installed on Solutia-owned property (i.e., Northside Properties) located adjacent to and north of the Facility. Wells T-09 and T-10 were installed to investigate downgradient impacts from the Facility (OU-3) at well OW-21A located on the north side of the Facility. Wells T-08 and T-12 were installed to monitor potential groundwater impacts from PCB-impacted residuals placed under a soil and synthetic cover.
- East of First Missionary Baptist Church: Well T-11 was installed on a Solutia-owned property located just east of the First Missionary Baptist Church where soil concentrations greater than 10 mg/kg had been identified in the 4-foot-deep sample at the location.

Results of groundwater sampling and testing for the five temporary wells installed in April 2008 were as follows:

- Northside Properties: Concentrations in wells T-08, T-10, and T-12 were less than the maximum contaminant level (MCL) for PCBs of 0.5 µg/L for both Aroclor and homolog group analyses. The Aroclor result for T-09 was nondetect, while the homolog group result was 1.04 µg/L. The detection at T-09 was attributed to impacts related to well OW-21A, a monitoring well associated with OU-3.
- East of First Missionary Baptist Church: Results for the sample from well T-11 indicated that total PCB concentrations exceeded the MCL. Therefore, well T-11 was sampled again in the fall of 2008. Reported results for Aroclors were less than detectable levels, and the total concentration of the homolog group was 10.4 µg/L, which was less than the concentration reported in April, but still greater than the MCL. These data show a possible association between low concentration PCB detections in groundwater and shallow floodplain soils containing lower chlorinated PCBs, as apparent at the location of well T-11 (Golder 2008b).

4.5.1.3 Investigation of Potential Leaching of PCBs to Groundwater: Phase 2

To determine whether the groundwater impacts noted at well T-11 were associated with a particular Aroclor distribution of PCBs in soil, a second phase of the investigation was implemented in August 2010. The previous review of soil data had been conducted to identify sample locations having Aroclor distributions similar to those found at the T-11 investigation location (Arcadis BBL 2007b). Although no locations closely matched the T-11 data, three of the closest distribution locations were identified. Therefore, additional temporary monitoring wells were installed at these locations (wells T-13, T-14, and T-15), and groundwater samples were collected for laboratory analysis. Both the Aroclor and homolog concentrations measured at these locations were less than the MCL. Therefore, it was concluded that low-level groundwater concentrations associated with floodplain soils appear to be limited to the T-11 area (*Report on Operable Unit 1/Operable Unit 2 Second Non-Residential Groundwater Investigation, Anniston PCB Site*; Golder 2010).

Well T-11 had been installed near a soil boring that showed a unique distribution of Aroclor concentrations when compared to other soil samples collected and analyzed at the Site. In the subsurface soil samples collected near well T-11, reported concentrations of total PCB Aroclors were 104 mg/kg and 251 mg/kg for the 2–3-foot bgs and the 3–4-foot bgs samples, respectively (location CA-05-8583-14). A significant portion of the PCB concentration for these samples was Aroclor 1232—representing 50% of the total concentration in the 2–3-foot bgs sample and 68% of the total concentration in the 3–4-foot bgs sample. Soil data with Aroclor 1232 detections were not found in any other soil sample from the OU-1/OU-2 data set (Arcadis BBL 2007b). Aroclor 1232 was only present in one floodplain soil sample for OU-4, and the PCB result for this Aroclor was low (0.48 mg/kg). The floodplain soil sample (C70247) was collected during the Off-Site RFI at location C-FP02-NI for the 0–6-inch horizon. The total PCB concentration for the sample based on the sum of detected Aroclors was 1.8 mg/kg.

4.5.2 Oxford Lake Park Investigation

USEPA decided to employ empirical data acquired during the OU-1/OU-2 groundwater investigation reports to inform plans to resolve any groundwater issues for OU-1/OU-2 and to guide decision making regarding groundwater assessment and restoration in OU-1/OU-2 and OU-4. This decision was based on discussions between USEPA and P/S on May 16, 2011,

regarding the results of the second groundwater investigation conducted in August 2010. USEPA noted that groundwater data were not available for downstream properties along Snow Creek or for properties near the confluence of Snow Creek and Choccolocco Creek. P/S agreed to review available soil data from OU-1/OU-2 and OU-4 to identify if additional locations were appropriate for supplemental groundwater investigations in OU-1/OU-2 and OU-4. The soil data review would include areas where IMs consisting of caps or covers had been installed and PCB residuals remain.

During the period of 2000 to 2004, a total of 1,116 soil samples were collected within these areas and evaluated to identify locations for additional groundwater monitoring wells. The samples evaluated were generally collected to a depth of no more than 48 inches. Criteria used to screen the soil data in order to select candidate investigation locations was based on soil sample data collected at the T-11 location and included the following:

- Samples collected within or near the 100-year floodplain
- PCBs detected in the deepest interval sampled
- The presence of lower chlorinated Aroclors
- A high percentage of the lower chlorinated Aroclors relative to the total PCB concentration (greater than 25% at a minimum)
- A minimum concentration of 5 mg/kg of a lower chlorinated Aroclor

A total of 16 sample locations within Oxford Lake Park generally met the above-listed criteria (with Aroclor 1248 representing the lower chlorinated Aroclor). None of the OU-4 soil data indicated detections of Aroclor 1232, which is consistent with the OU-1/OU-2 soil dataset.

The evaluation of available soil data identified suitable locations for installing additional groundwater monitoring wells downstream of and close to the area where Snow Creek flows into Choccolocco Creek. Previously collected data from the following locations were evaluated to identify potential locations for additional groundwater monitoring wells:

- The 111 & 114 Hall Street property at CA 26 in OU-1/OU-2
- The backwater area at CA C2N in OU-4
- Oxford Lake Park at CA 1 in OU-4
- Prime property at CA 1 in OU-4

Based on soil sampling data from the Oxford Lake Park location, a plan was developed to install two temporary monitoring wells proximate to the 16 soil locations (Golder 2011). The basis for this decision included elevated PCB concentrations in soil located near the groundwater table and adjacent to Snow Creek. None of the PCB soil results indicated that Aroclor 1232 was present in OU-4; thus, the decision was reached to install one well upstream of the OU-4 boundary (T-16) and one well downstream of the OU-4 boundary (T-17). Additional location information for these two temporary wells is as follows:

- Well T-16 at a location upstream of the OU-4 boundary on the southeast corner of the Hall Street property in OU-1/OU-2

- Well T-17 at a central location in Oxford Lake Park downstream of the OU-4 boundary

Wells T-16 and T-17 were analyzed concurrently as part of evaluating groundwater outside the OU-3 portion of the Site. Both locations were selected for evaluation due to the presence of elevated PCB concentrations in soils near the groundwater table, recognizing that T-16 is located in OU-1/OU-2 and that T-17 is located in OU-4. For location T-16, PCBs in soils were detected from samples collected up to 8 feet bgs, and the highest PCB concentration was 116 mg/kg for a sample collected from the 3–4-foot horizon (ENVIRON 2015). PCBs were not detected in the groundwater samples collected from T-16 (ENVIRON 2015). For location T-17, PCBs in soils were detected up to 4 feet bgs, and the highest PCB concentration (460 mg/kg) was measured from the 1–2-foot horizon. Groundwater samples collected at T-17 were nondetect for PCBs. Additional details for the investigations conducted for T-17 are provided below since T-17 is located in the OU-4 portion of the Site.

4.5.2.1 Investigation Procedures

In January 2012, temporary monitoring well T-17 was installed. On January 10, 2012, soil samples were collected at 1-foot vertical depth intervals from ground surface to 4 feet bgs at the well T-17 location. Samples were analyzed for PCBs using USEPA Method 8081A/8082 for Aroclors and USEPA Method 680 for homologs (Golder 2012).

On January 25, 2012, a drilling pad was constructed prior to well installation to minimize cross-contamination of constituents from the impacted surface soil to deeper locations during installation of the monitoring well. The pad was constructed by excavating soil to a depth of 4 feet bgs within an approximate 5-foot by 5-foot area and the excavated area was backfilled with clean soil to create the drilling pad. The excavated soil was staged in roll-off containers and analyzed for PCBs. The soils were subsequently transported for disposal to the TSCA-approved Chemical Waste Management landfill.

Temporary monitoring well T-17 was drilled and installed using rotosonic drilling methods. The rotosonic drill rig advanced an outer casing that was vibrated down into the formation while a bentonite grout mixture was pumped under pressure into the small annular space on the outside of the casing. This process sealed off the formation in the upper borehole, allowing for representative soil and groundwater sampling at greater depths.

After the casing was set, the core barrel was advanced ahead of the outer casing for sample collection. Continuous core samples were collected from 4 feet bgs (i.e., below the recently constructed fill) to the total depth of the well at 14 feet bgs. The core samples were logged for lithologic determination. One sample was collected from the proposed screened interval of 3.5 to 13.5 feet bgs for grain size distribution and TOC analyses by the Walkley Black Method.

Soil lithology was logged to document the presence or absence of fill material and determine the depth to the water table. From ground surface to 9 feet bgs, the lithology was observed to be a brown silty sand/sandy silt with saturation beginning at approximately 5 feet bgs. An organic debris layer was observed at 9 feet bgs. From 9 feet bgs to the termination depth at 14 feet bgs, a medium gravel with gray/brown silty sand was observed. The gravel content increased with depth, becoming fine-to-coarse sand and medium-to-coarse gravel from 10 feet to 14 feet bgs.

The installation depth for well T-17 was based on the depth to the water table as determined by field observations made and recorded at the time of installation. The monitoring well screen was installed to a depth of approximately 13.5 feet bgs. The well was constructed of 2-inch-diameter, flush-threaded Schedule-40 polyvinyl chloride (PVC) casing and 0.010-inch slotted Schedule-40 PVC screen. The well screen was 10 feet long and had a filter pack constructed around it consisting of 20/30 grade silica sand with less than 2% flat particles. The sand was tremied from the bottom of the borehole to approximately 1 foot above the top of the screened interval. Sodium bentonite (100%) pellets were used to construct a seal above the sand filter pack. The bentonite seal extended 1 foot above the top of the filter pack. The bentonite was allowed to hydrate for a minimum of 8 hours prior to continuing well construction activities. A grout mixture of 5% bentonite powder and 95% Portland cement was used to fill the annular space between the PVC riser section and the borehole. The well was completed flush to the ground surface by constructing a concrete pad (3-foot by 3-foot by 6-inches thick) around the well, which sloped away from the well to provide drainage. An expandable locking well cap was placed in the top of the riser.

On February 21, 2012, groundwater samples were collected from temporary monitoring well T-17 in accordance with the Revised Addendum #4 (Golder 2011), the Site-Wide QAPP (Arcadis 2008b), and USEPA low-flow (minimal drawdown) groundwater sampling procedures (USEPA 1996). A field duplicate and an equipment blank sample were also collected. Laboratory analyses were conducted using USEPA Method 8081A/8082 for Aroclors and USEPA Method 680 for homologs. Both filtered and unfiltered samples were analyzed. Filtered samples were collected using 0.1-micron and 2.0-micron filters.

4.5.2.2 Investigation Results

Soil: Total Aroclor concentrations in soil samples collected at T-17 ranged from 28 to 460 mg/kg, and homolog concentrations ranged from 21 to 360 mg/kg; the only Aroclors detected were PCB-1254 and PCB-1260 (Table 4-26). The homolog distribution included trichlorobiphenyl through decachlorobiphenyl. Dichlorobiphenyl was only detected in one sample (the sampled collected in the 3- to 4-foot-bgs interval), and that detection was at a minimal concentration of 0.1 mg/kg. The dominant homolog groups detected were tetrachlorobiphenyl, pentachlorobiphenyl, and hexachlorobiphenyl (Table 4-26). When the results obtained from the Aroclor method were compared to the homolog method, relative percent difference between the methods was less than 50%, indicating acceptable agreement between methods. The Aroclor method results were slightly greater for all samples analyzed.

Groundwater: Groundwater results were less than the respective detection limits for Aroclors and homologs for all samples analyzed (Table 4-27). Based on these results, USEPA and P/S confirmed the hypothesis that leaching to groundwater will only potentially occur in instances where lower chlorinated PCBs are found in soil at depth and in proximity to the water table. Soil concentrations within OU-1/OU-2 and OU-4 have been well-characterized indicating that the T-11 groundwater well, located in OU-1/OU-2 area, is unique with regards to its soil Aroclor distribution and resulting groundwater impacts.

4.5.3 Residential Well Identification and Sampling

P/S and USEPA agreed to apply the procedures and decision process defined in the NTC Removal Agreement to residential use areas in OU-4, including soil sampling and associated removal actions. A total of 34 residential use areas were identified in OU-4, and the properties

were sampled using the 5-point composite sampling method. P/S evaluated the soil data collected using the T-11 criteria described in the previous section. The soil data collected from these properties included results from one property (Parcel 600117) with detections of lower chlorinated Aroclors (Aroclor 1221) in two separate samples. However, other than being within the 100-year floodplain and containing a lower chlorinated Aroclor, the remaining T-11 criteria were not met for these two sample locations (detections at depth, minimum concentration of greater than 5 mg/kg of the lower chlorinated Aroclor, and the lower chlorinated Aroclor comprising greater than 25% of the total concentration). The 34 properties sampled under the program were visually surveyed to identify the presence of private drinking water wells. Wells were identified on two of the properties: 96 and 276 Champion Lane in Eastaboga, Alabama.

The private wells from the two properties located on Champion Lane were sampled on December 6, 2012, at the locations shown on Figure 2-2 (Genesis 2013b). The two wells were sampled in accordance with USEPA Science and Ecosystem Support Division (SESD) Operating Procedure Potable Water Supply Sampling SESDPROC 305-R1 (USEPA 2007a). Samples were collected from the nearest collection point to the well and analyzed for Aroclors using USEPA Method 8082, total PCBs by homolog groups using USEPA Method 680, and mercury using USEPA Method 6020A. No PCBs or mercury were detected in either sample (Table 4-27).

4.6 Ecological Investigations

OU-4 is the most geographically expansive of the three OUs delineated at the Anniston PCB Site. It encompasses the majority of potentially suitable habitat for ecological receptors and includes a variety of distinct habitats. Ecological investigations were conducted for OU-4 between 1996 and 2010. The following primary ecological investigations, each building upon the previous, have been conducted in OU-4.

1. Bayne Water Quality and Biological Study – This study was conducted in 1996, and results were initially reported in the study entitled *Intensive Water Quality and Biological Study of Choccolocco and Snow Creeks, Coosa River Basin* (Bayne 1997a).
2. Off-Site RFI Habitat and Biological Assessment – The methods for this assessment were detailed in the Supplemental Off-Site RFI Work Plan (BBL 1999a). The work was conducted in 1999. The results were initially reported in the Off-Site RFI Report (BBL 2000a).
3. Off-Site RFI Phase 2 Floodplain Surveys – The methods for these surveys were detailed in the Phase 2 RFI/CS (BBL 2000b), and the work was conducted in 2001 and 2002. Results from these surveys were summarized in the Phase 1 CSM (BBL 2003) and presented in more detail in the *Data Summary Report for Operable Unit 4 Anniston PCB Site Revision 1* (OU-4 DSR; BBL 2005a).
4. Phase 1 Ecological Surveys – The methods for these surveys conducted under the CERCLA program were detailed in the OU-4 Phase 1 FSP (BBL 2006a), and the work was conducted in 2006 and 2007. Results from these surveys were presented in the OU-4 Phase 1 ESR (Arcadis BBL 2007a). The survey work also included supplemental efforts in spring of 2008 that focused on reptiles and amphibians based

on limited observations made during the 2006 and 2007 surveys (supplemental Phase 1 ecological surveys).

5. Phase 2 Biological Sampling – The methods for this sampling program conducted under the CERCLA program were detailed in the OU-4 Phase 2 FSP (Arcadis 2010c), and the data were collected in 2009 and 2010. Results from this sampling program are presented in Section 4.6.2 of this document.

Work from the five ecological investigations included habitat assessments and ecological surveys of vegetation, benthic macroinvertebrates, fish, reptiles, amphibians, birds, and mammals. In addition to the habitat and survey data collected, terrestrial and aquatic biotic tissue samples were collected for chemical analysis. The types of data collected and the associated study in which the data were collected are summarized in Table 4-28. The rationale, activities performed, and the resulting data from the habitat-related investigations are summarized in Section 4.6.1, and the results for the chemical analysis of biological samples are presented in Section 4.6.2. Additional details for the habitat evaluation and the chemical sample results are provided in the OU-4 BERA (Arcadis 2016), which is Appendix J to this OU-4 RI.

4.6.1 Habitat and Population/Community Evaluations and Results Summary

An overview of the habitat-related investigations, including those conducted prior to the RCRA Program (i.e., Bayne), those conducted as part of the RCRA program, and those conducted as part of the CERLA program, is provided in Section 4.6.1.1. A results summary for these investigations is provided in Section 4.6.1.2. Further details for these investigations and the associated results are provided in the OU-4 BERA, which is included as Appendix J to this OU-4 RI.

4.6.1.1 Habitat-Related Investigations

Habitat studies conducted within OU-4 that focused on instream habitats and species include the water quality and biological study conducted in 1996 by David Bayne (Bayne 1997a) and the Off-Site RFI habitat and biological assessment conducted in 1999 (BBL 2000a). The sampling location for these two habitat investigations are shown on Figures 4-28a and 4-28b. The initial habitat work conducted under the RCRA program was focused on the aquatic habitat quality as measured by water quality parameters and the health of the benthic community. After completion of this work, a need was identified to further delineate instream and riparian habitat, as well as to assess the nature and quality of the associated floodplain habitat. To address this need, the Off-Site RFI Phase 2 floodplain surveys were conducted in 2001 and 2002. The habitat and biotic species survey work during the 2001/2002 surveys focused on the riparian and floodplain habitat areas along Choccolocco Creek, and the observations are reported in the OU-4 DSR (BBL 2005a). The Site was subsequently transferred from the RCRA process under ADEM to the CERCLA process under USEPA. Following review of the historical data under the CERCLA process, it was concluded that additional site-specific aquatic and terrestrial habitat and species characterization was needed to support development of the OU-4 BERA. Therefore, in 2006 and 2007, habitat and species surveys focusing on terrestrial and aquatic habitats and their resident biological communities were conducted as part of the Phase 1 ecological surveys and reported in the OU-4 Phase 1 ESR (Arcadis BBL 2007a). The Phase 2 biological sampling was conducted under the CERCLA program to support the OU-4 BERA and is discussed in Section 4.6.2. Figures 4-29a through 4-29n show the sample and transect locations from each of these studies

within OU-4. Figure 4-29a provides a key to the specific areas covered on each of the subsequent maps. Three ecological reference locations (Figures 4-30a, 4-30b, and 4-30c) were identified during the Phase 1 surveys, and biological sampling of these three reference areas was conducted during Phase 2.

4.6.1.2 Habitat Summary

The aquatic and terrestrial habitats and biotic communities within OU-4 were evaluated extensively between 1996 and 2010. For the aquatic habitat, the habitat assessment and benthic macroinvertebrate community evaluations conducted during the Bayne (1997a) study and for the BBL (2000a) assessment indicate that there is no significant widespread impairment in Choccolocco Creek. Overall, habitat quality along Choccolocco Creek was found to be better in areas downstream of Snow Creek than upstream, as measured by habitat attributes such as riparian land use, substrate characteristics, and surface water flow. The habitat characterization data collected in 2001/2002 provide information regarding the locations of these and other specific attributes that are indicative of habitat quality. Overall, most of the locations analyzed in Choccolocco Creek indicate a functional ecology typical of small, slow-flowing creeks with a few exceptions where channel alterations and the influences of urbanization and agriculture have resulted in unsuitable habitat. Observations of aquatic species use of the creek during the Phase 1 ecological surveys also support that a variety of aquatic receptors use the creek and that higher diversity and abundance of benthic macroinvertebrates and fish were observed in areas of higher quality habitat attributes such as riffle and EAV.

In the floodplains along Choccolocco Creek and Snow Creek within OU-4, habitat delineation and assessments conducted during the Off-Site RFI Phase 2 floodplain surveys illustrate that these areas are comprised of a mix of second growth forest and human-maintained areas. The distribution of these habitat types is relatively consistent throughout most of OU-4, with the exception of the stretch of mostly forested floodplain from RM 19 through RM 23 (Figures 4-29i and 4-29j). Here, bank slopes are extremely steep, and the corresponding floodplain is narrow. Species and habitat observations made during the Phase 1 ecological surveys show that wildlife use of the different habitat types is variable depending on specific feeding strategies for different species and seasonal variations. Seasonal observations in the creek indicate that rainfall has a strong influence on wildlife use of the creek and the riparian area due to areas that are submerged from rising water levels and changes in water turbidity and temperature.

Based on these observations within the OU-4 portions of Choccolocco Creek and Snow Creek, habitat quality and the ecology have been impacted by human activities, including urbanization, agriculture, silviculture, grazing, and industrial pollution. The potential sources of pollution include a wide range of industries located within, upstream, and upwind of OU-4 that may have contributed contaminants, including PCBs, mercury, PCDD/DFs, and multiple metals other than mercury, to OU-4. Despite the impacts associated with human activities, including industrial pollution, there are portions of OU-4 that have valuable aquatic and riparian habitat; nevertheless, the presence of valuable habitat does not mean that contaminants have had no effect on the habitat.

4.6.2 CERCLA Phase 2 Biological Sampling

The field investigations that were conducted to support the OU-4 BERA were implemented in two separate phases. The first phase of investigative efforts was focused on evaluating habitat conditions and identifying species over four different seasons (summer, fall, winter, and spring).

The Phase 1 investigations results were presented in OU-4 Phase 1 ESR (Arcadis BBL 2007a) and were used in part to plan the Phase 2 investigations. This second phase of investigation was focused on sampling and analytical chemistry to evaluate constituent concentrations in surface water, sediment, soil, plants, and a range of terrestrial and aquatic organisms. These sampling and analytical chemistry results were used to estimate ecological risks in the OU-4 BERA and OU-4 BERA Addendum. The conceptual approach for the Phase 2 biological sampling for OU-4 was described in the OU-4 Phase 2 FSP (Arcadis 2010c) and incorporated information from previous studies and surveys conducted within OU-4. The following were the primary objectives of the Phase 2 biological sampling:

- Build on the findings presented in the OU-4 Phase 1 ESR (Arcadis BBL 2007a)
- Fill data gaps
- Provide some temporal perspectives relative to the previous studies to provide a framework to assess the following:
  - Community structure
  - Food web dynamics
  - COPC body burdens in biological organisms (i.e., target species representative of various trophic levels within the food web) in key aquatic and terrestrial habitats associated with Choccolocco Creek and its floodplain

The ultimate goal of the Phase 2 sampling was to complete the ecological datasets needed to conduct the OU-4 BERA and FS and use available data to refine the preliminary CSM and baseline problem formulation. Specifically, Phase 1 observation results and earlier surveys were used to identify habitat types and biota present in aquatic and terrestrial systems within OU-4 and reference areas. This included the conclusion from the OU-4 Phase 1 ESR that while the three ecologically differentiable reaches (EDRs) were generally similar in terms of habitat heterogeneity and species composition, they were not ecologically distinguishable (Arcadis BBL 2007a). For the purposes of presenting results from the OU-4 Phase 1 ESR, EDRs 1, 2, and 3 were renamed as the upper assessment area (UAA), middle assessment area (MAA), and lower assessment area (LAA), respectively. The three assessment areas are described below:

- UAA – Includes the Choccolocco Creek backwater area from approximately one mile upstream of the Snow Creek confluence to Silver Run Road, where the floodplain influence of Coldwater Creek ends.
- MAA – Includes the area from Silver Run Road (where the floodplain influence of Coldwater Creek ends) downstream to approximately mile marker 19.5 where the floodplain rapidly expands.
- LAA – Includes the area from mile marker 19.5 where the floodplain rapidly expands, downstream to Jackson Shoals.

Three reference areas—Choccolocco Creek (Ref-1), Cheaha Creek (Ref-2), and Talladega Creek (Ref-3)—were also chosen for sampling based on the ecological survey results. All three reference areas were located outside of OU-4 and were used for defining reference conditions. While these stations are referred to as reference stations, their remote locations and

disconnection from urban runoff and WWTP discharges limits their ability to serve as true aquatic reference stations for OU-4. The terrestrial portions of the reference stations are generally similar to the combined agricultural and forested conditions characterized by the OU-4 floodplain. These data were used to select the types of receptors for tissue sampling in Phase 2.

In addition, the soil and sediment analytical results for the full range of chemical constituents measured in the Phase 1 sampling were evaluated in the OU-4 Phase 2 FSP relative to conservative screening levels (Arcadis 2010c). This evaluation, in conjunction with input and recommendations from USEPA, was used to identify the select analytes to measure in tissue samples collected during the Phase 2 biological sampling.

The Phase 2 program included collecting and analyzing tissue samples from various organisms within the food web for PCBs and mercury. PCBs were measured as Aroclors or homologs when small sample sizes precluded Aroclor methods. In addition, 10% of the tissue samples collected were analyzed for 10 metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, manganese, nickel, and vanadium), PCB homologs (when Aroclors methods were the primary method), mono- and non-ortho-substituted congeners, and PCDD/DFs.

4.6.2.1 Refinement of the CSM and Initial Assessment and Measurement Endpoints

The interactions of ecological exposure and the relationships between stressor and ecological effects were defined through a food web and a CSM (Figures 4-31 and 4-32, respectively). As part of the Phase 1 findings, the ecological receptor food web model and CSM were refined based on community observations. The food web model (Figure 4-31) includes several trophic levels and feeding guilds of receptors exposed to sediment, soil, and water. General classes of prey items and receptors include invertebrates, detritus, plants, herbivores, omnivores, invertebrate feeders, carnivores, and piscivores within the aquatic and terrestrial ecological communities of OU-4. The CSM identified the sources, release mechanisms, primary and secondary exposure media, and exposure routes to aquatic and terrestrial ecological receptor groups (Figure 4-32). Within Choccolocco Creek, potentially complete exposure pathways exist for aquatic plants, benthic invertebrates, and fish with sediment and surface water being the primary exposure routes.

Within the surrounding floodplains of Choccolocco Creek, potentially complete exposure pathways exist for terrestrial plants and soil invertebrates. Terrestrial plants have direct contact with sediment, surface waters, and/or floodplain soils. Soil invertebrates have direct contact, incidental, and direct ingestion of floodplain soils. Birds, mammals, amphibians, and reptiles have potentially complete exposure pathways for direct contact and incidental and direct ingestion of sediment, surface water, and soil. This information was used to formulate assessment endpoints (AEs) with corresponding risk questions that are used to identify measurement endpoints (MEs) for each target ecological receptor in the CSM for the BERA.

Seven AEs were defined for the survival, growth, and reproduction of the respective aquatic and terrestrial receptor communities found within OU-4. Risk questions and their associated MEs were used to identify risk analysis plan needs for each AE receptor and community. Based on the specific AEs and risk questions, MEs consisted of the following:

- Comparisons of COPCs in exposure media to relevant benchmarks and/or literature-based toxicity reference values (TRVs) for survival, growth, or reproduction

- Body burdens of COPCs as compared to reference area(s) body burdens and literature-based TRVs as available
- Evaluation of condition, community structure, and habitat suitability, as a secondary LOE

Individual risk questions (as testable hypotheses) and associated measures of effect for each AE from the *OU-4 Baseline Problem Formulation* (BBL 2006c) were further refined following submittal of the baseline problem formulation, including the use of community data proposed by P/S as a secondary LOE recognizing that the presence of species does not demonstrate that those species are healthy.

4.6.2.2 Use of Nature and Extent Data

A number of investigations have been conducted within OU-4 to understand the nature and extent of PCBs and other possible COPCs within various environmental media. Nature and extent data include analytical results of constituents in floodplain soil (Section 4.1), sediment (Section 4.2), surface water (Section 4.3), and fish tissue (Section 4.4). These data indicate a gradient in PCB concentrations in some environmental media: PCB concentrations in sediment and floodplain soils are generally higher in the UAA, which is farthest upstream, and lower in the MAA and LAA.

The Phase 2 biological sampling program was structured around three assessment areas that reflect downstream distance from Snow Creek (and associated backwater areas in Choccolocco Creek) to Lake Logan Martin. Within each of the three assessment areas (formerly referred to as EDRs), representative biological sampling areas (BSAs) for aquatic and terrestrial habitats were selected. The selection process was based on the following information:

- Historical habitat analysis and community findings from the Phase 1 ecological surveys
- Spatial consideration of the potential exposure COPC concentration gradient
- Balance of landowner access with habitat suitability for both aquatic and terrestrial locations to allow reasonable and efficient means to achieve the sampling program

Reference areas were selected during the Phase 1 surveys and used during the Phase 2 program. Figures 4-33a through 4-33j show the locations of each of the aquatic and terrestrial BSAs. Based on this approach, the nature-and-extent information was used in conjunction with the results of the Phase 1 ecological survey to develop the Phase 2 study design, which targeted dominant organisms found within representative habitat types and across a COPC concentration gradient. Additional details of the terrestrial and aquatic tissue study design, data collection, and results for Phase 2 are provided in the following sections.

4.6.2.3 Terrestrial Tissue Data Collection and Results

This section summarizes the conceptual study design, data collection, and results for terrestrial plants, soil macroinvertebrates (e.g., earthworms and grasshoppers [*Celifera*]), and small mammals. Each target tissue type was identified based on the target receptors selected to represent the refined AEs (Table 4-29) and their associated prey, based on the refined food web (Figure 4-31). Terrestrial tissue collection targeted dominant species within each habitat type that

would be most representative of the known foraging habits and dietary composition of the identified upper-trophic-level receptors (e.g., birds and mammals) found within OU-4.

Based on habitat study results presented in the OU-4 DSR (BBL 2005a) and the OU-4 Phase 1 ESR (Arcadis BBL 2007a), three major nonaquatic habitat types were identified within OU-4: forested floodplain, maintained fields, and successional fields. In support of the diversity of terrestrial floodplain receptor groups and their associated habitats, the tissue collection design targeted each of these three habitat types within each of the OU-4 ecological exposure areas and applicable reference areas. All terrestrial tissue samples were collected in September 2009. The targeted number of samples proposed for each terrestrial tissue group for Phase 2 was as follows:

- Plants were to be collected from 3 sample locations within each of the 3 habitats surveyed per assessment areas. Two samples were proposed to be collected at each location, resulting in 18 total samples per assessment area; 54 total samples within OU-4, and 18 reference samples (14 actual samples were collected from reference areas).
- Soil macroinvertebrates were to be collected from 1 sample location within each of the 3 habitats surveyed per assessment area. Three samples were proposed to be collected at each location, resulting in a total of 9 samples per assessment area; 27 samples within OU-4, and 9 reference samples.
- Small mammals were to be collected from 2 sample locations within each of the 3 habitats surveyed per assessment area. Three samples were proposed to be collected at each location, resulting in 18 total samples per assessment area (actual samples collected ranged from 11 to 17); 54 total samples within OU-4 (44 actual samples were collected), and 18 reference samples (10 actual samples collected). Abundance of small mammal species and habitat quality among the different BSAs were factors that limited the success of the tissue collection efforts.

A summary of terrestrial tissue data collection is presented in Table 4-30. Detailed results for PCBs in all terrestrial tissue types are presented in Table 4-31. Mercury results are presented in Table 4-32, and data for other metals are presented in Table 4-33. Table 4-34 includes data for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) TEQs.[4] Appendix F to the OU-4 BERA that is included in Appendix J to this OU-4 RI provides summary statistics and box plots for each tissue type, assessment area, and COPC.

Terrestrial Plants – Data Collection

The target plant species for sampling included dominant grasses and fruit bearers to support quantifying direct exposure and food web exposure for the various modeled receptors. In addition to the tissue collections, the overall vegetative community was characterized to detail the dominant vegetation observed at the time of collection within each BSA within OU-4 and

[4] TEQs were calculated using avian, mammalian, and fish toxic equivalency factors (TEFs). Values were calculated using two separate approaches for results reported as nondetect. This includes using 0 for the nondetect value and, separately, using one-half reporting limit for congeners not detected. TEQs were calculated for dioxin/furan congeners, PCB mono- and non-ortho substituted congeners, and for both sets combined. For the purposes of this discussion, all TEQ concentrations discussed are based on 0 for nondetect values, mammalian toxicity equivalency factors and dioxin/furan TEQs only. The full set of calculations is provided in Tables 4-34 and 4-42.

reference sites. Tissue body burdens were used in the OU-4 BERA to estimate a modeled dietary (i.e., ingestion) exposure using raccoon, whitetail deer, eastern cottontail, deer mouse, blue jay, mourning dove, and wood duck as ecological receptors.

Within each BSA, two plant-tissue composites were collected for edible portions of the plant species. Efforts were made to keep the species of plant-tissue composites consistent across habitat types within each assessment area. The Phase 2 tissue collection resulted in a total of 24 different plant species being collected across the OU-4 and reference location BSAs. The plant species included 9 grass species (e.g., yellow foxtail), 8 herbaceous plant species (e.g., pokeberry), 5 shrub species (e.g., elderberry), and 2 cultivated species (soy beans [Glycine] and cotton [Gossypium]). All 54 plant-tissue composite samples were collected within the individual OU-4 BSAs for a total of 18 samples from each habitat type across each of the 3 assessment areas. Based on the habitat found within the 3 reference areas, 7 reference area BSAs were established, consisting of 3 successional field habitats, 2 suitable forested floodplains, and 2 maintained fields. Based on this change, a total of 14 plant-tissue composite samples were collected within the 7 reference BSAs.

Based on the timing of collections, edible portions of target plant species consisted of stems, leaves, seeds, fruit, and the entire plant. Observations of wildlife browsing, relative dominance in habitat, and literature-based foraging value of individual plant species were used during sampling to provide a suitable level of plant diversity that would satisfy the terrestrial receptors identified in the refined food web and CSM.

Terrestrial Plant - Results

In general, COPCs were detected infrequently in terrestrial plants, and there were only slight differences between OU-4 and reference area samples. PCBs were detected infrequently in terrestrial plants within OU-4 (3 of 54 samples) and were not detected in reference area plants. One PCB detect was in the UAA at a concentration of 0.033 mg/kg. The two remaining PCB detects were found in the MAA at concentrations of 0.078 mg/kg and 0.049 mg/kg (Table 4-31 and Figure 4-34). To measure potential total ingestion by upper-trophic-level receptors, terrestrial plant samples were not washed prior to analysis; therefore, measured concentrations may reflect soil or dust on the exterior of the leaves rather than uptake into plant tissues.

Mercury was detected in only 2 of 54 terrestrial plant samples within OU-4 (in the MAA) at concentrations of 0.011 mg/kg and 0.015 mg/kg. Mercury was also detected in 2 of 14 reference plant samples in Ref-2 at concentrations of 0.025 mg/kg and 0.015 mg/kg. Concentrations are similar between the MAA and ERT-02 (Table 4-32).

Seven samples (two in the UAA, one in the MAA, three in the LAA, and one in ERT-02) were analyzed for additional metals. Metals in terrestrial plants are generally not elevated compared to the reference area result (Table 4-33), and some metals (e.g., nickel and vanadium) were higher in the reference location (labeled as ERT-02-MF2 in table) than in OU-4 assessment areas. No concentration gradients are apparent from upstream to downstream. Comparisons among assessment areas and between OU-4 and reference areas for metals are uncertain due to the limited dataset.

Three samples were analyzed for PCDD/DFs: one in the UAA and two in the MAA. The UAA sample TEQ concentration is 0.000054 micrograms per kilogram (µg/kg), and the two MAA

samples have TEQs of 0.00083 µg/kg and 0.00024 µg/kg (Table 4-34). PCDD/DFs were not analyzed in reference area plant samples.

Soil Macroinvertebrate – Data Collection

Soil macroinvertebrate collection targeted various orders of ground-dwelling insects and invertebrates. Phase 1 survey results indicate limited abundance of soil invertebrates, based on pitfall trap and hand collection results. Target species for sampling were earthworms and orders of ground-dwelling insects and invertebrates to support quantifying direct exposure to invertebrates as well as food web exposures for the various upper-trophic level-receptors. Tissue body burdens were used in the OU-4 BERA to compare to available literature thresholds and to model dietary exposure to short-tailed weasel (*Mustela erminea*), raccoon, deer mouse, short-tail shrew (*Blarina brevicauda*), blue jay, Carolina wren (*Thryothorus ludovicianus*), and spotted sandpiper (*Actitis macularius*).

Within each BSA, three tissue composites were targeted for collection. Efforts were made to keep the species of soil-invertebrate-tissue composites consistent across habitat types within each assessment area. The Phase 2 tissue collection resulted in 32 earthworm, 1 soil grub (Coleoptera), and 24 grasshopper/cricket (Gryllidae) tissue composite samples collected across the OU-4 and reference location BSAs. A total of 26 earthworm and 1 soil-grub-tissue composite samples were collected within the individual OU-4 BSAs to encompass 9 samples from each habitat type across each of the 3 assessment areas. Based on the habitat found within the three reference locations and abundance of earthworm tissue, one tissue composite was collected in three BSAs representing each of the habitat types: forested floodplain, successional field, and maintained field. This resulted in a total of nine earthworm-tissue composite samples collected within the reference BSAs.

Grasshoppers (and katydids [Tettigoniidae]) were collected during the Phase 2 sampling activities to specifically address agency concerns and supplement the food web model with prey organisms that are abundant, but not associated specifically with the soil. A total of 18 grasshopper and katydid tissue composites were collected within the successional field and maintained field BSAs of OU-4. This included three composites being collected from each representative habitat type per assessment in OU-4. Three grasshopper and katydid tissue composite samples were collected at a successional field BSA at ERT-01 and a maintained field BSA at ERT-02.

Soil Macroinvertebrate - Results

PCBs were not detected in any of the 18 terrestrial insect samples collected within OU-4 or in any of the 6 reference area samples. PCBs were detected in 16 of 27 earthworm samples from OU-4. PCB concentrations in earthworms range from nondetect to 23 mg/kg with an average concentration of 7.1 mg/kg in the UAA. In the MAA, PCB concentrations ranged from nondetect to 2.5 mg/kg with an average concentration of 0.52 mg/kg, and, in the LAA, PCB concentrations ranged from nondetect to 2.3 mg/kg with an average concentration of 0.94 mg/kg (Table 4-31 and Figure 4-34). These data are consistent with the gradient of soil concentrations measured (e.g., mean concentrations in the UAA are higher than the mean concentrations for the MAA and LAA). PCBs were not detected in the reference area earthworm samples.

Mercury in terrestrial insects ranged from nondetect to 0.011 mg/kg with an average concentration of 0.0070 mg/kg in the UAA and was not detected in soil insects in the MAA, LAA, or reference areas. Mercury was detected in all earthworm samples within OU-4 and the

reference areas. Mercury concentrations in worms within OU-4 were variable among the assessment areas and were generally higher than mercury concentrations from reference areas. UAA had the highest mercury concentrations. Mercury concentrations in earthworm samples from the UAA ranged from 0.020 to 2.4 mg/kg with an average concentration of 1.0 mg/kg. Mercury concentrations in earthworms from the MAA ranged from 0.20 to 0.98 mg/kg with an average concentration of 0.38 mg/kg, and, in the LAA, mercury concentrations ranged from 0.030 to 1.1 mg/kg with an average concentration of 0.48 mg/kg. Concentrations in the reference areas ranged from 0.052 to 0.13 mg/kg with an average concentration of 0.084 mg/kg. Mercury concentration results are presented in Table 4-32.

Two grasshopper samples collected within the UAA and LAA were analyzed for additional metals. The additional metal concentrations in grasshopper samples were generally low relative to other tissue types. Additional metals analysis was not conducted for terrestrial insects collected from reference areas. Five earthworm samples (one in the UAA, two in the MAA, one in the LAA, and one in reference area) were analyzed for additional metals. Concentrations of all additional metals are elevated to varying degrees relative to the single reference sample, with one sample in the MAA (EMT01-SF2) having the highest concentrations (Table 4-33). PCDD/DFs were not analyzed in earthworms or terrestrial insects.

Terrestrial Small Mammals – Data Collection

Based on the Phase 1 survey results, the primary species of small mammals targeted for collection in Phase 2 were deer mouse, cotton mouse, harvest mouse, and hispid cotton rat. These were considered to be representative of small mammal receptors in OU-4 as well as dietary components within the food web model for upper-trophic-level species. Data on small mammal tissue body burdens were used in the OU-4 BERA to compare to available literature toxicity thresholds and to model dietary exposure to short-tailed weasel and red-tailed hawk (*Buteo jamaicensis*).

Within each BSA, two individual tissue and/or composite samples were targeted for collection. Efforts were made to keep the species small mammal tissue samples consistent across habitat types within each assessment area. The Phase 2 tissue collection included a total of 54 individual small mammal samples collected across the OU-4 and reference location BSAs. The targeted sample size of 54 individual small mammal samples within the 27 BSAs of OU-4 was not fully realized, as only 44 individual small mammal samples were collected. Abundance of small mammal species and habitat quality of the different BSAs were both factors that limited the success of the tissue collection efforts. Forested floodplain BSAs produced the targeted sample size of 18, while successional field BSAs yielded 15 samples, and maintained field BSAs yielded 11 samples. Within the 3 OU-4 assessment areas, the overall small mammal tissue samples included 16 from the UAA, 11 from the MAA, and 17 from the LAA. The small mammal species collected in OU-4 BSAs were white-footed mice, deer mice, cotton mouse, eastern harvest mouse, hispid cotton rat, short-tail shrew, and pine vole (*Microtus pinetorum*). Based on small mammal abundance in certain BSAs, short-tail shrew and pine vole were collected in addition to the targeted species from Phase 1 survey results.

Ten individual small mammal samples were collected within the seven reference location BSAs. Abundance of small mammal species and habitat quality limited the success of the tissue collection efforts. Forested floodplain BSAs produced three samples, successional field BSAs yielded four samples, and maintained field BSAs yielded three samples. The small mammal

species collected within the reference location BSAs were cotton mouse, eastern harvest mouse, and hispid cotton rat.

Terrestrial Small Mammal - Results

PCB concentrations were detected in 30 of the 44 small mammal samples from OU-4. Detected PCB concentrations were similar across all three assessment areas. There were 14 detected concentrations in the UAA, and there were 8 detected concentrations in both the MAA and the LAA. PCB concentrations in the UAA ranged from nondetect to 4.3 mg/kg with an average concentration of 0.90 mg/kg. In the MAA, PCB concentrations ranged from nondetect to 6.5 mg/kg with an average concentration of 0.92 mg/kg, and, in the LAA, PCB concentrations ranged from nondetect to 12 mg/kg with an average concentration of 1.2 mg/kg. The elevated PCB concentration for this one sample in LAA appears anomalous as the other small mammal samples collected from this area had a PCB concentration that was lower by an approximate factor of 5 (2.2 mg/kg). The worm sample PCB results for this sample location (ELT-06-FF) were consistent with other worm results for samples collected in LAA. They were also proportionately lower than the PCB results for other sampling areas located in the more upstream portion of the floodplain (UAA and MAA). PCBs were detected in small mammal tissue in only one sample from reference areas in ERT-01 with a PCB concentration of 4.6 mg/kg. This reference sample had the second highest measured PCB concentration in the small mammals sampled. The highest PCB concentration (12 mg/kg) was for a small mammal sample collected in LAA (Table 4-31 and Figure 4-34).

Mercury was detected in 18 of the 44 small mammal samples from OU-4. There were 8 detected concentrations in the UAA, and there were 5 concentrations detected in both the MAA and the LAA. Mercury concentrations in the UAA ranged from nondetect to 0.029 mg/kg with an average concentration of 0.010 mg/kg. In the MAA, mercury concentrations ranged from nondetect to 0.089 mg/kg with an average concentration of 0.020 mg/kg; and, in the LAA, mercury concentrations ranged from nondetect to 0.24 mg/kg with an average concentration of 0.025 mg/kg. Mercury was detected in only one sample at a concentration of 0.013 mg/kg from the reference areas (ERT-02-SF). Results from the mercury analyses are presented in Table 4-32.

Five small mammal samples (two in the UAA and one each in the MAA, LAA, and reference area) were evaluated for additional metals. Concentrations of arsenic, beryllium, cadmium, and cobalt were generally not elevated in any tissue compared to single reference sample. Barium was notably elevated in the LAA (14 mg/kg) compared to reference and other assessment areas. Lead was slightly elevated in the MAA (1.7 mg/kg) and UAA (1.2 mg/kg) samples compared to the reference sample (0.25 mg/kg). Other metal concentrations were generally similar to reference (Table 4-33).

Seven small mammal samples were analyzed for PCDD/DFs, two samples in each of the assessment areas and one sample in ERT-01-SF2. The TEQ concentrations were highest in the UAA at 0.0023 µg/kg and 0.0067 µg/kg and lowest in the MAA (0.0013 µg/kg and 0.0016 µg/kg). Concentrations in the LAA were 0.0021 µg/kg 0.0034 µg/kg. All of these are higher than TEQs in the single reference area sample (0.000033 µg/kg) (Table 4-34).

4.6.2.4 Aquatic Tissue Data Collection and Results

The following section summarizes the sampling design approach, including the target tissue types, for the aquatic species in OU-4. Each target tissue type was identified based on the target receptors selected to represent the refined AEs (Table 4-29) and their associated prey based on

the refined food web (Figure 4-31). Aquatic tissue collection targeted dominant species within each habitat type that would be most representative of the known foraging behavior and dietary composition of the identified upper-trophic-level receptors (e.g., birds and mammals) found within OU-4.

From the prior habitat survey reports (BBL 2005a, Arcadis BBL 2007a) five major aquatic habitat types in OU-4 were identified: riffles, runs, EAV, tributary confluences (backwaters), and depositional environments (islands, banks/bars). With the exception of aquatic plants, which were only collected within the areas of EAV, collection of each aquatic tissue type targeted dominant species within sample reaches containing riffles, runs, and EAV. Based on Phase 1 survey results, these three habitat types were expected to contain the highest density of species that would encompass the dietary components of the upper-trophic-level receptors within OU-4 as well as to represent the most likely locations of receptor foraging.

Prior to conducting the Phase 2 aquatic work, interactions with the United States Fish and Wildlife Service (USFWS) detailed the potential presence of a threatened rocksnail species (i.e., painted rocksnail [*Leptoxis taeniata*]) within the lower section of Choccolocco Creek and its tributaries, along with the potential presence of an endangered elimia snail species (i.e., lacy elimia [*Elimia crenatella*]) found within the vicinity of Cheaha Creek. Based on the habitat needs of the threatened painted rocksnail, it may occur within riffle habitats of the lower Choccolocco Creek and its lower tributaries. Consequently, biologists representing P/S and USFWS staff conducted Site reconnaissance within the targeted BSAs proposed for Phase 2 sampling in both Cheaha Creek and the lower Choccolocco Creek (within the LAA). From the Site reconnaissance, it was found that the portion of Cheaha Creek where the reference location reach was located did not indicate the presence of the lacy elimia. Within the LAA BSAs, the presence of the painted rocksnail within riffle habitats was not officially verified, but the large densities of other rocksnail species made riffle habitats sensitive to disturbance by wading methods. Based on the sensitivity to this issue, aquatic tissue collection through wading efforts in riffle sections of the three BSAs of the LAA was avoided. Hence, aquatic tissue composites for mollusks, crayfish [Astacoidea], and benthic macroinvertebrate larval and emergent life stages were conducted from habitat areas that were not sensitive (i.e., EAV and runs) found within each of the LAA BSAs. Electrofishing methods in the LAA BSA reaches consisted of both backpack units and a portable boat. During both types of electrofishing methods, the sensitive riffle head habitats that had high densities of rocksnails were avoided. The following were the targeted number of samples proposed for collection from each aquatic tissue group during Phase 2 sampling:

- Plants were to be collected from 3 sample locations within the aquatic habitat in each assessment area. Three samples were proposed to be collected at each location, resulting in 9 total samples per assessment area; 27 total samples within OU-4, and 9 reference samples.
- Aquatic mollusks and crustaceans were to be collected from 1 sample location in each of the 3 habitats surveyed per assessment area.[5] Three samples were proposed to be

[5] Aquatic mollusks were the primary target, with crayfish added as a surrogate in case abundance was low.

collected at each location, resulting in 9 total samples per assessment area; 27 total samples within OU-4, and 9 reference samples.

- Benthic macroinvertebrates were to be collected from 1 sample location in each of the 3 habitats surveyed per assessment area.[6] Three samples were proposed to be collected at each location, resulting in 9 total samples per assessment area; 27 total samples within OU-4, and 9 reference samples.
- Emergent and flying insects were to be collected from 1 sample location in each of the 3 habitats surveyed per assessment area. Three samples were proposed to be collected at each location, resulting in 9 total samples per assessment area; 27 total samples within OU-4, and 9 reference samples.
- Reptiles and amphibians were to be collected from 3 sample locations within each of the 3 habitats surveyed per assessment area.[7] Three samples were proposed for each location, resulting in 9 total samples per assessment area; 27 total samples within OU-4, and 9 reference samples (actual number of reference sample collected was 10).[7]
- Fish (forage, bottom feeder, and predator) were to be collected from 3 sample locations per surveyed habitat (bottom feeder and predator locations were not habitat specific). Three samples were proposed for each location, resulting in 27 forage fish samples per assessment area, and 9 bottom feeder and predator samples each per assessment area. A total of 81 forage fish samples were to be collected and 27 bottom feeder and predator samples each within OU-4. Within reference locations, 27 forage fish and 9 bottom feeder and predator samples were proposed to be collected.

An overall summary of aquatic tissue collection program is provided in Table 4-35. For non-fish aquatic tissues, TEQ[8] concentrations, PCBs, mercury, and other metals results are presented in Tables 4-34, 4-36, 4-37, and 4-38, respectively. Figure 4-35 summarizes mean concentrations of PCBs for each aquatic (non-fish) tissue type within each BSA within OU-4 and the three reference areas. For fish, PCBs,[9] mercury, other metals, and TEQ[8] concentration results are presented in Tables 4-39, 4-40, 4-41, and 4-42, respectively. Appendix F provides summary statistics and box plots for each tissue type, BSA, and COPC.

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[6] Benthic macroinvertebrates were focused on larval stages found within the water column and sediment interface and on emergent vegetation and large woody debris.

[7] An American toad was collected at REF-3 (Talladega Creek) but was replaced with a cottonmouth for representing reptiles and amphibians.

[8] TEQs were calculated using avian, mammalian, and fish TEFs. Values were calculated using 0 and ½ reporting limit for undetected congeners. TEQs were calculated for dioxin/furan congeners, PCB mono- and non-ortho substituted congeners, and for both sets combined. For the purposes of this discussion, all TEQ concentrations discussed are based on 0 for undetected values, mammalian toxicity equivalency factors and dioxin/furan TEQs only. The full set of calculations is provided in Table 4-34 and 4-42.

[9] Mollusk, crayfish, and fish tissue PCB concentrations were measured as Aroclors in all samples and as homologs in 10% of samples. Results for these tissue types based on Aroclors are summarized herein. Both Aroclor and homolog data are summarized in Appendix F. For all other tissue types, PCBs were measured as homologs only.

Aquatic Plant – Data Collection

Based on Phase 1 surveys, the primary target plant species for sampling was alligator weed. Tissue body burdens were used in the OU-4 BERA to compare to available literature toxicity thresholds and to model dietary exposures for various animals that eat aquatic plants. Within each BSA, three plant-tissue composites were collected for edible portions of the plant species. Efforts were made to keep the species of plant-tissue composites consistent across habitat types within each assessment area. Phase 2 aquatic plant tissue was collected during September and October 2009. During the Phase 2 tissue collection, two different plant species were collected across the OU-4 and reference location BSAs. The species included alligator weed and an unknown aquatic plant species collected at a BSA in the LAA. All 27 plant-tissue composite samples were collected within the individual BSAs of OU-4 to encompass 9 samples from each BSA across each of the 3 assessment areas. Based on the 3 reference locations available habitats, all 9 plant-tissue composite samples were collected.

Aquatic Plant - Results

PCBs were detected in the majority of aquatic plant samples from OU-4 at low concentrations ranging from nondetect to 0.21 mg/kg (Table 4-36). Average concentrations were similar across all assessment areas with a possible slight decreasing concentration trend moving downstream. Average concentrations for the UAA, MAA, and LAA were 0.15 mg/kg, 0.086 mg/kg, and 0.051 mg/kg, respectively (Table 4-36). The highest detected PCB concentration in aquatic plants was detected in ERA-02 (1.0 mg/kg), but this was the only detected concentration in the reference areas.

Mercury was also detected at low concentrations in the majority of aquatic plant samples from OU-4 (19 of 27 samples), with concentrations similar across the three assessment areas ranging from nondetect to 0.023 mg/kg (Table 4-37). Average concentrations were similar across all assessment areas with no apparent concentration gradient (e.g., average concentrations for the UAA, MAA, and LAA are 0.013 mg/kg, 0.014 mg/kg, and 0.011 mg/kg, respectively). Mercury concentrations in the reference areas were slightly lower than in the assessment areas (maximum concentration of 0.013 mg/kg) and had lower frequency of detection (3 of 9 samples).

Four aquatic plant samples (one in each assessment area and one reference sample) were analyzed for additional metals. Manganese was detected at the highest concentrations in aquatic plants compared to other tissue types while beryllium was not detected. Metals in aquatic plants were generally not elevated compared to the single reference area result (Table 4-38), nor are there any apparent concentration gradients from upstream to downstream. Comparisons among assessment areas and between OU-4 and reference areas are uncertain due to the limited dataset.

Four samples were analyzed for PCDD/DFs, two in the UAA and two in the MAA. The two samples from the UAA had higher TEQ concentrations than those from the MAA, but the quantity of data was insufficient to draw any definitive conclusions on trends. PCDD/DFs were not measured in aquatic plants in the reference area (Table 4-34).

Emergent and Flying Insects – Data Collection

Based on Phase 1 surveys for the benthic community in the sediment and water column for each targeted habitat type, the primary target species for sampling were Ephemeroptera-Plecoptera-Trichoptera (EPT). Tissue body burdens were used in the OU-4 BERA to compare to available literature toxicity thresholds and to model dietary exposures to blue jay, Carolina wren, spotted sandpiper, and tree swallow (*Tachycineta bicolor*). Within each BSA, a total of three emergent

and flying insect tissue composites were targeted for collection. Efforts were made to keep tissue composites consistent across BSAs within each assessment area. Phase 2 emergent and flying insects tissue sampling was conducted in April 2010.

The Phase 2 tissue collection efforts resulted in several different orders of insects collected across the OU-4 and reference location BSAs. The emergent and flying insect orders included primarily Odonata spp. (i.e., dragonflies and damselflies), Diptera spp. (primarily crane flies), and Hymenoptera spp. (primarily sweat bees). All 27 emergent and flying insect tissue composite samples were collected within the individual BSAs of OU-4 for a total of 9 samples from each BSA across each of the 3 assessment areas. Based on the 3 reference locations habitats, all 9 emergent and flying insect tissue composite samples were collected. Abundance of emergent and flying insects was limited within the main aquatic corridor over the BSAs. The primary collection of emergent and flying insects occurred within the riparian corridors encompassing the individual BSAs within both OU-4 and reference locations. Passive methods of trap nets and light traps were used over the shorelines of several BSAs during the collection effort, but abundance of emergent and flying insects during this period did not indicate a sufficient hatch and catch efficiency to obtain suitable tissue composite masses for COPC analysis. Hence, the primary sampling method used during the Phase 2 collections was sweep netting within the riparian corridor and surrounding floodplain.

Emergent Insect - Results

For emergent insects, PCBs were detected in all samples from OU-4 and were not detected in the reference area (Table 4-36). In the UAA, PCB concentrations in emergent insects ranged from 0.10 to 7.8 mg/kg with an average concentration of 4.8 mg/kg. PCB concentrations in emergent insects in the MAA ranged from 0.10 to 0.36 mg/kg with an average concentration of 0.23 mg/kg, and PCB concentrations in emergent insects in the LAA ranged from 0.18 to 0.43 mg/kg with an average concentration of 0.28 mg/kg. PCB concentrations were higher in the UAA than in the MAA and LAA. Higher concentrations were detected in UAA locations 2 and 3, which are farther downstream from the confluence with Snow Creek, compared to UAA 1 (Figures 4-33a, 4-33b, and 4-33c). The higher concentration in the UAA was a result of six of the nine samples that contained only crane flies, where all other samples contained either damselflies, dragonflies, or a mixture of the three species. It is not clear why crane flies in this area would contain higher PCB concentrations relative to other emergent species. The emergent insect reference samples were all nondetect.

Mercury was detected in all the emergent insect samples from OU-4 as well as the reference area (Table 4-37). Mercury concentrations were similar across the three assessment areas. In the UAA, mercury concentrations ranged from 0.03 to 0.13 mg/kg with an average concentration of 0.08 mg/kg. Mercury concentrations in the MAA ranged from 0.01 to 0.10 mg/kg with an average concentration of 0.043 mg/kg, and, in the LAA, mercury concentrations ranged from 0.02 to 0.07 mg/kg with an average concentration of 0.052 mg/kg. The assessment area concentrations are slightly higher than reference area mercury concentrations, which ranged from 0.01 to 0.08 mg/kg with an average concentration of 0.031 mg/kg.

Four emergent insect samples were analyzed for additional metals, with one sample in each of the three assessment areas and one sample from ERA-01. Beryllium was not detected in any of the samples. Cadmium, chromium, lead, and manganese concentrations in several assessment area samples were above the single reference sample concentration (Table 4-38).

Four emergent insect samples were analyzed for PCDD/DF: three samples from the UAA and one sample from the LAA (Table 4-34). Concentrations in the three UAA samples (0.00017 µg/kg, 0.0013 µg/kg, and 0.0018 µg/kg) were lower than in the LAA sample (0.0048 µg/kg). No emergent insect samples were collected for PCDD/DF analysis from the reference areas.

Benthic Macroinvertebrates – Data Collection

Based on Phase 1 surveys for benthic community in the sediment and water column for each targeted habitat type, EPT were the primary target species for sampling. Benthic macroinvertebrate tissue body burdens were used in the OU-4 BERA to compare to available literature toxicity thresholds and to model dietary exposures to spotted sandpiper and belted kingfisher.

Within each BSA, three benthic macroinvertebrate tissue composites were targeted for collection. Efforts were made to keep the species of benthic macroinvertebrate tissue composites consistent across BSAs within each assessment area. Phase 2 benthic macroinvertebrate tissue sampling was conducted during September and October of 2009. Based on the orders and abundance of benthic macroinvertebrate found across the different habitat types during the sampling efforts, the Phase 2 tissue collection diverged from the three target species and primarily consisted of one order of benthic larval species, Odonata spp. (i.e., dragonflies and damselflies). The presence and abundance of this order allowed for consistent collection across OU-4 and reference areas as well as the range of habitat types. Composites of multiple species were collected within the three primary aquatic habitat types: riffle, run, and EAV. In most cases, tissue composites were collected within independent habitat types to make a representative sample within a BSA. Based on abundance, one riffle location in a BSA within the MAA (MAA-02) was composited across a riffle and run sequence. Within the LAA, at all BSAs, benthic tissue composites were collected and combined from both EAV and run habitats. All 27 benthic-tissue composite samples were collected within the individual OU-4 BSAs to encompass 9 samples from each BSA across each of the 3 assessment areas. In the 3 reference locations habitats, all 9 benthic-tissue composite samples were collected.

Benthic Macroinvertebrate - Results

PCBs were detected in all benthic macroinvertebrate samples from OU-4 but were not detected in the reference area samples (Table 4-36). PCB concentrations were slightly higher in the UAA and MAA. PCB concentrations in benthic macroinvertebrates collected from the UAA ranged from 0.18 to 0.65 mg/kg with an average concentration of 0.30 mg/kg. PCB concentrations in benthic macroinvertebrate tissue collected from the MAA ranged from 0.21 to 0.44 mg/kg with an average concentration of 0.31 mg/kg, and PCB concentrations in benthic macroinvertebrate tissue collected from the LAA ranged from 0.12 to 0.22 mg/kg with an average concentration of 0.16 mg/kg. PCB concentrations were not detected in benthic macroinvertebrate tissue collected from the reference area.

Mercury was detected in benthic macroinvertebrate tissue collected throughout OU-4 and the reference area (Table 4-37). Mercury concentrations in benthic macroinvertebrate tissue from the reference areas were slightly lower than in OU-4 locations. Mercury concentrations in benthic macroinvertebrate tissue collected from the UAA ranged from 0.02 to 0.05 mg/kg with an average concentration of 0.03 mg/kg. Mercury concentrations in benthic macroinvertebrate tissue collected from the MAA ranged from 0.04 to 0.10 mg/kg with an average concentration of 0.058 mg/kg, and mercury concentrations in benthic macroinvertebrate tissue collected from the LAA

ranged from 0.05 to 0.11 mg/kg with an average concentration of 0.067 mg/kg. Mercury concentrations in benthic macroinvertebrate tissue collected from the reference area ranged from 0.01 to 0.04 mg/kg with an average concentration of 0.021 mg/kg.

Four benthic macroinvertebrate tissue samples were analyzed for additional metals: one sample from each of the assessment areas and one from ERA-01. Metals generally appeared at similar concentrations in OU-4 and the reference location (Table 4-38).

Four benthic macroinvertebrate tissue samples were analyzed for PCDD/DFs: two from the UAA and two from the MAA. The samples from UAA had TEQ concentrations of 0.00078 µg/kg and 0.011 µg/kg, and the samples from the MAA had TEQ concentrations of 0.0031 µg/kg and 0.0037 µg/kg (Table 4-34). No benthic macroinvertebrate samples were collected for PCDD/DF analysis from the reference areas.

Aquatic Mollusks and Crustaceans – Data Collection

Based on Phase 1 surveys, the primary target species for sampling were Asiatic clam and crayfish species. Mollusk and crayfish tissue body burdens were used in the OU-4 BERA to compare to available literature toxicity thresholds and to model dietary exposures to raccoon, mink, great blue heron, and belted kingfisher. Within each BSA, a total of three mollusk and crayfish tissue composites were targeted for collection. Efforts were made to keep the species of mollusk and crustacean tissue composites consistent across BSAs within each assessment area. Phase 2 mollusk and crayfish tissue sampling was conducted during September and October 2009. The Phase 2 tissue collection efforts resulted in two different species collected across the OU-4 and reference location BSAs. The species included Asiatic clam and various species of crayfish (e.g., Cambarus *spp.* and Procambarus *spp*.). All 27 mollusk tissue composite samples were collected within the individual OU-4 BSAs to encompass 9 samples from each BSA across each of the 3 assessment areas. For the 3 reference locations habitats, all 9 mollusk-tissue composite samples were collected. A total of 23 crayfish tissue composite samples were collected within the individual BSAs of OU-4. A total of 9 crayfish tissue composite samples were collected within the LAA, and 7 crayfish tissue composite samples were collected each within both the MAA and UAA. Three crayfish tissue composite samples were collected within ERA-02. Abundance of crayfish was limited within the other two reference location BSAs.

Crayfish - Results

PCBs were detected in all the OU-4 samples but were not detected in the three reference area samples (Table 4-36). PCB concentrations appeared to reflect a possible concentration gradient along OU-4 with concentrations in the UAA being higher than the MAA, which are in turn slightly higher than the LAA. The PCB concentrations in crayfish from UAA ranged from 0.35 to 1.0 mg/kg with an average concentration of 0.65 mg/kg. PCB concentrations in crayfish from MAA ranged from 0.22 to 0.70 mg/kg with an average concentration of 0.54 mg/kg, and PCB concentrations in crayfish from LAA ranged from 0.06 to 0.35 mg/kg with an average concentration of 0.23 mg/kg.

Mercury concentrations for crayfish were similar across OU-4 and reference areas (Table 4-37). Mercury was detected in 21 of the 23 OU-4 samples and in all the reference area samples. The mercury concentrations in crayfish from the UAA ranged from nondetect to 0.05 mg/kg with an average concentration of 0.04 mg/kg. Mercury concentrations in crayfish from the MAA ranged from 0.04 to 0.08 mg/kg with an average concentration of 0.051 mg/kg, and mercury concentrations in crayfish from the LAA ranged from nondetect to 0.08 mg/kg with an average

concentration of 0.059 mg/kg. The three reference area samples ranged from 0.02 to 0.03 mg/kg with an average concentration of 0.023 mg/kg.

Three crayfish samples, two in the UAA and one in the LAA, were evaluated for additional metals (Table 4-38). Crayfish have substantially higher concentrations of barium compared to other tissue types, but other metals were in similar ranges. There were no crayfish samples collected from the reference areas. But, based on the barium concentration for the other species collected in OU-4 and the reference areas, barium appears to be present as a background constituent. Chromium and vanadium were only detected in one sample; beryllium, cobalt, and nickel were not detected.

Three PCDD/DF samples in crayfish resulted in similar TEQ concentrations. The one UAA sample concentration was 0.00048 µg/kg, while the MAA concentrations were 0.00046 µg/kg and 0.0012 µg/kg. PCDD/DFs were not measured in the reference area (Table 4-34).

Mollusk - Results

PCBs were detected in all the OU-4 mollusk samples and were not detected in the reference areas (Table 4-36). Concentrations are generally similar across all the three assessment areas for mollusks. The PCB concentrations in mollusks from UAA ranged from 0.49 to 1.4 mg/kg with an average concentration of 0.99 mg/kg. PCB concentrations in mollusks from MAA ranged from 0.4 to 1.2 mg/kg with an average concentration of 0.70 mg/kg, and PCB concentrations in mollusks in the LAA ranged from 0.48 to 1.0 mg/kg with an average concentration of 0.77 mg/kg.

For mercury, all the mollusk OU-4 and reference samples had detected values, with similar concentrations across OU-4 and the reference areas (Table 4-37). Mercury concentrations in mollusks from the UAA ranged from 0.01 to 0.03 mg/kg with an average concentration of 0.02 mg/kg. Mercury concentrations in mollusks from MAA ranged from 0.01 to 0.04 mg/kg with an average concentration of 0.027 mg/kg, and mercury concentrations in mollusks from the LAA ranged from 0.03 to 0.07 mg/kg with an average concentration of 0.054 mg/kg. The reference area mercury concentrations ranged from 0.01 to 0.06 mg/kg with an average concentration of 0.029 mg/kg.

Four mollusk samples, consisting of one sample in each of the assessment areas and one sample in ERA-03, were evaluated for additional metals. Chromium and lead concentrations appeared to be slightly higher in the three OU-4 samples compared to the single reference sample. The remaining metals appeared to be similar or higher in the reference sample than for the three OU-4 samples (Table 4-38).

Four mollusk samples were analyzed for PCDD/DFs, two samples in the UAA with TEQ concentrations of 0.00032 µg/kg and 0.0017 µg/kg, and two samples in the LAA with TEQ concentrations of 0.0044 µg/kg and 0.0094 µg/kg (Table 4-34). No mollusk samples were collected from the reference area for the analysis of PCDD/DFs.

Aquatic Reptile and Amphibian – Data Collection

In addition to the three primary habitat types, reptile and amphibian collection included riparian habitats. The Phase 1 surveys for the reptile/amphibian community demonstrated limited abundance of organisms. Based on these findings, Phase 2 collection was designed to take preferentially from aquatic taxa and secondarily from terrestrial taxa that may be available. The target species for sampling were green frogs, spring peepers, northern slimy salamanders

(*Plethodon glutinosus*), queen snakes, river cooters, and other turtles. Other potential taxa targeted included cottonmouth and copperhead snakes, nonvenomous water snakes, garter snakes, and keeled green snakes (Opheodrys). Tissue body burdens in the OU-4 BERA are compared to reference tissue concentrations and used to model exposures to short-tailed shrew, raccoon, mink, great blue heron, red-tailed hawk, and belted kingfisher.

Within each BSA, a total of three reptile/amphibian tissue samples were targeted for collection to yield up to nine samples per assessment area. When compositing was necessary for sample mass, efforts were made to keep tissue composites consistent across BSAs within each assessment area. Phase 2 reptile/amphibian tissue sampling was conducted during April 2010. The Phase 2 tissue collection effort resulted in a total of nine reptile/amphibian species collected across the OU-4 and reference location BSAs. The reptile/amphibians included five species of frogs and toads (southern leopard frog, northern cricket frog, bullfrog [*Rana catesbeiana*], bronze/green frog, and American toad [*Bufo americanus*]); three species of aquatic snakes (midland water snake [*Nerodia sipedon*], queen snake, and yellow-bellied water snake [*Nerodia erythrogaster*]); and one aquatic pit viper (cottonmouth). All 27 reptile/amphibian tissue samples were collected within the individual OU-4 BSAs to encompass 9 samples from each BSA across each of the 3 assessment areas. For the 3 reference location habitats, 10 reptile/amphibian tissue samples were collected. Abundance of reptile/amphibians was limited within the main aquatic corridor for some of the BSAs. As a result, four reptile/amphibian samples were collected within adjacent floodplain water bodies off the main aquatic study reaches on Choccolocco Creek. These samples included an individual bullfrog and composite of northern cricket frogs from the MAA (at MAA-03), a composite of bronze/green frogs from the LAA (at LAA-02), and an American toad at ERA-03.

Aquatic Reptile and Amphibian - Results

PCB concentrations were higher in snakes than in frogs, which is consistent with their respective trophic levels and feeding strategies. PCB concentrations in frogs were higher in the UAA than in the MAA and LAA. PCB concentrations in snakes were more similar across assessment areas than they were for frogs (Table 4-36). PCB samples in the UAA and MAA consisted of seven frog samples and two snake samples. PCB concentrations in frogs from the UAA ranged from 0.57 to 7.5 mg/kg with an average of 3.3 mg/kg. For snakes, PCB concentrations in the UAA were 7.7 mg/kg and 38 mg/kg with an average concentration of 23 mg/kg. Frog PCB concentrations from the MAA ranged from 0.53 to 1.2 mg/kg with an average concentration of 0.77 mg/kg. PCB concentrations in snakes from the MAA were 5.0 mg/kg and 32 mg/kg with an average of 19 mg/kg. Only two samples were available in the LAA for frogs with PCB concentrations of 1.0 mg/kg and 1.3 mg/kg with an average concentration of 1.2 mg/kg. There were seven snake samples from the LAA with concentrations ranging from 6.7 to 14 mg/kg with an average concentration of 9.8 mg/kg. All frog and snake concentrations within OU-4 were higher than those found at the reference areas. Only one of the four frog samples in the reference area had a detected PCB concentration (0.02 mg/kg). Five of the six snake samples in the reference area had detected PCB concentrations ranging from 0.02 to 1.3 mg/kg with an average concentration of 0.34 mg/kg.

For frogs, mercury concentrations were in a similar range across the OU-4 assessment areas, but the OU-4 concentrations were slightly higher than reference area concentrations (Table 4-37). For snakes, mercury concentrations were similar across OU-4 areas and comparable to the reference area samples. Mercury samples in the UAA and MAA also consisted of seven frog

samples and two snake samples. Mercury concentrations for frogs from the UAA ranged from 0.02 to 0.2 mg/kg with an average concentration of 0.13 mg/kg. Mercury concentrations for the two snake samples from the UAA are 0.14 mg/kg and 0.26 mg/kg with an average of 0.20 mg/kg. In the MAA, frog mercury concentrations ranged from 0.05 to 0.3 mg/kg with an average concentration of 0.12 mg/kg. Snake mercury concentrations from the MAA were 0.14 mg/kg and 0.45 mg/kg with an average concentration of 0.30 mg/kg. Mercury concentrations of the two frog samples from the LAA were 0.06 mg/kg and 0.13 mg/kg with an average concentration of 0.095 mg/kg. The seven snake samples from the LAA had concentrations ranging from 0.11 to 0.5 mg/kg with an average concentration of 0.31 mg/kg. Mercury concentrations in the three frogs from the reference area were all 0.02 mg/kg, and mercury concentrations in the six snakes from the reference area ranged from 0.10 to 0.30 mg/kg with an average concentration of 0.15 mg/kg.

Four reptile and amphibian samples were analyzed for additional metals, including two frog samples from the UAA and two snake samples, one from the LAA and one in the reference areas. For frogs, concentrations were in a similar range for both sample locations, but no reference data were available. Snake metal concentrations were similar between the OU-4 and reference locations (Table 4-38).

Four PCDD/DFs samples included one sample for snakes in OU-4 and three frog samples. No reptile or amphibian reference samples were collected or analyzed for PCDD/DFs. The one snake sample from the MAA had a TEQ concentration of 0.0026 µg/kg. For the frog samples, the UAA sample TEQ concentration was 0.00017 µg/kg, the MAA frog TEQ concentration was 0.00065 µg/kg, and the LAA frog TEQ concentration was 0.0048 µg/kg (Table 4-34).

Fish – Data Collection

The fish collection effort for Phase 2 focused on collecting three trophic levels: predator, bottom feeder, and forage. Based on Phase 1 surveys for fish community, the following were the primary target species for sampling for each of the three trophic levels:

- Predator – spotted bass: adult – longer than 12 inches
- Bottom Feeder – blacktail redhorse: juvenile and adult – longer than 6 inches
- Forage – largescale stoneroller: juvenile and adult – 6 inches or shorter
- Forage – shiner species (*Notropis spp*.): juvenile and adult – 6 inches or shorter

Fish tissue body burdens were used in the OU-4 BERA to compare to available literature toxicity thresholds and to model dietary exposures to piscivorous animals including raccoon, mink, river otter, osprey, great blue heron, and belted kingfisher. Within each BSA, three samples were collected within each assessment area, containing the three targeted habitat types (riffle, run, and EAV). Fish tissue sampling was conducted using portable electrofishing equipment (both backpack units and portable boat). Three forage fish samples were targeted from each of the 3 habitat types to collect a total of 27 samples per assessment area. Bottom feeder and predator fish sample collections within each BSA were not subdivided based on habitat type, as these species occur in all habitat types. For bottom feeder and predator collection, three samples were targeted from each BSA for a total of nine samples per assessment area. Efforts were made to keep tissue composites consistent across BSAs within each assessment area.

Phase 2 fish sampling was conducted during November 2009. Phase 2 forage fish collection resulted in 14 species collected across the OU-4 and reference location BSAs. The forage fish species included primarily 3 families:

- Cyprinids (Minnows): largescale stoneroller, Alabama shiner (*Cyprinella callistia*), tricolor shiner, blacktail shiner (*Cyprinella venusta*), striped shiner (*Luxilus chrysocephalus*), emerald shiner, silverstripe shiner (*Notropis stilbius*), coosa shiner (*Notropis xaenocephalus*), and riffle minnow (*Phenacobius catostomus*)
- Castostomids (Suckers): black redhorse (*Moxostoma duquesnei*), and blacktail redhorse
- Fundulids (Topminnows): blackspotted topminnow (*Fundulus olivaceus*) and southern studfish (*Fundulus stellifer*)

All 81 forage-fish tissue composite samples were collected within the individual OU-4 BSAs for a total of 27 samples from each of the 3 BSAs sampled per assessment area. All 27 proposed forage fish tissue composite samples were collected from each of the 3 aquatic BSA reference area habitat types. Relative abundance of the primary target species for forage fish was limited at some BSAs, and representative and dominant species were chosen to meet objectives of data use for the OU-4 BERA.

All predator and bottom feeder individual fish tissue samples were collected within the individual OU-4 BSAs and the three reference locations. Predator fish samples included three species of black bass: redeye bass (*Micropterus coosae*), spotted bass, and largemouth bass. Bottom feeder samples included two sucker species: black redhorse and blacktail redhorse. Relative abundance of the primary target species for both predator and bottom feeder fish was limited at some BSAs, and representative and dominant species were chosen to meet objectives of data use for the OU-4 BERA.

Fish - Results

Fish tissue samples for PCBs and mercury include 9 predator fish samples, 9 bottom fish samples, and 27 forage fish samples. As expected, based on what is known about PCB movement through the food web, forage fish have lower PCB concentrations than upper-trophic-level-fish. At OU-4, the bottom feeding redhorse have lower PCB concentrations than the predatory spotted bass. In addition, PCB concentrations in fish from the OU-4 assessment areas are higher than in fish from the reference area, but there is no apparent concentration gradient from upstream to downstream for any of the three feeding guilds of fish (Table 4-39). Figure 4-36 presents mean PCB concentrations for each BSA in each assessment area for each fish type, and Appendix F provides bar graphs and summary statistics of the fish tissue data for each area.

Mercury concentrations in predator fish from the UAA ranged from 0.22 to 0.59 mg/kg with an average concentration of 0.35 mg/kg. Mercury concentrations for bottom fish from the UAA ranged from 0.080 to 0.24 mg/kg with an average concentration of 0.13 mg/kg. The mercury concentrations in the forage fish from the UAA ranged from nondetect to 0.066 mg/kg with an average concentration of 0.039 mg/kg. For the MAA, mercury concentrations for predator fish ranged from 0.25 to 0.53 mg/kg with an average concentration of 0.40 mg/kg. Mercury concentrations for bottom fish ranged from 0.050 to 0.15 mg/kg with an average concentration of 0.10 mg/kg; and mercury concentrations for forage fish ranged from 0.059 to 0.22 mg/kg with an

average concentration of 0.13 mg/kg. For the LAA, mercury concentrations for predator fish ranged from 0.40 to 0.83 mg/kg with an average concentration of 0.55 mg/kg. For bottom fish, mercury concentrations ranged from 0.093 to 0.35 mg/kg with an average concentration of 0.18 mg/kg, and, for forage fish, mercury concentrations ranged from 0.052 to 0.28 mg/kg with an average concentration of 0.15 mg/kg. Reference area mercury concentrations ranged from 0.17 to 0.63 mg/kg with an average concentration of 0.31 mg/kg for predator fish, 0.059 to 0.18 mg/kg with an average concentration of 0.11 mg/kg for bottom fish, and 0.021 to 0.12 mg/kg with an average concentration of 0.067 mg/kg for forage fish. For all assessment areas, predator fish had higher concentrations of mercury than the bottom fish or forage fish (Table 4-40).

Additional metals were analyzed in 18 fish tissue samples, including 6 samples for predator fish, 6 samples for bottom fish, and 6 samples for forage fish. Cobalt was not detected in forage fish, and nickel was not detected in predator fish (Table 4-41). Some small differences were also observed for predator fish (e.g., for chromium), but given the small dataset for comparison and the small difference (e.g., 0.17 mg/kg in reference areas compared to 0.53 mg/kg in OU-4 fish), this may not mean that the OU-4 populations of fish have elevated concentrations of metals compared to the reference population. No data for reference locations were available for forage fish.

PCDD/DFs were analyzed in 18 fish samples: 3 predator fish, 2 bottom fish, and 13 forage fish. Using mammalian PCDD/DF TEQ concentrations as an example (assuming 0 for nondetect concentrations), in predator fish, TEQ concentrations were 0.0011 µg/kg in the UAA and 0.0061 µg/kg in the LAA, while the reference area TEQ concentration was lower at 0.00014 µg/kg. In forage fish, TEQ concentrations in the UAA ranged from 0.00047 to 0.0010 µg/kg with an average concentration of 0.00065 µg/kg; in the MAA, ranged from 0.0025 to 0.0065 µg/kg with an average concentration of 0.0045 µg/kg; and in the LAA, ranged from 0.011 to 0.094 µg/kg with an average concentration of 0.041 µg/kg. TEQs were not measured in reference samples for forage fish. For bottom fish, the TEQ concentration was 0.13 µg/kg in the MAA while the TEQ concentration in the LAA was 0.0071 µg/kg. TEQs were not measured in reference samples for bottom fish. While comparisons between OU-4 areas were uncertain due to a limited data set, the TEQ concentrations in predator and forage fish tended to show a concentration gradient with highest concentrations in the LAA and the lowest concentrations in the UAA (Table 4-42).

4.6.2.5 Summary

PCBs generally appear to be elevated in biota tissue samples collected within OU-4 compared to reference locations. Several of the biota samples, including crayfish, emergent insects, frogs, and worms, demonstrated a concentration gradient in tissue similar to that seen in soil and sediment with higher PCB concentration in tissues from the UAA than in the MAA and LAA. Mercury tends to demonstrate similar concentrations between the assessment areas.

Other metals were generally similar between OU-4 and the reference area with few exceptions based on the limited number of samples collected for these analytes. PCDD/DF concentrations seemed to be elevated in the LAA and MAA compared to the UAA samples, and OU-4 samples were generally elevated relative to reference areas.

4.6.2.6 Sediment Toxicity and Bioaccumulation Testing

As part of work to support the OU-4 BERA, sediment toxicity tests were conducted to provide information about the site-specific effects of PCBs in OU-4 sediments on benthic macroinvertebrates. In addition, bioaccumulation tests were conducted to evaluate whether PCBs

were accumulating in, and potentially transferring to, upper trophic levels from the lower trophic levels of the food web. A summary of the testing program and results are provided below with a more detailed analysis of the underlying sediment toxicity data by P/S and USEPA included in the OU-4 BERA (Arcadis 2016) and the OU-4 BERA Addendum (USEPA 2018), respectively. Summaries of the OU-4 BERA and OU-4 BERA Addendum are provided in Section 8 of this RI, and the electronic copies of the full documents are provided in Appendices J and K, respectively. The electronic data developed by P/S in support of the overall sediment toxicity and bioaccumulation testing program are provided in Appendix B. USGS and USACE prepared a publication for the sediment toxicity and bioaccumulation testing program (Ingersoll et al. 2014) and the publication is available on-line.[10]

A total of 32 sediment samples were collected for toxicity and bioaccumulation testing. This included 26 sediment samples from 6 different locations in OU-4 and 6 reference area sediment samples from Choccolocco Creek that were collected approximately 2 miles upstream of OU-4. The sample locations were identified to collectively span a wide range of combinations of total PCB and organic carbon (OC) concentrations, instead of randomly sampling the OU-4 sediments. The six targeted bins of OC-normalized PCB concentrations (expressed as milligrams of total PCB per kilogram of OC [mg total PCB/kg OC]) were <100; 100–500; 501–1,000; 1,001–5,000; 5,001–10,000; and >10,000.

USGS and USACE requested that sediment be collected reflecting a wide range of PCB concentrations. This was to provide testing over a general range of potential PCB concentrations rather than sediment PCB concentrations that were reflective of conditions in OU-4. The PCB concentrations in biologically active zones for most of OU-4 are below 1 mg/kg. The sediment toxicity testing program tested a large number of sediment samples with PCB concentrations 10 to 100 times this level. To obtain these high concentration samples, much of the sediment collection effort was conducted in the backwater area and focused on sediments from the deeper horizons that are both stable and not biologically available. The sediments were analyzed for the following:

- 6 grain-size categories
- Moisture content
- Loss on ignition
- Concentrations of OC
- 23 major and trace elements (including the 16 metals and metalloids on the USEPA TAL)
- AVS
- 5 SEMs
- 9 PCB Aroclors
- 13 PCB congeners

[10] Available on-line at: http://pubs.usgs.gov/sir/2013/5125/pdf/sir2013-5125.pdf.

- 10 PCB homolog groups
- 1 biphenyl
- 46 parent and alkylated PAHs
- 21 pesticides
- 17 PCDD/DF congeners

In general, the highest concentrations of PCBs were associated with the highest concentrations of PAHs, dioxins, and pesticides. Additionally, during the toxicity tests, porewaters were analyzed for the following:

- pH
- Conductivity
- Alkalinity
- Hardness
- Ammonia
- Hydrogen sulfide
- Dissolved OC
- 4 inorganic anions
- 61 major and trace elements

Sediment and porewater analytical results are provided in Appendix F. Concentrations of metals or PCBs in porewater during the sediment toxicity exposures or during sediment bioaccumulation exposures were also measured using peeper samples (for metals) or solid-phase microextraction (SPME) samplers (for PCBs). The following sections provide an overview of the methods used, the data collected, and the results reported. Additional detail can be found in Ingersoll et al. (2014).

4.6.2.7 Toxicity Testing

The chronic-toxicity test organisms were a freshwater amphipod (*Hyalella azteca*; 42-day tests) and a freshwater midge (*Chironomus dilutus*; up to 54-day tests). Thirty-one tests were conducted with *H. azteca* exposed to noncontrol sediments, and 32 tests were conducted with *C. dilutus* exposed to noncontrol sediments. For each species, 20 of the 26 sediments from OU-4 and 6 reference area sediments were tested, with duplicate tests conducted for 5 of the 20 OU-4 sediments with *H. azteca* and for 6 of the 20 OU-4 sediments with *C. dilutus*. Therefore, the same 26 noncontrol sediments were tested for each species during the 2 cycles of toxicity tests, but the number of duplicate tests differed between the 2 species.

USGS Columbia Environmental Research Center in Columbia, Missouri, and USACE Engineer Research and Development Center in Vicksburg, Mississippi conducted the toxicity tests. Because of the large number of tests and associated logistical requirements, the tests were conducted in two separate testing cycles that started during the week of November 1, 2010, and during the week of January 17, 2011.

The sediments toxicity tests were conducted according to a modified version of the standard procedures specified in USEPA (2000b) and ASTM (2012). Twelve survival, growth, and reproduction endpoints were measured in the *C. dilutus* tests, and 11 survival, growth, and reproduction endpoints were measured in the *H. azteca* tests. Tables 4-43 and 4-44 summarize key toxicity test results. The complete results and specific details of the analyses and methods employed during the testing program are presented in Ingersoll et al. (2014).

Concentrations of metals, PAHs, and pesticides were generally lower than "consensus-based" probable effect concentrations (PECs) published by MacDonald et al. (2000). Therefore, those COPCs are not likely to have contributed significantly (relative to PCBs) to toxicity in OU-4 sediments, leaving PCBs as the likely dominant contaminant. The remainder of this discussion about OU-4 sediment toxicity tests focuses only on PCBs.

Because the chronic toxicity tests for each species were conducted in three separate batches (at different times and/or in different labs) and the control responses sometimes differed considerably among those batches, the response measured for each endpoint for each species was normalized to the average response measured for that endpoint in the control sediment tested concurrently with that batch of sediments. Therefore, the response for each endpoint in each sediment was expressed as a percentage of the control response; thus, control-normalized responses greater than 100% sometimes occurred in reference area and/or OU-4 sediments.

After control normalization, each endpoint response was regressed against total PCB concentration using a logistic equation to produce a sigmoid concentration-response relationship. Regression equations were determined separately for dry-weight-normalized total PCB Aroclor concentration and for OC-normalized total PCB Aroclor concentration to develop two concentration-response relationships for each endpoint. The dry-weight-normalized and OC-normalized PCB Aroclor concentrations were chosen as the predictors for the concentration-response relationships because sediments at OU-4 had been previously characterized in terms of their PCB Aroclor concentrations instead of their total PCB homolog concentrations, thus necessitating development of toxicity-predictor equations based on PCB Aroclor concentrations to use in remediation decisions.

To determine background toxicity, a reference envelope was calculated for each endpoint using the control-normalized responses of the six reference areas. The bottom of that response envelope was defined as the lowest control-normalized response percentage observed in the six reference sediments, and 10%, 20%, and 50% effect concentrations (EC10*, EC20*, and EC50* values, relative to the bottom of the reference envelope) were calculated from the PCB-response regressions for each survival, growth, and reproduction endpoint. By this definition, the EC0* value is the regression-predicted concentration at the bottom of the reference envelope. Then, threshold effect concentrations (TECs) of PCBs were calculated from the concentration-response relationships. The bottom of the response envelope was defined as the lowest response percentage instead of as the 5th percentile of the reference-sediment response percentages because only six reference sediments were tested, thus leaving high uncertainty about the true numerical value of the 5th percentile reference response.

The most sensitive endpoints for *H. azteca* related to reproduction (the lowest EC0*, EC10*, and EC20* values [i.e., 0%, 10%, and 20% impairment beyond the bottom of the reference envelope]) were 1.38 (the EC0*), 2.58 (the EC10*), and 4.43 (the EC20*) mg total PCB Aroclor per kg dry weight of sediment for 42-day young/female normalized to 42-day survival. The most

sensitive endpoints for *C. dilutus* were related to emergence[11] (the lowest EC0*, EC10*, and EC20* values were 2.04 [the EC0*], 6.80 [the EC10*], and 14.3 [the EC20*] mg per total PCB Aroclor per kg dry weight of sediment, for percent emergence of the pupae from their cocoons). The results of the sediment toxicity testing and their use in the BERA are discussed in more detail in Section 8.1 and 8.2.

Although other chemicals not related to the Anniston PCB Site are also present in OU-4 sediments, they did not appear to be at concentrations that would have impacted benthic species considerably in the toxicity tests, compared to the impacts of the PCBs.

4.6.2.8 Bioaccumulation Testing

The bioaccumulation of PCBs in 14 sediment samples (12 test sediments and 2 reference sediments) were investigated by using the *Lumbriculus variegatus* 28-day bioaccumulation test in basic accordance with USEPA and ASTM (2012) standard methods. A summary of the test conditions used is provided in Ingersoll et al. (2014). Sediment PCB concentrations were measured as Aroclors, homologs, and congeners. Tissue PCB concentrations were measured as homologs and congeners. Table 4-45 summarizes the sediment and tissue data for Aroclors and homologs. Accumulation of total PCBs in tissues was calculated as a sum of PCB homolog groups. Oligochaetes exposed to control sediments accumulated low concentrations of PCBs ranging from 0.022 to 0.38 mg/kg wet weight. The median concentration of total PCBs in oligochaetes exposed to test sediments was 35.3 mg/kg wet weight and ranged from 1.9 to 140 mg/kg wet weight.

The bioavailability of PCBs in 14 sediment samples were additionally investigated using SPME passive samplers. Tissue residues predicted using SPME-derived porewater data provide information regarding the bioavailability of PCBs in these sediments. For metals, a small dialysis chamber called a “peeper” was used to measure dissolved metal concentrations in porewater. Concentrations of metals in peeper samples were relatively low in all samples, but Cycle 1a samples were approximately 2 to 3 times greater on average than Cycle 1b samples. This finding is expected, because all but one of the Cycle 1a samples were selected to represent highly contaminated locations; whereas, the Cycle 1b samples were obtained primarily from reference area locations or locations with lower concentrations of PCBs.

4.6.2.9 Summary

As described above, a significant amount and diversity of ecological data have been collected for OU-4. These data were collected for a variety of specific objectives, but all were collected to support ecological risk assessment activities for OU-4. The detailed habitat and species survey evaluations were used to better understand the site-specific potential for receptor exposure. In addition, the species surveys and counts were used to compare OU-4 conditions to reference conditions, or to compare up to downstream trends as an additional LOE in evaluating possible OU-4-related ecological impacts. The biological tissue data collected were used to evaluate dietary food chain-based exposure. Lastly, the laboratory toxicity and bioaccumulation data were

[11] The adult biomass endpoint for *C. dilutus* reported by the laboratories is not included in this analysis because it was based on estimated weights of adult *C. dilutus* and not actual measured weights, thus making that endpoint highly uncertain. The approach of using estimated versus measured weights results in an endpoint with a high degree of uncertainty, and, thus, it was not used in the BERA analysis presented in Section 8.1 and Appendix J of this OU-4 RI.

used to evaluate potential impacts to the benthic community at OU-4 and biological uptake of PCBs for food web analysis. Collectively, these data provided valuable information that was used in evaluating potential ecological impacts in the OU-4 BERA.

4.7 Quality Assurance and Quality Control

P/S conducted sampling and analyses in accordance with the planning documents for each program. Under the RCRA program, work was conducted under the Supplemental Off-Site RFI Work Plan (BBL 1999a), the Phase 2 RFI/CS (BBL 2000b), and the Supplemental Off-Site RFI/CS Program (BBL 1999b). Work under the CERCLA program was done in accordance with the OU-4 Phase 1, Phase 2, and Phase 3 FSPs and the Site-Wide QAPP (Arcadis 2008b). Most of the laboratory work was conducted by TestAmerica in Savannah, Georgia, and in Burlington, Vermont. Maxxam in Ontario, Canada, and TestAmerica in Knoxville, Tennessee, conducted specialty selected ion monitoring (SIM) for PCB and PCDD/DF congener and homolog analyses Laboratory work was performed in accordance with USEPA and ASTM standard methods, individual laboratory quality assurance plans, and associated standard operating procedures.

Both the RCRA and CERCLA programs included collecting and analyzing field and laboratory QC samples and reviewing and validating data in accordance with the planning documents for each program. QC samples, including field duplicates and aliquots for laboratory QC (matrix spike/matrix spike duplicates), were collected at a frequency of approximately 20%. Equipment, trip, field, and laboratory blanks were collected and analyzed at the frequencies appropriate for the sampling methods (varies per equipment use and analyses). Laboratory data, including calibration and QC results, were reviewed relative to method-specific performance criteria. For the most part, data were found to be within performance criteria and were determined to be acceptable for project use, including evaluating the nature and extent of constituents and supporting the HHRA and BERA. In cases where the data review process identified usability issues, the data were qualified using the flagging codes noted on the data tables and in the database. In a few instances, QC criteria were exceeded to the point where the data were considered unusable for meeting project objectives. These data are considered rejected, flagged 'R' with no associated value in the database; these are not included in the data tables. Of the 61,000 analytical records in the database, only 123 were rejected (approximately 0.2%) and not available for use. Of these 123 individual results, 40 were associated with VOC results for a single sample.

4.8 Fish Consumption Survey

A fish consumption survey was conducted to document the amount of fishing and how much of the fish is eaten from Choccolocco Creek. The approach to the fish consumption survey was developed as a part of the OU-4 Phase 1 FSP. Following USEPA approval, the survey was conducted to estimate the amount of fish caught and consumed from Choccolocco Creek to be used as inputs to the HHRA. A summary of the survey and the results are presented in this section. The full report entitled *Methodology and Results of the Choccolocco Creek Fish Consumption Survey* (Arcadis 2009a) is included as Appendix C to this OU-4 RI. The area surrounding the creek is rural with a low population density, and public access to the creek is limited. Because of the limited public access for fishing, an angler intercept survey was chosen as the most appropriate method of obtaining data representative of fishing, food preparation, and consumption behaviors associated with the creek (USEPA 1992a). The following information was collected by the survey:

- Locations where anglers access the creek
- The number of persons accessing the creek and the frequency of their visits to fish
- The number of years they have fished on the creek
- The types and sizes of fish caught for consumption
- The methods of preparation before eating the fish
- Estimated annualized rates of fish consumption
- Demographics of the population who fish and eat the fish from Choccolocco Creek

The following subsections summarize the survey design and the findings. In addition, a statewide study was conducted for ADEM by Auburn University Department of Fisheries and Allied Aquacultures (ADEM 1993) covering high-use water bodies (29 sites in 11 river drainages). The fish consumption report includes a comparison between the 2009 Choccolocco Creek survey and the 1993 statewide survey. This comparison is summarized in Section 4.8.4 below and highlights why ADEM study results are not as applicable to Choccolocco Creek as the site-specific study discussed in this section.

4.8.1 Survey Design

The survey was conducted over a one-year period (July 2008 through June 2009) by visiting fishing locations and interviewing anglers on 101 days of the 365-day survey period (the survey was planned for 100 days and an additional day was inadvertently conducted), capturing 27% of the available days for fishing during the year. The sampling schedule was designed to be representative of the following:

- Seasonal variability
- Day of the week (weekday or weekend)
- Time of day (morning or evening)
- Location in the creek (upstream or downstream of Jackson Shoals)

4.8.1.1 Seasonal

Weighting for seasonal variability was based on the findings from the ADEM (1993) study. The number of sampling days for each season (out of the planned total 100 days) was calculated based on the percentage of anglers who fish each season (from the ADEM study). Using this approach, sampling was most heavily weighted to summer (40 days, 40%), followed by spring (25 days, 25%), fall (20 days, 20%) and winter (16 days, 15%). As mentioned above, the survey team inadvertently captured one additional spring weekday to make the actual number of survey days for spring 25 instead of the planned 24 days.

4.8.1.2 Day of the Week and Time of Day

Findings from other studies (e.g., Kinnell et al. 2007) indicate that the number of weekend (Saturday and Sunday) angler visits are comparable to the number of visits during the rest of the week (Monday through Friday) so weekdays were given the same weighting as sampling on weekends (i.e., for each season, sampling was done on an equal number of weekdays as weekend

days) Each day was divided into a morning and an afternoon shift, and two locations (one upstream and one downstream of Jackson Shoals) were surveyed during each shift.

Locations
Jackson Shoals was chosen as the physical boundary between upstream and downstream locations. The creek downstream of Jackson Shoals is wider and more accessible from the stream bank than the creek upstream. Additionally, downstream is accessible by boat from the Highway 77 boat ramp. The areas upstream are more difficult to access and narrower than downstream and, therefore, would most likely only attract people who live near the creek. PCB concentrations in fish and sediment tend to be higher upstream of Jackson Shoals than downstream. Therefore, the fishing and consumption behaviors above Jackson Shoals are critical components of understanding the potential exposure in this reach. For the purposes of collecting data, equal weighting (50:50) was given to locations upstream and downstream of Jackson Shoals. The locations used for the survey were the same as those used to collect the fish tissue samples in support of the OU-4 HHRA, labelled HHFL01 through HHFL09 from downstream to upstream (Figure 4-17). These nine locations are associated with the landmarks and bridge crossings listed below:

Upstream of Jackson Shoals:

- HHFL09 Confluence with Snow Creek
- HHFL08 Friendship Road Bridge
- HHFL07 Highway 21
- HHFL06 Silver Run Road/Flatbridge
- HHFL05 Priebes Mill Bridge
- HHFL04 Old Talladega Road
- HHFL03 Eastaboga Road

Downstream of Jackson Shoals:

- HHFL02 Jackson Trace Road
- HHFL01 Highway 77 boat ramp

4.8.2 Conducting the Survey

The intercept approach is based on the premise that each survey is representative of the larger population fishing in Choccolocco Creek. Using this approach, a total possible population was calculated using the chance of being surveyed (twice per shift = 4) multiplied by the total number of possible available fishing days (365 days per year * 4 times per day = 1,460 possible units). These 1,460 units were apportioned to each day and shift of sampling to define the total number of units that each survey day represented.

Scientists were trained to conduct the survey according to the protocol detailed in Appendix C with the objective of obtaining the most accurate and comparable data possible. On each day of sampling, each observer was stationed at a specified location and documented the anglers observed fishing in the creek at the time. Where possible, each angler was interviewed using the

established survey form (Appendix C). If an angler declined the interview, the observer completed the missed creel report form to the best of their ability based on observations. The purpose of the missed creel report was to record observations about the angler even when no interview was conducted, thereby facilitating estimation of total trips and the size of the entire population using Choccolocco Creek. The interview did not include questions about the fishing advisory, and none of the anglers interviewed mentioned the advisory.

4.8.3 Findings

A total of 72 anglers were observed during the study, and 52 were interviewed and answered some or all of the survey questions. Based on the statistical design of the survey, these 52 anglers are predicted to represent 173 anglers who fish in the creek over a 1-year period and a total population of 1,775 anglers who might fish over a 60-year period. Sixteen anglers declined to participate in the survey and individuals under the age of 16 were not interviewed. Three anglers stated that they had participated in more than one interview; however, the information they provided (e.g., phone number) could not definitively link survey responses to the same person. Of the 52 anglers who were interviewed, 8 had caught fish on the day they were interviewed, 4 kept the fish for consumption, and 3 of those anglers were willing to allow their catch to be measured. These responses form the basis for the consumption calculations discussed below.

4.8.3.1 Locations

Of the 52 anglers who were willing to respond to the survey, the majority (69%) were fishing below Jackson Shoals. Of the 16 individuals (31%) who were fishing above Jackson Shoals, only 2 responded that they fished only above Jackson Shoals. The others reported fishing both above and below Jackson Shoals. At Highway 77, anglers were asked if they fished from the creek bank or from a boat. Of the 28 respondents who answered, 22 fished from shore and 6 fished from a boat. None of these Highway 77 respondents caught fish on the day they were interviewed.

4.8.3.2 Population Demographics and Exposure Durations

Survey results were used to provide summary statistics describing the population who fish in Choccolocco Creek and to estimate exposure durations. Information compiled included the number of trips per year, the ages of anglers, the number of years fishing in the creek, and the distance traveled to fish in the creek. Based on the results from the survey, the mean, median, and maximum numbers of years of fishing in the creek for the local population were estimated as 45, 47, and 60 years, respectively. The distance traveled to fish was calculated from the center of the town the anglers reported as home to the interview point on the creek. The mean, median, and maximum distances traveled to fish in the creek were 8.9, 10.1, and 43.4 miles, respectively. Additional information collected during the survey regarding education level and town of residence is included in Appendix C.

4.8.3.3 Seasonal Variability and Annual Fishing Frequency

Consistent with the design of the survey, the number of people observed and the responses to the survey confirmed that fishing frequency is seasonal. Most individuals fished more in the summer, less in the spring, and significantly less in the fall and winter. This also is consistent with the ADEM survey of Alabama anglers (ADEM 1993). Although some uncertainties are inherent in any sampling study, the extrapolated number of fishing trips per year (6 trips per year) based on the predicted 173 anglers who fish in the creek over a 1-year period, agrees well with the number of trips (7) reported by anglers who completed the survey. This agreement

indicates that the survey methods appropriately captured a representative sampling of the population that fish and consume fish from Choccolocco Creek.

Annual fishing frequency was calculated based on the responses of the interviewed anglers. Anglers were asked how often they fished over the previous four weeks and how often they usually fished each season and which months per season. Their responses were used to calculate the frequency of fishing for each season as the days fished per week times the number of weeks fished per season (calculated from the reported number of months fished per season). If an individual reported that their fishing frequency from the previous four weeks was different than their usual frequency, their response for the previous four weeks was used for four weeks and their usual fishing frequency was used for the other weeks that season. The fishing frequency was calculated for each season. The results from the four seasons were summed to calculate a total annual fishing frequency.

4.8.3.4 Success of Catches

Of the 72 anglers observed, 6 caught fish, but were not interviewed, so the sizes of the fish could not be determined. A total of 52 anglers were interviewed, of these, 8 (15%) reported catching fish, and only 4 kept the fish for consumption. Two individuals reported that they fished for sport only, and 2 released fish because the fish or the catch was too small to keep.

4.8.3.5 Meal Preparation, Species Preferences

Of the four anglers who kept fish, each reported that they would bone, skin, and fry the fish and would eat the muscle/tissue only. Two anglers reported that they would share their meal with one other adult, and two reported that they would not share their meal.

When the 52 interviewees were asked about the species of fish and other animals that they ate, the anglers reported that they ate each of the fish species listed, and that bass was the preferred species. Five anglers reported eating turtles one to two times per year, and one respondent reported eating turtle five times a year. No one reported eating frogs from the creek. The results for crawfish were somewhat inconsistent. One respondent stated that they ate crawfish, but when asked how often, stated that they had not eaten crawfish from Choccolocco Creek. It is possible that the respondent was stating that they ate crawfish, but not crawfish caught from Choccolocco Creek.

4.8.3.6 Size of Catches and Calculated Annualized Consumption Rates

Of the four anglers who kept fish, three allowed their catch to be measured. Weights were estimated based on field measurements of length and width and using a log transformed regression equation using data provided by Alabama Department of Wildlife and Freshwater Fisheries (unpublished data, Damon Lee Abernethy, Fisheries Development Coordinator, July 28, 2009; [ADWFF 2009]) (Appendix C of Appendix C to this RI). The edible portion of fish was estimated as 30% of the calculated total weight of the catch based on USEPA guidance (USEPA 1989). Based on the results of the survey, an overall fishing success rate of 15% (8 out of 52 anglers) was calculated. This 15% was applied to each of the angler's calculated annual number of trips. Therefore, the annual consumption rate for each angler was calculated as 30% of the weight of the catch multiplied by 15% of the calculated annual fishing trips divided by the number of persons sharing the meal and 365 days per year. The estimated masses of the three catches were 350 grams, 266 grams, and 1,194 grams, and the estimated number of trips per year for these three anglers was 2, 13, and 54. Using these values, the estimated annualized

consumption rates were 0.14 grams/day, 0.44 grams/day, and 7.9 grams/day (average = 2.8 grams/day).

4.8.4 Comparison with ADEM 1993 Study

The fish consumption survey also includes a comparison to the ADEM survey (ADEM 1993). Several differences in approach between the two surveys were identified that could explain the higher fish consumption rates reported in the 1993 ADEM survey relative to the 2008/2009 study. The most significant differences were the sizes of and public access to the water bodies where the anglers were interviewed and the assumptions for meal preparations. The ADEM survey targeted 29 sites in 11 river drainages that were considered high-use water bodies. Choccolocco Creek was not included in the ADEM survey. In addition, the ADEM survey did not take into consideration the seasonality of both the fishing frequency and catch rates or the potential for avidity bias. Avidity bias is the bias in survey results that occurs because the more frequently people fish, the more likely they are to catch and eat the fish and the more likely they are to be interviewed. Although the magnitude of the potential for seasonality and avidity bias is not directly quantifiable, the sizes of the water bodies and the assumptions regarding food preparation are directly related to the calculated consumption rates.

Choccolocco Creek is smaller than and not as accessible to the public for fishing as most of the water bodies used in the ADEM study. Of the 29 sites in the ADEM study, the Pea River was the closest in size and nature to Choccolocco Creek. Also, a fishing advisory was not in place on the Pea River when the survey was conducted (1993), which means the data collected were representative of unrestricted angling activities. The average consumption rate calculated for the Pea River was 3.4 grams/day. This was comparable to the average rate from the Choccolocco Creek survey (2.8 grams/day), and significantly lower than the overall average from the ADEM survey of 30 and 33 grams/day, depending on the calculation method.

Regarding food preparation, the ADEM study assumed 70% of the total mass of caught fish was consumed. This is based on the interview responses that the fish were cleaned (viscera removed) and that the remainder of the fish was eaten. Although small pan fish of the type likely to be caught in these smaller rivers are likely cooked with skin and bones intact, they are not necessarily eaten that way (i.e., head and bones are usually not consumed). The 2009 survey uses a 30% mass factor and is more consistent with findings from other studies (Ebert et al. 1993) and USEPA guidance (USEPA 1989).

The results of the fish consumption study were used, in part, by USEPA in conducting the OU-4 HHRA (Section 7 and Appendix K).

4.9 Creek Bank Stability Investigation

A creek bank conditions survey was conducted for the OU-4 portions of Choccolocco Creek by P/S in 2012 and 2014. The survey was conducted in 2012 and 2014, and the process to conduct the survey and results are discussed below. The survey was designed to build on the significant work that was previously conducted to assess creek banks under the RCRA and CERCLA programs. The earlier RCRA investigations included the development of detailed creek bank cross sections and photographic documentation of creek bank conditions as part of a transect sediment sampling program, and top-of-bank sampling to assess PCBs in areas where the creek bank conditions were unstable. The 2012/2014 creek bank survey design was also based on the significant field work conducted during the CERCLA investigations, including sediment, surface

water, biota sampling and habitat assessment activities. The 2012/2014 creek bank survey included a desktop study, site reconnaissance, and geographic information system (GIS) analysis to document creek bank conditions in OU-4. The field aspects of the survey were conducted over two separate field seasons (2012 and 2014) based on scheduling, and given the temporal scale for geomorphological changes, are considered as a single survey (2012/2014).

The 2012/2014 conditions survey characterized the potential for erosion along the creek bank. The conditions rankings refer to the potential for erosion of bank material by fluvial processes and included assessment of the floodplain soils located adjacent to the creek bank that could erode into the creek as part of bank sloughing. The assessment of bank stability in Snow and Choccolocco Creeks included the following steps:

- Desktop study to identify locations of interest and potential bank stability indicators including a review of historical data and aerial photographs
- Site reconnaissance
- Bank stability classification and mapping

4.9.1 CERCLA Creek Bank Survey

The CERCLA Creek Bank Survey began with a desktop evaluation conducted to identify bank erosion conditions in Snow and Choccolocco Creeks. The purpose of the desktop analysis was to identify areas with varying erosion potential as well as areas that might be representative of bank stability indicators that might be useful for future measures of rates of bank erosion. Areas of interest identified during the desktop evaluation (Section 4.9.1.1) were reviewed in the field during reconnaissance efforts that are presented in Section 4.9.1.2. The creek bank classification and mapping approaches are described in Section 4.9.1.3, and a summary of bank stability findings is provided in Section 4.9.1.4.

Once areas were identified, a reconnaissance was conducted to observe creek bank conditions and map them based on erosion potential in 2012 and 2014. The observations of bank conditions made during the site reconnaissance were used to define bank stability classes.

The findings from the bank conditions survey are presented on a series of 10 figures, including 1 location key figure (Figure 4-37a) and 9 figures (Figures 4-37b through 4-37j) showing the creek bank conditions ratings for Snow Creek and Choccolocco Creek.

Details of the desktop evaluation, site reconnaissance, stability classes, and the results of the survey are provided in the following subsections.

4.9.1.1 Desktop Study to Identify Areas of Interest

The desktop study included a review of previous studies and historical aerial photography. Areas of interest were identified based on the potential for erosion and that were representative of various bank erosion mechanisms or stability (e.g., undercutting, general slope failure, vegetation cover and debris accumulation, soil characteristics, built infrastructure) and channel characteristics (e.g., channel type; sinuosity, channel width and depth, slope variation; morphological features; high gradient upper catchment, channelized urban creek, low gradient backwater, meandering or braided sections).

Historical aerial photos were reviewed to determine whether significant movements of the channel over time could be identified and to understand the timing and extent of changes that might be attributed to erosion. The aerial photos were used to identify geomorphic features that are indicative of bank erosion (e.g., sharp bends, banks lacking vegetation, structural controls). Areas that appeared to have features indicative of erosion were flagged as areas of interest to be visited during the site reconnaissance.

Areas of interest were identified during the desktop review to focus Site reconnaissance efforts on obtaining present day observations from areas thought to be representative of differing creek bank conditions. The objectives were to provide a basis for defining indicator areas and to develop a bank stability classification that could be applied to the OU. Areas of interest were identified based on meeting one or more of the following criteria:

- Identified in previous study as having active bank erosion
- Identified in aerial photo review as having potential for erosion
- Considered to be representative of a reach
- Considered to be representative of a class of erosion

Areas of interest in the Snow Creek and Choccolocco Creek portions of OU-4 for field reconnaissance were also chosen where previous cross-section surveys were collected and at locations where the Real-Time Kinematic (RTK) global positioning system (GPS) equipment could be used to map bank position.

4.9.1.2 Site Reconnaissance

The reconnaissance work was conducted in 2012 and 2014 to observe creek bank conditions and map them based on erosion potential. The work in 2012 included the OU-4 portion of Snow Creek downstream to where Flat Bridge crosses Choccolocco Creek (RM 29). The section of Choccolocco Creek from RM 29 to Highway 77 (RM 6.5) was surveyed in 2014. The surveys included a visual assessment to document bank conditions, channel morphology, creek bank and adjoining floodplain soil characteristics, and vegetation type and cover. A hand-held GPS was used to locate and map bank features and to provide georeferencing for the field observations.

Areas of interest in Snow Creek identified in the desktop review were accessed from the land side. Choccolocco Creek was floated in canoes from upstream to downstream, taking GPS-linked photographs of bank conditions and mapping the approximate extents of bank features with handheld GPS units.

4.9.1.3 Bank Stability Classification and Mapping

The observations of bank conditions made during the site reconnaissance were used to define bank stability classes. The stability classification system was based on the visual assessment and was similar to those described in Shields and Doyle (2000). Creek segments were classified as one of five stability classes, ranked numerically from 0 to 4:

- 0, Stable
  - No visible signs of erosion
  - Robust bank vegetation

    - Substantial riparian buffer width and/or stable riprap in place
- 1, Relatively Stable
    - No visible signs of active erosion, sparse bank vegetation or lacking a substantial riparian buffer
    - Possible historical erosion
    - Riprap in place that appears to be functioning, may require maintenance
- 2, Minor Erosion
    - Minor signs of past or present erosion
    - Localized erosion (e.g., at woody debris or bank feature)
    - Roots and small vegetation still providing stability to a limited extent
    - No active undercutting or slumping
- 3, Moderate Erosion
    - Visible signs of past or present erosion
    - Erosion extends beyond localized feature
    - Riparian vegetation limits the lateral extent of erosion
    - Active undercutting or slumping of bank material
- 4, Severe Erosion
    - Bare, nearly vertical banks
    - Substantial erosion scarp extends the length of the reach
    - No riparian vegetation to limit lateral migration
    - Evidence of recent or ongoing erosion

The areas of interest in Snow Creek and Choccolocco Creek that were identified in the desktop study were visited during the site reconnaissance. Snow Creek was accessed from the shoreline and observed from between Highway 78 and the confluence with Choccolocco Creek. Choccolocco Creek was accessed by canoes from the backwater area to Highway 77, stopping at areas of interest identified in the desktop review for more detailed visual assessments and to collect waypoints and GPS-linked photographs.

4.9.1.4 Bank Stability Findings

The findings from the bank conditions survey are presented on a series of 10 figures, including 1 location key figure (Figure 4-37a) and 9 figures (Figures 4-37b through 4-37j) showing the creek bank conditions ratings for Snow Creek and Choccolocco Creek. This includes the 0.6 miles of Snow Creek in OU-4 on Figure 4-37b and the 30 miles of Choccolocco Creek that were assessed on Figures 4-37b through 4-37j. The rankings for Snow Creek are inclusive of both banks based on the narrow and straight nature of the creek and that conditions on both banks for a given location are consistent. The broader and meandering nature of Choccolocco Creek required that both sides of the creek at a given location be separately rated.

The creek bank survey results for the OU-4 portion of Snow Creek presented on Figure 4-37b using color-coding for the range on ranking conditions. The creek bank conditions for this portion of Snow Creek are generally characterized by moderate and severe erosion. These conditions are consistent with the urbanized and flashy nature of creek flows that occur in this area, and that vegetation along the creek banks is frequently cut through maintenance activities, contributing to destabilization of the banks. The portion of Snow Creek that flows under I-20 is stable and consistent with the riprap materials placed during the widening of I-20.

The creek bank conditions for Choccolocco Creek are presented on Figure 4-37b through 4-37j. There is a wide range of creek bank stability conditions along the creek, and the variations from bank to bank at a given location are consistent with the geomorphological characterization of the creek including meanders and oxbows. While this side-to-side variability exists, the change in creek banks conditions moving from upstream to downstream is more gradual. While the changes moving from upstream to downstream is gradual, a change in overall character is clear at RM 29.5 (Figures 4-37a and Figure 4-37d). Upstream of RM 29.5, the creek banks conditions are generally characterized as having long reaches of minor and moderate erosion. Downstream of RM 29.5, creek bank conditions are generally characterized as stable and generally stable. Creek bank conditions in this lower 23-mile reach of Choccolocco Creek are consistent with the characteristic of the creek including a wider distance from bank to bank, a shallower slope (or gradient) for the creek bed from upstream to downstream, and the increased level of old-growth vegetation present along the banks.

5. NATURE AND EXTENT OF CONTAMINATION

This section presents the nature and extent of contamination within OU-4. The distributions of constituents in potential exposure media are discussed. This section is organized by potential exposure media, including floodplain soils, sediment, surface water, fish tissue, ecological species, groundwater, and air. The sections are further subdivided, where appropriate, into PCBs and other COPCs. A summary of key findings regarding the nature and extent of contamination is presented as Section 5.8.

5.1 Floodplain Soils

The nature and extent of constituents in floodplain soils was developed from the comprehensive dataset collected over many years and under multiple programs (Section 4.1). Sampling and removal actions were also conducted on residential properties in the floodplain (Section 3.1). The years of data collection efforts have produced a robust dataset suitable for defining the nature and extent of contamination in floodplain soils in OU-4 and to inform the associated human health and ecological risk assessments (Sections 7 and 8).

The distributions of PCBs in surface and subsurface soils are presented in the Figure 5-1 series. This figure series also shows the properties where residential sampling and removals have been conducted in OU-4. The Figure 5-1 series shows the EUs from the OU-4 HHRA (JMWA 2013) and presents the PCB concentration ranges for the surface and subsurface samples using colored symbols. Where subsurface data are available, the outer color represents the subsurface PCB concentration range. The surface soil concentrations are for the 0–1-foot interval, and the subsurface concentrations reflect the maximum PCB concentration at a given location based on samples collected below the upper foot. Locations where data in addition to PCBs and mercury data are available include a black dot in the center on the sample location symbol. The floodplain soil data presented in the Figure 5-1 series documents that the nature and extent of constituents in soils have been comprehensively defined for OU-4. The dataset collected for other constituents also support the OU-4 HHRA and the OU-4 BERA. These data include mercury results for more than 70% of the soil samples analyzed for PCBs and the over 250 soil samples analyzed for the wider list of constituents.

The PCB data for floodplain soil samples are plotted on Figure 5-2 as a function of distance downstream and on Figure 5-3 based on distance away from the creek bank. The data on these figures show that PCB concentrations in soil are markedly lower beyond 500 feet from the creek bank and downstream of the confluence of Choccolocco and Coldwater Creeks. These results are consistent with the preliminary CSM for OU-4 (BBL 2003) that was developed before many of the characterization efforts presented in this OU-4 RI were completed. The elevated concentrations are generally limited to within 500 feet of the creek bank and the first 10 miles of the floodplain downstream of Choccolocco Creek's confluence with Snow Creek.

The nonresidential PCB concentrations in soil are summarized in Tables 5-1 through 5-3. Table 5-1 lists each sample location with the maximum surface (upper foot) and upper foot length-weighted average PCB concentrations for each location. Table 5-2 provides a summary of surface soil PCB data for each EU. PCB concentrations for subsurface soil (collected below the upper foot) are presented in Table 5-3 and include maximum and length-weighted concentrations. An example of the length-weighting process is shown below for a situation

where the upper 12 inches of soil includes a sample collected from the 0–2-inch interval and the 2–12-inch interval. For this hypothetical case, the surface PCB concentration would be calculated as the sum of each concentration times the length divided by the total length (12 inches for surface samples), for example:

$$\frac{\left[\left(\frac{mg}{kg} x\ 2\ inches\right) + \left(\frac{mg}{kg} x\ 10\ inches\right)\right]}{12\ inches}$$

When only one result was available for the 0–1-foot interval at a given location (e.g., for only the 0–3-inch interval), the single concentration value was used as the concentration of the 0–1-foot horizon. Subsurface length-weighted averages were calculated with the same process, using data from each depth interval, for all samples collected from below 12 inches. Data for other constituents are discussed in their own subsections following the PCBs.

5.1.1 PCBs in Nonresidential Soil

5.1.1.1 PCBs in Surface Soils

As discussed in Section 4, the PCB dataset for floodplain soils were generated by multiple parties over multiple sampling programs. From the various floodplain soil sampling programs, over 2,250 samples have been analyzed for PCBs. To facilitate the management of the data and to assess different exposures throughout the 6,000 acres of floodplain, the OU-4 floodplain was divided into 25 EUs, which are listed in Table 5-2, summarized on Figure 4-1, and included on the Figure 5-1 series. The length-weighted averages (see above) for each location in nonresidential areas are listed in Table 5-1 and presented geographically on the Figures 5-1a through 5-1j.

Surface soil PCB concentrations consistently decrease with distance downstream from the confluence with Snow Creek (Figure 5-2; Table 5-2). PCB concentrations also decrease as a function of distance from the creek bank (Figure 5-3). Concentrations are low in a few of the upstream EUs—most notably, the two EUs located in the backwater area. In these two EUs, the surface soil length-weighted average PCB concentrations are well below 1 mg/kg (C2N-EU2 [0.15 mg/kg] and C2S-EU1 [0.085 mg/kg]). The surface soil length-weighted average PCB concentrations in over 76% of the EUs (19 of 25) are less than 5 mg/kg, and 32% of the EUs (8 of the 25) have surface soil average PCB concentrations below 1 mg/kg. The surface length-weighted average is equal to or above 10 mg/kg in three EUs. These three EUs include a commercial area bordering Snow Creek near Recreation Drive C1-EU2 (27 mg/kg) and two EUs that are located just downstream of the Snow Creek confluence with Choccolocco Creek. These two EUs directly border this upper reach of Choccolocco Creek and include C3N-EU1 (12 mg/kg) and C3S-EU1 (10 mg/kg).

5.1.1.2 PCBs in Subsurface Soils

Nonresidential subsurface soil results for each location are listed in Table 5-3. Results for each sampling location are shown on the Figure 5-1 series with the outer halo on the sampling points indicating the PCB concentration range for the highest measured value at that location for samples collected below the upper foot. Subsurface length-weighted PCB concentrations are also presented in Table 5-3 and were calculated in the same way as the length-weighting described above for the surface samples, using the depths and concentrations from each interval at a given location.

With consideration given to overland flow and deposition as the primary mechanisms for PCBs in the floodplain, the subsurface investigations were focused on identifying the depth of constituents, especially at the locations with the highest surface concentrations. Although the surface soil sampling efforts were designed to achieve comprehensive overall spatial coverage of the OU, the subsurface soil sampling locations were targeted to areas within the OU that had the highest surface soil PCB concentrations. For most EUs, this occurred adjacent to the creek bank.

For most of the EUs, the subsurface concentration distributions were similar to the surface concentration distributions and show the same decreasing concentrations with distance downstream. For the most part, subsurface length-weighted averages tend to be higher than the surface averages, indicating that higher concentration materials were deposited in the past and have since been overlain with soils that have lower concentrations. For subsurface soils, three EUs (13%) have length-weighted average concentrations less than 1 mg/kg. Four EUs (17%) have concentrations above 1 and less than 5 mg/kg. Five EUs (22%) have concentrations between 5 mg/kg and 10 mg/kg, and 7 EUs (30%) have length-weighted average subsurface PCB concentrations above 20 mg/kg. Because of the sampling program bias to collect samples where surface concentrations were highest, the subsurface results provide an overestimate for the concentration of PCBs that are present at 1 foot or more bgs.

5.1.2 Other COPCs in Nonresidential Soil

An overall summary for non-PCB constituents in soil is provided in Table 4-2, and this nature and extent evaluation focuses on the list of non-PCB constituents identified as COPCs in the OU-4 HHRA and the OU-4 BERA. These constituents were selected based on a combination of frequency of detection, toxicity, and measured concentrations. The non-PCB COPCs selected for soil included PCDD/DFs, chromium, lead, mercury, and vanadium, and the nature and extent of these constituents is discussed below.

For metals, it can be difficult to discern anthropogenic sources from naturally occurring background. To provide context for comparative purposes, the Site data are sometimes compared with representative, naturally occurring background concentration levels from nearby Fort McClellan (Science Applications International Corporation [SAIC] 1998, IT Corporation 2000). Consistent with risk assessment guidance (USEPA 2000c), constituent concentrations less than twice the mean background concentration are generally considered to be naturally occurring or anthropogenic background.

5.1.2.1 PCDD/DFs in Soil

The PCDD/DF results for soil are presented on Figures 5-4 and 5-5. Figure 5-4 presents the soil data graphically as a function of distance downstream. Figure 5-5 presents the PCDD/DF soil data as a function of distance from the creek bank. The PCDD/DF results are presented on a concentration basis and not a TEQ basis as the nature and extent of these constituents are driven by their sources and applicable fate and transport mechanism and not their toxicity (TEQ). The toxicity of PCDD/DFs was evaluated in the risk assessments on a TEQ basis in the OU-4 HHRA and the OU-4 BERA.

As shown on Figures 5-4 and 5-5, the concentrations of total PCDD/DFs in floodplain soils are generally less than 10 µg/kg (on a mass basis) and increase in concentration moving downstream. This distribution in floodplain soils is different from the distribution of PCBs. For PCBs, there is an obvious pattern with higher upstream concentrations and a decrease in

concentration with distance downstream. In contrast to the PCBs, the concentrations of PCDD/DFs are distributed more sporadically and where there are higher concentrations, they are located farther downstream. The relatively consistent concentrations and the distribution of PCDD/DFs is consistent with atmospheric deposition and an upwind source(s) of PCDD/DFs located to the west of OU-4. There are multiple potential upwind PCDD/DF sources located to the west of OU-4. These potential sources include numerous coal-burning power plants located in the Birmingham, Alabama, area and a larger papermill located southwest of OU-4 in Childersburg, Alabama, that has operated for over 60 years (The State 1958). Other potential PCDD/DF upwind sources include a range of industries located west of OU-4 including other coal-burning industries (e.g., steel mills), medical waste incineration, and municipal waste incineration. The industry types mentioned above were identified by USEPA as potential PCDD/DF sources in an inventory of sources and environmental releases of dioxin-like compounds initially published in 2006 (USEPA 2006b) and issued as a draft for public comment in 2013 (USEPA 2013b).

The combined distributions of TEQ and PCBs in OU-4 soil, relative to the distance from Lake Logan Martin and based on the distance from the creek bank, are presented on Figures 5-6 and 5-7, respectively. The calculation of TEQ included both PCDD/DFs and DL-PCBs, and zero was used for those cases where the constituent congeners were nondetect. The results in Figures 5-6 and 5-7 indicate that the distribution of TEQ is different than PCB, with the highest TEQ concentrations located at the downstream end of OU-4 (Figure 5-6) and at distances that are more than 500 feet away from the edge of the creek (Figure 5-7). These findings are consistent with a combination of PCDD/DF sources located in the OU-4 watershed (including the Facility) and upwind of the OU-4 watershed with the more significant sources appearing to be located upwind of the OU.

5.1.2.2 Chromium in Soil

Soil results for chromium are summarized in Table 4-2. Figure 5-8 presents the results for chromium in floodplain soil based on the distance from Lake Logan Martin, and Figure 5-9 presents the results based on distance from the creek bank. The distribution of chromium in OU-4 is consistent with the presence of current and/or historical industrial sources upstream in the Anniston area. Of 158 samples, only 12 (8%) had a concentration higher than twice the Fort McClellan mean of 19 mg/kg. The OU-4 mean of 16 mg/kg was slightly less than the Fort McClellan mean of 19 mg/kg, and the OU-4 maximum in soil was 80 mg/kg, less than the Fort McClellan maximum of 134 mg/kg. The widespread nature and concentrations of chromium are also consistent with USGS (1984) regional background data for metals in soils and data collected for Fort McClellan (SAIC 1998). These background data reflect a combination of naturally occurring materials and broader regionalized sources.

5.1.2.3 Lead in Soil

Lead in soil data are summarized in Table 4-2 and are shown as a function of distance downstream on Figure 5-10. Lead concentrations as a function of distance from the creek bank are shown on Figure 5-11. The lead concentrations in OU-4 soils are significantly lower than in and around OU-1/OU-2. The former foundries in and around the Anniston area are known source(s) of lead on the Anniston Lead Site. The residential cleanup goal for lead on the residential properties in OU-1/OU-2 was 400 mg/kg. The highest concentration in OU-4 was 130 mg/kg, and the average was 28 mg/kg.

5.1.2.4 Mercury in Soil

Mercury concentrations in soils are shown on Figures 5-12 and 5-13 and are included in Table 4-2. The average mercury concentration in soil was 1.1 mg/kg, and the maximum detected concentration was 33 mg/kg. The concentrations tend to be higher than in OU-1/OU-2 and are supported by ADEM listing Choccolocco Creek as an impaired water body under Section 303 (d) of the Clean Water Act due to atmospheric sources (ADEM 2014). Potential mercury sources include the mercury cell process that operated at the Facility and a range of nearby atmospheric sources. A mercury cell process was operated at the Facility from 1952 to 1969 for the sole purpose of generating chlorine that was reacted with biphenyl to manufacture PCBs. A wide range of other industries located upwind of OU-4 are potential atmospheric mercury sources. These industries include hospitals with incinerators and coal-fired plants, including multiple power generation plants that are located upwind in the Birmingham, Alabama, area. One power plant located in Jefferson County reportedly released over 1,000 pounds of mercury to the atmosphere in 2010 (Environment America Research & Policy Center 2011).

The distributions of PCBs and mercury in soil based on distance from Lake Logan Martin are presented in Figure 5-14. These combined results show that mercury concentrations are generally lower than PCBs with a similar but less dramatic decrease in concentrations in a downstream direction and that concentrations do not diminish at the most downstream end of the OU. The combined distributions of PCBs and mercury based on distance from the creek bank are presented on Figure 5-15. The results for both constituents show a similar trend with concentrations decreasing with distance from the creek bank with mercury concentrations tending to be higher for samples collected more than 1,000 feet from the creek bank. These findings are consistent with a combination of mercury sources located in and upwind of the OU-4 watershed with the more significant sources located in the OU-4 watershed.

5.1.2.5 Vanadium in Soil

Vanadium in soil data are summarized on Figures 5-16 and 5-17 and in Table 4-2. The concentrations in OU-4 soils are relatively low and generally lower than in OU-1/OU-2. The maximum concentration detected was 45 mg/kg, less than twice the Fort McClellan mean of 31 mg/kg and the mean detected in OU-4 was 20 mg/kg. Figures 5-16 and 5-17 illustrate how the concentrations are distributed around the mean, suggesting that the vanadium present in OU-4 may be naturally occurring or from a relatively low, ubiquitous, possibly atmospheric, source. The widespread nature and concentrations of vanadium are consistent with regional background data for metals in soils from USGS (1984) and data collected for Fort McClellan (SAIC 1998).

5.2 Sediment

The sediment dataset for OU-4 is comprehensive in defining the nature and extent of PCBs and the wider list of COPCs evaluated in the OU-4 HHRA and the OU-4 BERA. The individual PCB results are presented in Table 4-6, and summary statistics for the wider list of constituents are presented in Table 4-7. Data from Choccolocco Creek upstream of the Snow Creek confluence are included in Table 4-8. OU-4 sediment data as average PCB concentration by geographic reach and sediment texture are summarized in Table 5-4. The PCB results are graphically presented as a function of distance downstream on Figure 5-18. The PCB results are also presented as spatially weighted average concentration (SWAC) values for surface sediment (upper foot) by reach in Table 5-5 based on the 250 individual surface sediment PCB measurements. The geographic distribution of these 250 samples on a per reach and sediment

texture basis (fine, coarse, and gravel) is also presented in Table 5-5. For those portions of the creek where sediment could not be sampled due to the presence of bedrock or boulders (approximately 15% of the creek bed), the nondetect reporting limit for PCBs in sediment (0.05 mg/kg) was used to develop the SWAC values for each reach. These SWAC values are graphically presented for the OU-4 creek reaches on Figure 5-19.

5.2.1 PCBs in Sediment

The PCB distributions in OU-4 sediment are discussed below. The section is divided to discuss PCBs in sediment in Snow Creek and Choccolocco Creek. Data for other COPCs identified in the HHRA, BERA, and/or as requested by USEPA follow the PCB discussions.

5.2.1.1 Snow Creek Sediment

Snow Creek sediment PCB data include the mapping of 28 sediment deposits in the Snow Creek portion of OU-4 and the collection and analysis of 38 samples from 16 of the deposits containing the fine-grained sediment. The sediment deposit mapping is discussed in Section 4.2.1 and shown on Figure 4-7. The sediment sample PCB results are included in Table 4-6. The data for the Snow Creek portion of OU-4 are summarized by deposit type in Table 5-4 with an average surface sediment PCB concentration of 5.3 mg/kg (Table 5-5). Measured PCB concentrations for most of the sediment samples were less than 5 mg/kg and tend to decrease slightly with distance downstream. Samples from S-6-03 had the highest concentrations with a surface (upper foot) weighted average of 14 mg/kg. The average PCB concentrations from S-6-02, S-6-13, S-6-17, and S-6-27 were 5.6 mg/kg, 7.4 mg/kg, 6.8 mg/kg, and 5.1 mg/kg, respectively, and were the only other Snow Creek sediment locations with average concentrations above 5 mg/kg (Figures 4-3b and 4-3c).

5.2.1.2 Choccolocco Creek Sediment

Choccolocco Creek sediment was sampled and analyzed through several programs that collectively provide 582 sediment samples from nearly 300 locations to define the nature and extent of PCBs in the Choccolocco Creek portion of OU-4. Over 20% of these samples were also analyzed for constituents other than PCBs and provided a complete dataset to evaluate COPCs in the OU-4 HHRA and OU-4 BERA. Individual sediment sample PCB results are included in Table 4-6; data for other constituents are summarized in Table 4-7 and discussed in additional detail below. Sediment PCB data are plotted in plan view along with soil data on the Figure 4-3 series and are plotted as a function of distance downstream on Figure 5-18. SWAC values are calculated for geographical reaches and are plotted on Figure 5-19. The nature and extent data were used to support the exposure assessments in the OU-4 HHRA and OU-4 BERA discussed in additional detail in Sections 7 and 8. The SWAC PCB concentration in the Backwater area just upstream of Friendship Road is 4.9 mg/kg, and SWAC values are all less than 1 mg/kg downstream from Friendship Road (Figure 5-19).

The process to develop the SWAC values presented in Table 5-5 and on Figure 5-19 uses the average PCB concentration for a given sediment textural class within a geographic reach (Table 5-4) to generate an average exposure value that is representative of the reach as a whole. The sediment textural classes include fine (f) sediment, coarse (c) sediment, gravel (g), and areas where material was not recovered (nr).

The SWAC values for surface sediment in the various creek reaches in OU-4 were calculated with the nature and extent data and ecological sediment data collected under the RCRA and

CERCLA programs. These data were identified by location, sediment textural class, and PCB concentration and can thus be used to calculate SWAC values for the various reaches of Choccolocco Creek. The SWAC calculation process includes multiplying the PCB concentration by the area for a specific texture of sediment, summing these values, and then dividing by the total sediment area in the reach, as shown in the equation below:

$$SWAC = [(A_f * P_f) + (A_c * P_{c)} + (A_g * P_{g)} + (A_{nr} * 0.05)] / (A_f + A_c + A_g + A_{nr})$$

Where

f, c, g, and nr are defined as above

A = area

P = average PCB concentration

The PCB concentration of areas where no sediment was recovered (nr) is assumed to be 0.05 mg/kg, which is the approximate reporting limit for most sediment PCB samples.

The highest concentrations of PCBs in sediment are found in the backwater area upstream of the Snow Creek confluence (Figure 5-18 and Figure 5-19). This area is relatively flat with low surface water flow and backs up and floods during high-flow events. These data show that fine-grained particulates with PCBs from Snow Creek were deposited in channels and low-lying areas in the backwater area. As a result of periodic high-flow events over time that conveyed less PCBs into the backwater area, the higher concentration sediments tend to be present in the deeper sediment intervals. As the sources of PCBs in the upstream watershed have been reduced over time, the concentration of PCBs associated with particulates has decreased over time, and the concentrations in sediments near the surface are lower than those at depth. These processes are consistent with the geochronological data for the backwater area (Figure 4-19) that show a continuous pattern of sediment deposition, the reduction of PCB sources over time, the sequestration of higher concentrations at depth, and the long-term stability of sediment in portions of the backwater area.

5.2.2 Other COPCs in Sediment

Consistent with the approach used for soils, the nature and extent evaluation for non-PCB constituents in sediment includes those identified in the OU-4 HHRA and the OU-4 BERA as COPCs. The nature and extent evaluation included PCDD/DFs, barium, chromium, cobalt, mercury, and vanadium.

5.2.2.1 PCDD/DF in Sediment

The results for PCDD/DFs in sediment on a concentration basis are shown on Figure 5-20. The concentrations of samples collected from Snow Creek are higher relative to those collected in Choccolocco Creek and are reflective of the urban and industrial nature of the Anniston area. The results for Choccolocco Creek show relatively low concentrations of PCDD/DFs; the Choccolocco Creek results are lower than the highest concentration samples collected by the Natural Resource Trustees (Trustees) in Lake Logan Martin (Schein et al. 2015). The sediment samples collected by the Trustees in Lake Logan Martin are more proximate to potential upwind PCDD/DF sources, and the results are consistent with the PCDD/DF results for soil samples that the Trustees collected in this area that is upwind of OU-4.

The combined distributions of TEQ and PCBs in OU-4 sediment relative to the distance from Lake Logan Martin are presented on Figure 5-21. The calculation of TEQ included PCDD/DFs and DL-PCBs, and zero was used for those cases where the constituent congeners were nondetect. The results presented in Figure 5-21 indicate that the distribution of TEQ is different than PCB, with TEQ concentration in OU-4 sediment being lowest in the Backwater area and relatively consistent, although slightly increasing, with distance moving downstream. The concentrations of TEQ and PCBs for samples collected from background locations in Choccolocco Creek upstream of OU-4 are lower than the downstream results. These collective results support the potential influence of multiple TEQ sources, including the upstream Snow Creek watershed, WWTP discharges located downstream of the Backwater area that discharge to Choccolocco Creek, and historical sources located upwind of OU-4.

5.2.2.2 Barium in Sediment

Barium concentrations in sediment are shown on Figure 5-22 and summarized in Table 4-7. With the exception of two relatively high concentrations at the confluence with Snow Creek, the barium concentrations were consistently low, usually less than 250 mg/kg with a mean of 160 mg/kg. There also appears to be an area with slightly elevated barium concentrations at RM 24, which is located downstream of three permitted outfalls that discharge to Choccolocco Creek near RM 28.

5.2.2.3 Chromium in Sediment

Chromium concentrations in sediment are summarized in Table 4-7 and plotted as a function of distance downstream on Figure 5-23. The majority of chromium concentrations are less than 40 mg/kg, and, absent several elevated values in Snow Creek and Choccolocco Creek, the concentrations are relatively consistent. The chromium concentrations in Snow Creek are consistent with the industrial nature of the watershed, which includes many chromium-related industries. Two of the three Choccolocco Creek samples with elevated concentrations (greater than 41 mg/kg) were collected at RM 24, which is located downstream of three permitted discharges.

5.2.2.4 Cobalt in Sediment

Cobalt concentrations in sediment are summarized in Table 4-7 and plotted as a function of distance downstream on Figure 5-24. Cobalt concentrations for sediment are relatively consistent with the mean concentration of 9.5 mg/kg. The similar and low concentrations throughout most of OU-4 are similar to background conditions on Choccolocco Creek upstream of OU-4 (Figure 5-24) and suggest most of the cobalt is the result of naturally occurring background. The few higher concentrations in Snow Creek and at near the outfall at RM 24 are consistent with relatively minor industrial-related sources that may be present in the watershed.

5.2.2.5 Mercury in Sediment

Mercury concentrations in sediment are summarized in Table 4-7 and plotted on Figure 5-25. In OU-4, the average mercury concentration in sediment was 2.5 mg/kg with the highest concentrations clustered in the backwater area. This is consistent with the industrial nature of the Snow Creek watershed and the depositional nature of the backwater area located at the confluence of Snow and Choccolocco Creeks. Mercury concentrations in sediment downstream of the backwater area do not decrease with distance downstream. This distribution is indicative of ambient sources and is supported by ADEM's listing of Choccolocco Creek as an impaired water body for mercury under Section 303 (d) of the Clean Water Act due to atmospheric

sources (ADEM 2014). Potential atmospheric mercury sources include local hospitals with incinerators and industries with coal-fired plants, including the power generation plants located upwind of OU-4 in the Birmingham, Alabama, area. One power plant located in Jefferson County reportedly released over 1,000 pounds of mercury to the atmosphere in 2010 (Environment America Research & Policy Center 2011). Other potential mercury sources to OU-4 included a mercury cell process that operated at the Facility from 1952 to 1969 for the sole purpose of generating chlorine that was reacted with biphenyl to manufacture PCBs.

The combined distributions for PCBs and mercury in sediment are presented on Figure 5-26. The results show that concentrations for both constituents are elevated in the Backwater area and supports the presence of potential sources in the upstream Snow Creek watershed, including the Facility (OU-3). The concentrations for both constituents decline with distance downstream along Choccolocco Creek with mercury concentrations remaining more consistent over the length of the Creek. This includes some of the highest mercury concentrations measured in sediment downstream of the Backwater area at the most downstream end of OU-4. Similar to the findings for mercury in soils, these results are consistent with a combination of mercury sources located in and upwind of the OU-4.

5.2.2.6 Vanadium in Sediment

Vanadium concentrations in sediment are summarized in Table 4-7 and plotted as a function of distance downstream on Figure 5-27. Consistent with the distributions of barium, chromium, and cobalt in sediment, the higher concentrations were found in Snow Creek and samples collected at RM 24 that is located downstream of several permitted discharges. The mean concentration of vanadium in sediment was 18 mg/kg, and the maximum concentration was 63 mg/kg at RM 24. As shown on Figure 5-27, the concentrations in the remainder of Choccolocco Creek are 10 mg/kg or less with the exception of the downstream end of the creek where average concentrations approach 20 mg/kg.

5.3 Surface Water

Surface water data used to assess the nature and extent of PCBs were collected under the RCRA and CERCLA programs for several purposes (Tables 4-19 through 4-23). Sampling locations are shown on Figure 4-20. As discussed in Section 4, these data include PCB, particulates, TSS, and the wider list of constituents under a range of base- and high-flow conditions. The most recent surface water data were collected for the ecological risk assessment under base-flow conditions and are included in Table 4-22. A summary of the data for the wider list of constituents in Choccolocco Creek surface water under base-flow conditions is included in Table 4-23.

The base-flow surface water data presented in Table 4-22 are the most recent data representing ambient conditions in Choccolocco Creek for establishing contemporary ecological exposure. These data are consistent with chronic exposure conditions as the samples were collected during conditions that exist approximately 90% of the time for OU-4. The periods of high surface water flow are episodic with relatively rapid increases and decreases in flow conditions in response to precipitation events (BBL 1999a). The average whole-water PCB concentration (total PCB homologs) in Choccolocco Creek was last measured in 2009 and 2010 and was 0.075 µg/L. These surface water data are also conservative as the samples were collected and analyzed as whole-water samples rather than the measurement of dissolved phase PCBs that is more applicable to the chronic AWQC value (0.014 µg/L). Mercury was reported in one of 43 samples at a concentration of 0.069 µg/L.

Previous surface water data for samples collected from 1999 through 2007 are reported in Tables 4-19, 4-20, and 4-21. Tables 4-19 and 4-20 report data for samples collected in 1999 through 2002. These samples were collected under the RCRA program during base- and high-flow events. The TSS and PCB data can be used to calculate a whole-water concentration of PCBs; these are also reported in Tables 4-19 and 4-20. Table 4-21 presents the results from whole-water samples collected from Oxford Lake Park (Snow Creek) during three high-flow events in 2007. The 2007 samples were analyzed as whole water for the wider list of constituents. These data are useful for understanding the difference in particulate PCB concentrations under base-flow and high-flow conditions and are also useful for understanding the potential for downstream transport and PCBs associated with those suspended solids.

The PCB concentrations associated with particulates are likely to continue to decrease over time as upstream remedial measures, including remediation that has been conducted for OU-3 and has and will occur in OU-1/OU-2. The actions have and will remove and/or isolate potential sources of PCBs from surface water runoff to Snow and Choccolocco Creeks. The amount of particulate suspended in water and transported downstream during high-flow events is likely to be similar in future events. However, the concentration of PCBs associated with those particulates will decrease over time.

5.4 Fish Tissue

Fish tissue investigations that are applicable to assessing human health risks associated with fish consumption are detailed in Section 4.4. Other fish tissue investigations as they apply to ecological risks are discussed in Section 4.7. Fish sampling locations for assessing human health risks are shown on Figure 4-17 and include locations used by Bayne, ADEM, and P/S over the past 20 years. Fish tissue fillet data are presented on Figures 4-25 through 4-27 and summarized in Table 4-24. The data discussed in this section are fillet data by location and species, because of their applicability to the OU-4 HHRA. A site-specific year-long fish consumption study was also conducted to support the HHRA. The study is summarized in Section 4.8 and the complete version is included electronically in Appendix C. The results of this study show that fishing pressure on Choccolocco Creek was low due to limitations in physically accessing the creek. The study estimates of fish consumption were lower than for area reservoirs. The upper portion of OU-4, where the higher PCB concentrations in fish tissue are observed, had the least fishing pressure due to limited access. These findings are discussed in more detail in Section 4.8.

The PCB data by location and type of fish for the 2008 sampling event conducted by P/S are presented graphically on Figure 4-25. These data show similar trends for each type of fish with the highest PCB concentrations in fish tissue near the upstream end of OU-4. Panfish had the lowest concentration at each location and had the least variability in concentration at the different locations with PCB concentrations ranging from 1 mg/kg to approximately 4 mg/kg. PCB concentrations in samples collected from the three most downstream locations are generally consistent (across the locations and species). The PCB results for fish tissue samples collected by ADEM over the past 20 plus years at the downstream end of Choccolocco Creek at location STA-35 are presented on Figure 4-27 and demonstrate a factor of 10 decline in concentration over this time period. These reductions correspond with remediation activities that were conducted for OU-3 and OU-1/OU-2 during this same time period.

Mercury concentrations for fish tissue samples collected in support of the OU-4 HHRA in 2008 are plotted on Figure 4-26 and show a different spatial pattern than PCBs. Average

concentrations of mercury in fish range from approximately 0.2 mg/kg to 0.5 mg/kg. They are lowest in Snow Creek (HHFL-09) and highest in the central reaches of Choccolocco Creek (HHFL-03 through HHFL-06) for bass and catfish near where several permitted outfalls discharge to Choccolocco Creek. The overall area is also subject to atmospheric deposition of mercury (ADEM 2014) that may be related to coal combustion facilities located upwind in the greater Birmingham, Alabama area (Environment America Research & Policy Center 2011). Other potential mercury sources to OU-4 included a mercury cell process that operated at the Facility from 1952 to 1969 for the sole purpose of generating chlorine that was reacted with biphenyl to manufacture PCBs.

5.5 Ecological Species

The nature and extent of contamination in biota was extensively defined for OU-4 and supported preparation of the OU-4 BERA. These analytical chemistry data include PCBs and mercury for most samples and a wider list of other constituents for approximately 10% of the samples. The data for fish collected in OU-4 are summarized in Table 5-6. The data for non-fish ecological species (i.e., plants, invertebrates, and small mammals) are presented in Tables 4-30 through 4-38. These analytical chemistry data, in combination with the available habitat and ecological community data, form the complete dataset used to prepare the OU-4 BERA. Community data and the associated comparisons to reference areas were added to the OU-4 BERA as a secondary LOE following preparation of the baseline problem formulation in 2006.

5.6 Groundwater

The nature and extent of groundwater contamination in OU-4 were assessed by comparing groundwater monitoring results to the corresponding MCL established under the Safe Drinking Water Act. The MCL for PCBs is not exceeded within OU-4and is exceeded in only one location within OU-1/OU-2 outside the areas that are being addressed under OU-3; therefore, groundwater data are consistent with the non-leachability of PCBs. The MCL for PCBs was exceeded only at well T-11, which is in the eastern portion of EU5 several miles upgradient of OU-4. Section 4 of this report summarizes the groundwater investigations conducted by P/S in OU-1/OU-2 and OU-4 at the locations shown on Figure 2-2. A summary of the groundwater data collected is included in Table 4-27. The specific investigation efforts in OU-4 included installing and sampling a groundwater well (T-17) and sampling drinking water from two residential wells located in the downstream portions of OU-4. PCBs were not detected in any groundwater sample, thereby confirming that groundwater is not a medium of concern for OU-4.

In OU-1/OU-2 and OU-4, temporary monitoring wells were installed, and samples were collected at locations where PCBs in soil were detected at depth, where IMs were installed, or where USEPA and P/S agreed that additional investigations were appropriate. Based on these results, USEPA and P/S developed a hypothesis that leaching to groundwater will only potentially occur in instances where lower-chlorinated PCBs are found in soil at depth and in relative proximity to the water table. Soil concentrations within OU-1/OU-2 and OU-4 have been well-characterized indicating that the T-11 area is unique in its soil Aroclor distribution and resulting groundwater PCB concentrations.

A thorough evaluation was conducted to assess whether the conditions associated with groundwater well T-11, located in OU-1/OU-2 portion of the Site, were present in OU-4. The combination of conditions at groundwater well T-11 included a significant presence of lower

chlorinated Aroclor mixtures (e.g., Aroclor 1232), elevated total PCB concentrations, and close proximity to the groundwater table. This evaluation revealed that the lower chlorinated PCB mixtures were generally not present in OU-4. There was one sample collected in OU-4 from the 0–6-inch horizon (sample C70247) where the Aroclor 1232 concentration was 0.48 mg/kg and the total PCB concentration for the sample was 1.8 mg/kg. The OU-4 dataset also did not include detections of Aroclor 1221 or Aroclor 1016; thus, the decision was reached in consultation with USEPA to install groundwater well T-17 in an area with high-concentration PCB soils in close proximity to the groundwater table and Snow Creek. The PCB homolog results for OU-4 soils also indicated that lower chlorinated PCBs were not present at elevated concentrations. Mono, di, or tri chlorinated PCB homologs were only detected in five soil samples with PCB concentrations ranging from 0.0079 to 0.1 mg/kg. The detected concentrations of lower chlorinated PCBs in OU-4 soils are not expected to impact groundwater at concentrations above the MCL.

The PCB concentrations in soils at location T-17 included 72 mg/kg for the 0–1-foot interval, 460 mg/kg for the 1–2-foot interval, 163 mg/kg for the 2–3-foot interval, and 28 mg/kg for the 3–4-foot interval. PCBs were also not detected in the groundwater samples collected from T-17.

The data and observations presented for groundwater support the following conclusions and recommendations for OU-4:

- The nature and extent of contamination in groundwater at OU-4 has been defined based on the data collected and evaluations, and further investigation is not warranted.
- Groundwater in OU-4 does not contain PCBs above the MCL.

5.7 Air

Air concentrations are not a significant risk in OU-4, nor do they represent a significant fate or transport mechanism. Air concentrations were evaluated for OU-3 and for OU-1/OU-2 where the highest concentrations of PCBs are present in surface soils. For OU-3, the measured concentrations of PCBs in air were within USEPA's acceptable risk range and were not risk drivers that required specific remedial actions. Similarly, ambient air concentrations measured in OU-1/OU-2 were not a risk driver in the OU-1/OU-2 HHRA prepared on behalf of USEPA (Camp Dresser and McKee [CDM] 2010). Based on the CDM (2010) finding, air samples were not included in the OU-4 investigations.

6. CONTAMINANT FATE AND TRANSPORT

This section evaluates data to understand fate and transport of constituents in OU-4. This evaluation considers the following:

- Sources, release mechanisms, and potential migration pathways, especially as they pertain to OU-4
- More recently available data expanding on the initial CSM evaluation conducted as part of the Phase 1 CSM report (BBL 2003)
- The OU-3 IROD and OU-1/OU-2 ROD
- Contaminant persistence and contaminant migration

PCBs are the primary focus of this assessment as they have been identified to have originated in OU-3 and have been the most prevalent constituent identified on the Site. Other constituents that may be of concern (including other organics and heavy metals) have a similar affinity for solids and will have similar fate and transport properties, regardless of their origination.

Historical fate and transport are important factors in understanding constituent distribution in OU-4 and will also be factors in developing and evaluating remedial alternatives during the FS process. Equally important is that OU-4 is a receiving body that was and continues to be affected by upstream sources. Given the hydraulic connectivity between OU-3, OU-1/OU-2, and OU-4, remedial measures conducted in the upstream OUs have already reduced the potential for ongoing migration to OU-4. Therefore, fine-grained particulates transported downstream and deposited in OU-4 will tend to have lower constituent concentrations than in the past, as evidenced by the pattern of PCBs in surface and subsurface soils and in the declining fish tissue concentrations over time.

From this combination of circumstances and the data collected to date, COPCs, including PCBs, are primarily associated with soil and sediment. Surface water concentrations of PCBs generally reflect PCBs that are present in sediment or soils entering the creeks through surface water runoff. Once sediment and floodplain soils are addressed, surface water PCB concentrations are expected to decline in a corresponding manner. The fate and transport of other COPCs where collocated with PCBs are generally expected to be similar to PCBs given the affinity of these constituents for soil and sediment particles. This is particularly the case for mercury in soil and sediment where the distributions are relatively similar except for the most downstream reaches of OU-4 where the potential historical/current upwind sources appear to influence the nature and extent of contamination. The situation is different for PCDD/DFs and TEQ where the higher concentrations in soil are different than PCBs and the results suggest that other potential sources (possibly atmospheric deposition), in combination with sources in the OU-4 watershed, have influenced PCDD/DF and TEQ distributions. This finding is based on the higher PCDD/DF and TEQ concentrations in soil being located in the downstream portions of OU-4 and in locations that are away from the creek banks. The distribution for TEQ in OU-4 sediment results in a similar finding as TEQ concentrations are consistent along the length of OU-4 and are not elevated in the Backwater area.

Air and groundwater are not significantly affected by the constituents in OU-4 and, therefore, do not represent complete exposure pathways, and, thus, are not of concern as migration pathways. It can also be concluded that conditions in OU-4 are largely the result of historical impacts. Overall, source areas have been or are in the process of being controlled through completed remediation activities for OU-3 and forthcoming remediation activities for OU-1/OU-2.

The most significant source areas in OU-3 and in OU-1/OU-2 have been or will be addressed either through previous IMs or under the current IROD (OU-3) and ROD (OU-1/OU-2). To a lesser extent than the original source areas, upstream sediment and creek banks are the only remaining potential sources to OU-4. The floodplain soil data indicate that the floodplain is primarily a depositional environment as evidenced by surface soil concentrations being lower than subsurface soil concentrations. Although floodplain areas, under certain circumstances, may represent exposure risks, these soils are not likely to erode or be transported downstream. The following is a detailed discussion of fate and transport factors in OU-4.

6.1 Source Areas

The Facility (OU-3) had documented elevated concentrations of PCBs in soil and groundwater and is a known source for historical releases of PCBs to OU-1/OU-2 and subsequently to OU-4. However, the source areas for the Site have largely been controlled, and the potential for ongoing transport is limited. This includes implementation of the remedial actions specified in the OU-3 IROD, including capping remaining soil areas at the Facility and additional groundwater containment and treatment actions. With these actions now complete, OU-3 no longer serves as a significant source of PCBs to OU-1/OU-2 or OU-4.

Snow Creek and its floodplain (OU-1/OU-2) were affected by historical releases (primarily via surface water flow and overland flooding). Upcoming remediation under the OU-1/OU-2 ROD will further reduce the potential for sediment and creek bank soils in Snow Creek to be transported downstream to OU-4, and OU-1/OU-2 will no longer be a potential ongoing source to OU-4. PCBs migrated via surface water from OU-3 to Snow Creek and then to Choccolocco Creek (OU-4). During transport and migration, PCBs became entrained on fine-grained particulates; hence, transport and deposition are associated with fine-grained sediments. During high-flow and flooding events, both Snow and Choccolocco Creeks overflow their banks, and fine-grained particulates are deposited in their respective floodplains. The floodplains are primarily depositional and do not represent measurable sources to OU-4. In most cases where OU-4 floodplain soils presented unacceptable risks primarily from direct exposure, IMs have already been conducted, and future remedial actions to address those risks will further reduce the already limited potential for these soils to be an ongoing source to OU-4.

The secondary release mechanisms associated with surface water runoff include mobilization and movement of sediments that have settled out in Snow Creek and Choccolocco Creek. Following remediation of the OU-1/OU-2 portion of Snow Creek (especially remediation of the sediments from the Highway 202 culvert), the backwater area of Choccolocco Creek will be the area remaining with the highest concentrations of PCBs in sediment. Although current data indicate that the Highway 202 culverts are primarily depositional and do not represent a significant source to OU-4, remedial activities in Snow Creek could mobilize sediment and PCBs that have been effectively sequestered for many years. Dredging or excavation of these sediments will loosen well-bedded sediment and also temporarily expose higher concentration materials from older deposition. No matter how diligent the engineering controls, excavation of

these sediments with relatively high PCB concentrations may release both particulate- and dissolved-phase PCBs (and other constituents) downstream to the OU-4 portion of Snow Creek and to Choccolocco Creek. There is potential that the OU-1/OU-2 remediation of sediment will cause a measurable increase in PCB concentrations in sediment, surface water, and, possibly, fish tissue. Once the remediation of Snow Creek is complete, downstream migration of PCBs from Snow Creek is expected to decrease to very low levels. The OU-4 FS and its associated objectives and any predictive modeling should consider the likelihood of temporary increases in PCB concentrations for surface water and fish and/or other biota before the expected decreases are observed.

An additional secondary release mechanism is the potential release of PCBs (and possibly mercury) associated with eroding creek banks. While PCBs that have migrated into floodplain soil areas generally reside there for the long term, soils located in the riparian zone adjacent to the creek have the potential to undergo erosion as part of natural geomorphological processes. The degree to which creek bank areas represent meaningful secondary PCB sources is a function of erosion potential and the associated PCB concentration of these riparian soils.

6.2 Potential Routes of Migration

Data collected over the past 20 years for the Site support the CSM initially summarized in 2003 (BBL 2003). Since 2003, additional data collected have affirmed the model fate and transport mechanisms and further refined the nature and extent of constituents to the point where USEPA has issued the OU-3 IROD and the OU-1/OU-2 ROD defining the remedial actions that have been or will be taken in those OUs. The nature and extent discussion in this RI (Section 5) also defines the limits of constituents consistent with the fate and transport mechanisms initially discussed in the 2003 CSM. This section provides the details of the CSM developed for the Site with a focus on OU-4. The CSM model is illustrated on Figure 6-1.

The primary release mechanism of PCBs from OU-3 was through surface water runoff via the 11th Street Ditch and subsequent downstream flow into Snow Creek. Secondary release mechanisms from OU-3 were groundwater and air. Migration from the creek to floodplain soils in OU-4 occurred during periodic flood events with the deposition of fine-grained particles with PCBs within the lateral limits of the 100-year floodplain. Several potential release mechanisms are discussed below, including surface water transport, leaching, and volatilization/dust.

6.2.1 Surface Water and Sediment

The primary historical migration pathway from OU-3 to Snow Creek and Choccolocco Creek was surface water runoff. The surface water migration pathway from OU-3 to Snow and Choccolocco Creeks was the historical route for PCBs absorbed on to particulates, primarily fine-grained particulates. The movement of sediment (and, therefore, PCBs) within the creeks and their respective floodplains have occurred during and immediately following significant precipitation events. Historically, surface water runoff from the Facility followed a series of drainage ditches that, combined with overland flow, led to the 11th Street Ditch. From the 11th Street Ditch, particulates were conveyed via surface water to and along Snow Creek. During periods of higher flows, the waters of Snow Creek would transport PCBs into OU-4. During these high-flow events, particulates in the surface waters of the OU-4 portion of Snow Creek and Choccolocco Creek were transported outside of the banks into the broader portions of the floodplains. Once the surface waters were outside of the creek bank, water velocities dropped

dramatically due to the increased cross-sectional area for flow, and particulates (and PCBs) present in the overflow waters were deposited within the footprint of the floodplain.

This surface water flow transport pathway is particularly important for the floodplain areas located at the OU-4 portion of Snow Creek where a combination of low-lying areas and the Friendship Road embankment results in surface water transport of COPC-containing particulates into floodplain areas. The Friendship Road embankment with limited bridge-size openings also creates a settling basin effect upstream of the embankment in the backwater area (Figure 6-2). This process of downstream migration, flooding, and deposition is the source for the historical sediment deposits in OU-4 that contain PCBs and other COPCs from the Snow Creek watershed. As source control measures upstream for OU-3 and OU-1/OU-2 have been implemented, the particulate PCB concentrations have decreased over time. This reduction in particulate PCB concentrations is evident through the presence of lower PCB concentrations in the surface sediment over the higher PCB concentrations in the deeper sediment.

A potential source of PCBs to surface water and sediment is eroding creek bank areas with elevated PCB concentrations. The Figure 4-37 series and Figure 6-3 show that the creek bank erosion is more prevalent along the upper 10 miles of OU-4. This portion of the creek is also where elevated PCB concentrations (Figure 5-2) are present, and the highest PCB concentrations are closest to the creek banks (Figure 5-3). Eroding creek banks as a potential source to surface water and sediment is congruous with the consistency between the average surface water PCB concentrations measured along the length of OU-4 downstream of the backwater area despite declining PCB concentrations in sediment (Figure 5-14). The average surface water PCB concentrations for the upper, middle, and lower portions of Choccolocco Creek downstream of the backwater area are 0.068 µg/L, 0.087 µg/L, and 0.073 µg/L, respectively. A similar trend is evident in the fish tissue where the average PCB results are highest (Figure 4-26) in portions of Choccolocco Creek located downstream of areas with creek bank erosion. The potential for eroding creek bank areas in the upstream portion of OU-4 to be PCB (and mercury) sources to surface water, creek bed sediment, or water bodies located downstream of OU-4 will be further evaluated in the OU-4 FS. This evaluation is important from an FS perspective as USEPA's first principal for managing contaminated sediment is focused on controlling sources early (USEPA 2002a).

6.2.2 Floodplain Soil

Migration from surface water to floodplain soils during overbank flooding events was the primary historical transport pathway. Based on this transport mechanism and as confirmed by the floodplain soil data collected from OU-4, the lateral extent of PCB-containing soils in floodplain areas is generally within the 100-year floodplain. Once flooding occurs and water is in an overbank condition, water velocities over the floodplain are much lower than in the creek channels. This low water velocity creates a primarily depositional environment in the floodplain, and floodplain soils are not likely to further erode or migrate. Soils with high constituent concentrations also provide the potential for constituents to dissolve or leach into groundwater. Because PCBs have low water solubility and a high affinity for particulates and because they are primarily confined to shallow soils rather than in soils below the groundwater table, PCB migration from soil to groundwater is not of concern. This is supported by soil and groundwater data from OU-3, OU-1/OU-2, and OU-4 where groundwater concentrations above MCLs have not been identified in OU-4.

6.2.3 Groundwater

Based on the data from OU-3, OU-1/OU-2, and OU-4, constituent migration via groundwater to OU-4 is not a viable pathway. In some localized areas near the border between OU-3 and OU-1/OU-2, groundwater concentrations are influenced by soil concentrations. PCBs are leaching from soils to groundwater on a limited basis in OU-1/OU-2 (well T-11), in association with relatively high soil concentrations and lower chlorinated PCB compounds. Both the OU-3 IROD and the OU-1/OU-2 ROD address the additional steps that have been or will be taken to address the limited additional groundwater remediation that will be needed in these areas. For both OUs, the groundwater issues are localized near OU-3, and there are no indications that groundwater is affected as far away as OU-4.

OU-4 specific studies were also conducted to confirm that groundwater was not a medium of concern for this OU. This included installing and sampling a groundwater well placed in the upper reaches of OU-4 (T-17). PCBs were not detected in the groundwater samples collected from this well. In addition, two residential drinking water wells located in the downstream portion of OU-4 were sampled and analyzed for PCBs. In both cases, the PCBs were not detected. The combination of investigation results for each of the OUs at this Site support the conclusion that migration to OU-4 via groundwater has not occurred and groundwater is not a pathway of concern.

6.2.4 Volatilization/Fugitive Dust

Migration of PCBs in air is not a significant pathway for OU-4. The air data collected for OU-3 and OU-1/OU-2 show that the farther away samples are collected from the source (OU-3), the lower the concentrations are expected to be. Based on air data collected for these other OUs, PCBs in OU-4 air are not expected to be a source from a concentration or migration pathway perspective.

6.3 Contaminant Persistence

PCBs are known to be persistent organic chemicals over a wide range of conditions. Although some small amount of weathering and attenuation will occur, chemical degradation, substantial reduction in concentrations, or changes in distribution patterns is not expected over the near term. Although some anaerobic dechlorination may be occurring in PCBs in deeper sediments in the backwater area, it is not likely to be the primary contributor to changes in surface sediment concentrations, and it is not likely to be occurring at rates that would change exposure risks or risk-based decisions. The non-PCB COPCs for OU-4 (PCDD/DFs and several metals) are similar to PCBs in that they have an affinity for fine-grained particulates and are persistent over time. These non-PCB constituents are often collocated with PCBs in backwater area sediments due to the depositional nature of the backwater area and its hydraulic connection to the industrialized Snow Creek watershed.

6.4 Migration Pathways

Historically, the primary mechanism for the movement of PCBs from OU-3 was surface water discharge/runoff to Snow Creek via the 11th Street Ditch. From Snow Creek, surface water and suspended particulates were further transported to OU-4. Fine-grained particulates were deposited in the backwater area created by the confluence of Snow and Choccolocco Creeks. During flood events, those particulates were transported and deposited in the Choccolocco Creek

floodplain. With a significant number of source control measures already implemented for OU-3, OU-1/OU-2, and OU-4, and subsequent measures to be implemented in the latter two OUs, the concentration of constituents associated with suspended solids has decreased to the point where the potential for the migration of constituents via surface water is low. PCBs remaining in Snow Creek (OU-1/OU-2) sediment will be addressed in the OU-1/OU-2 remediation, and the concentrations potentially available for downstream transport will be further decreased. Also, the OU-4 floodplain is depositional and does not represent a secondary source area or have potential for migration. The most significant areas that could represent secondary or tertiary source areas are the sediments in Choccolocco Creek and the potential for erosion and migration via surface water flow. Sediment and creek bank stability conditions are key factors in understanding this potential and are discussed below.

6.4.1 Sediment

Surface water and sediment data were evaluated using an integrated, weight-of-evidence (WOE) approach to assess the stability of sediment in Choccolocco Creek. The findings were presented in the *OU-4 Sediment Stability Technical Memorandum* dated June 2010 (Appendix H; Arcadis 2010a). The findings of the memorandum are important relative to migration pathways for OU-4 as the PCB-containing sediments currently in OU-4 represent a potential ongoing migration pathway. The OU-4 sediment stability evaluation included several lines of evidence and focused on the Choccolocco Creek portion of OU-4. The evaluation considered a combination of physical characteristics of Choccolocco Creek and chemical data to understand where PCBs have been deposited in the creek bed and how likely these are to migrate under base-flow and high-flow conditions. The following are the general characteristics considered:

- Water velocity and flow
- Bathymetry and gradient
- Sediment thickness and grain size distribution
- PCB data
- Radioisotope dating
- Channel alignment

Based on an evaluation of the factors listed above, the technical memorandum concluded that most of the sediments in Choccolocco Creek were not stable. However, there were three defined portions of the creek where the sediments were stable. These three creek areas include a portion of the backwater area, sediments located just upstream of Jackson Shoals that are influenced by the former dam structure, and the embayment area downstream of Jackson Shoals that is influenced by the dam at Lake Logan Martin. Each of these three areas is discussed below. The stability of OU-4 sediments will be further evaluated in the OU-4 FS.

6.4.1.1 Backwater Area

The backwater area is upstream of the confluence of Snow and Choccolocco Creeks and is created where Snow Creek (28 cfs) meets the relatively large flows (274 cfs) of Choccolocco Creek. The grade in the backwater area is relatively flat (0.25 feet per mile) and includes several channels and wetland areas. In this area, Choccolocco Creek is divided into a northern and southern branch that reunite just downstream of the confluence with Snow Creek at Friendship

Road. Water pools in the backwater area even under base-flow conditions, especially in the southern portion of the backwater area, which is comprised of several braided creek channels. Under higher flows, large volumes of water will stall and backup along this half-mile section of Choccolocco Creek. As shown on Figure 5-3, the confluence with Snow Creek (the backwater area) has the highest reported PCB concentrations in Choccolocco Creek and some of the highest average sediment thicknesses (Figure 4-12).

A review of aerial photographs from 1940, the 1960s, and 1977 provided in Appendix H indicate that two small portions of the creek channel in the backwater area have changed over time. A continuation of Snow Creek that was present between 1940 and 1977 is no longer evident. The channel from the southern branch of the creek to the confluence was not present in the 1960s. This new channel is presumed to be man-made based on its shape, the construction of two gas pipelines in this area, and the relatively low PCB concentrations in sediment in the new channel. The adjacent small piece of older channel appears to have filled in over time as the result of natural deposition after the new channel became the preferred hydraulic route for the creek. The new channel allowing direct drainage has likely increased the sediment stability in the other oxbow and wetland areas of the backwater area.

Investigations in the backwater area included collecting 40 sediment cores from 10 transects as well as 2 cores for radioisotope dating. The radioisotope and PCB data from this area were evaluated in combination to understand changes in PCB concentrations with depth. Figure 4-19 presents PCB data as a function of sample depth for cores collected in the backwater area. The sediment samples were also evaluated geochronologically, and, based on the Cs-137 data, an annual sediment deposition rate of between 0.3 and 0.4 inches per year is estimated, while the Pb-210 profile indicates deposition rates may be as high as 0.5 inches per year. These deposition rates, along with the presence of the highest PCB concentrations at depth, provide further support that the sediments in this portion of the backwater area are stable.

In summary, the physical characteristics of the streambed in the backwater area combined with the PCB and geochronological data provide a strong basis for concluding that the sediment in the backwater area is stable. This relatively flat region of the creek, lower water flows, and the thickness and fine-grained nature of the sediment deposits, indicate that this is a depositional area of the creek. The highest concentrations of PCBs are isolated and immobile under more recently deposited, lower-concentration surface sediment. Significant flow events since 1948, (Figure 6-4) appear to be responsible for deposition of lower concentrations of sediment over higher concentrations. Based on the available data, the backwater area appears to be more depositional than erosional. Even if surface sediments are mobilized in future flood events, the surface sediment that have lower concentrations than in the past are the sediments that would be transported downstream.

6.4.1.2 Upstream of Former Dam at Jackson Shoals

This reach of Choccolocco Creek is located just upstream of Jackson Shoals and includes the base structure for a former hydroelectric dam that was constructed prior to 1913 and was one of the oldest hydroelectric facilities in the United States. Once power generation ceased, the power generation equipment was removed. Under normal flow conditions, surface water flows around both sides of the former dam structure. The alignment of the creek in this area has not changed visibly since 1940, and the remaining underwater dam structure likely impounds surface water to

some degree. As a result, surface water velocities in this section of creek are somewhat lower than they would be if the dam structure was not present, especially under base-flow conditions.

The overall stream gradient in this area is very low at 0.35 feet per mile (Figure 4-8), and water depths are deeper than in other parts of the creek (9.6 feet vs. 3.7 feet for the rest of the creek) (Figure 4-10). As expected with the deeper waters, the water velocities measured under base-flow conditions were lower than those measured in the rest of the creek. PCB concentrations in this area were less than 3 mg/kg with an average concentration of 0.73 mg/kg. Sediment thickness in this portion of the creek is approximately 1 foot with predominance of fine-grained sediments. The low PCB concentrations and thin sediment layer for this reach of creek result in the sediment representing approximately 3% of the total PCB mass for Choccolocco Creek. The preponderance of data indicate that this is a relatively stable, depositional area of the creek. Sediments from upstream with lower PCB concentrations are likely to continue to accrete over previous deposits. Furthermore, PCB concentrations and the total mass of PCBs in this portion of the creek indicate that this reach is not likely to represent a significant potential source for downstream migration.

6.4.1.3 Embayment Area

The third area of sediment stability is the portion of Choccolocco Creek influenced by the impoundment of Lake Logan Martin at the Logan Martin Dam on the Coosa River. This embayment area was created when the Logan Martin Dam was completed in 1964, and the dam is still used to generate power. The hydraulic effects of the impoundment extend approximately seven miles upstream in Choccolocco Creek from the original confluence point with the Coosa River at Ogletree Island to the downstream end of the Jackson Shoals area. In this stretch of Choccolocco Creek, the surface water elevation is controlled by the dam and there is little or no change in the grade of the sediment bed. Base-flow surface water velocities average 0.5 feet per second. The wide cross-sectional area and low velocities in this area of the creek create conditions for the deposition of solids transported from upstream reaches of the creek. The results of sediment investigations conducted in the embayment area indicate average water depths of approximately 12 feet and sediment deposits averaging 2 feet (Figures 4-10 and 4-12, respectively). The majority of sediment cores collected in this area were visually characterized as fine-grained, and sediment PCB concentrations in this portion of the creek generally do not exceed 1 mg/kg (Figure 5-3) and have an average surface concentration 0.52 mg/kg (Figure 5-15).

As part of the Off-Site RFI, radioisotope cores were collected from the embayment area. The Cs-137 profile for MLM-GEO-7 was suitable for dating and had a peak activity in the 26–28-inch interval of the core (corresponding to the 1954 horizon). This results in an average sediment accumulation rate of approximately 0.4 inches per year, recognizing that differences in the amount of sediment that may accumulate in a given year may vary. When PCB concentrations are plotted with the sediment deposition time frame (Figure 4-15), the data indicate that the PCB concentrations in accumulated sediment are relatively low (less than 1 mg/kg). Sediment in the most recently deposited surface intervals shows a decrease in PCB concentrations, although an increase in PCB concentration during the mid-1990s is evident and may be linked to the NRCS dredging of Choccolocco Creek.

As expected in the embayment area, the combination of slower surface water flows, deeper water, and less change in grade create a depositional area for sediment to accumulate. Sediment

thicknesses and PCB and geochronological data also support that this is a stable, depositional area. Furthermore, the concentrations of PCBs in these sediments are low, generally less than 1 mg/kg and have an average surface concentration of 0.52 mg/kg. Additionally, surface increments indicate that lower PCB concentration (less than 0.2 mg/kg) sediments are accreting over older, higher PCB concentration (approximately 1 mg/kg) deposits further sequestering PCBs in sediment in this area and lowering exposure concentrations.

6.4.2 Creek Bank Soils

Creek bank soils have the potential to erode, especially under high-flow conditions, and contribute soil (particulates) to the creek. The erosion is a normal part of geomorphological processes for these creeks. Depending on the amount of soil loss and the associated constituent concentrations, erosion may be a source of clean sediments for natural recovery processes, or it could be a secondary source of constituents to the waterway. The creek bank survey results for OU-4 presented in the Figure 4-37 series are summarized on Figure 6-3. The chart shows the five erosion potential rankings and whether the areas are located above or below RM 29.5. This RM location was an approximate breakpoint between upstream areas with more erosion potential and downstream areas with less erosion potential. The creek bank condition survey results for OU-4 indicate that 84% of the creek banks in OU-4 are rated as being stable or relatively stable. The creek bank survey results for the remaining sections of creek in OU-4 include minor erosion (12%), moderate erosion (4%), and severe erosion (less than 1%). The potential for creek bank areas to be secondary constituent sources will be further evaluated in the OU-4 FS.

7. BASELINE HUMAN HEALTH RISK ASSESSMENT

JMWA prepared the OU-4 HHRA (Appendix I; JMWA 2013) on behalf of USEPA. The OU-4 HHRA primary objectives were to identify and quantify the risks to human health and provide a basis for the FS evaluation of remedial alternatives to address the contaminants of concern and exposure pathways. As a final step in the risk assessment process, USEPA developed a range of remedial goal options (RGOs) for PCBs and mercury in fish tissue and for PCBs in floodplain soils based on several agricultural use scenarios. RGOs are summarized in Section 7.9. Tables with RGOs and a discussion of how they were developed were provided by USEPA via email (email from Pamela Scully of USEPA dated June 3, 2014). This section and subsections summarize the findings from the OU-4 HHRA.

The OU-4 HHRA evaluated and quantified potential risks to human health from exposure to chemical constituents in OU-4. The HHRA employed a systematic, step-wise process based on USEPA guidance. COPCs were identified for each exposure pathway, and the HHRA evaluated each of the pathways separately and then evaluated the cumulative risks of combining the pathways in an integrated risk assessment approach. The following subsections (7.1. through 7.3) introduce the exposure pathways and risk assessment approach, identify the hazards in OU-4, and discuss toxicity data that are used to quantitatively evaluate the risks. Sections 7.4 through 7.6 discuss each of the three exposure pathways individually, and Section 7.7 summarizes the uncertainties identified in the process and parameters used in the HHRA process. Section 7.8 discusses the results from integrating the three exposure pathways to develop a summary of the cumulative risks. Section 7.9 discusses RGOs, and Section 7.10 is a summary of the HHRA findings.

7.1 Exposure Pathways and HHRA Strategy

A CSM for human exposure describes the following:

- Contaminant sources
- Release and transport mechanisms
- Receiving media
- Exposure media
- Exposure routes
- Potentially exposed populations

The CSM for the Site and OU-4 is discussed in detail in Section 6. The CSM as it relates to human health risk in OU-4 is illustrated on Figure 7-1. For the OU-4 HHRA, the CSM identifies complete and incomplete exposure pathways. A complete exposure pathway has each of the above-listed components, whereas an incomplete pathway is missing one or more. A review of the CSM identified three complete human health exposure pathways:

- Ingesting fish caught in Choccolocco Creek in the absence a fish consumption advisory

- Directly contacting floodplain soils (ingestion, dermal contact and absorption, and inhalation of particulates)
- Ingesting agricultural products (vegetables, meat, eggs, and dairy products) grown in the floodplain

Children and adults could be exposed to soil while engaging in a variety of activities around their homes or recreational activities at other locations. Adults could be exposed to soil while working in agricultural, landscaping, utility maintenance, and other occupations. Exposure from sediment above the waterline and surface water could occur along the riverbanks or in shallow areas of the creek during recreational activities (e.g., fishing, canoeing, swimming, wading). Anglers, farmers, and hunters and their families could be exposed to COPCs from consuming fish caught from the creek, as well as crops and other agricultural products raised in the floodplain.

Table 7-1 presents the exposure scenarios evaluated at each of the direct-contact EUs. A determination was made as to whether low-contact or high-contact recreational exposure is likely to occur at the EU. Low-contact recreational exposure (adolescent and adult) was the predominant recreational exposure evaluated because the floodplain areas are remote, land ownership issues limit access to the floodplain, and vegetation and terrain along the floodplain make access difficult. High-contact recreational exposure (child, adolescent, and adult) was evaluated at the areas where access was not restricted, such as near parks (i.e., Oxford Lake Park) and near residences.

The potential exposure associated with consuming wild game (e.g., deer and turkey) taken from the floodplain was considered for inclusion in the HHRA. However, USEPA determined that the exposure from consuming game is expected to be negligible given the home ranges of the game, the limited contact time with the affected media in OU-4, and the subsequent lack of contaminant uptake and transfer into the tissues of targeted game species. In addition, the assumptions related to human consumption of beef and chicken raised in the floodplain that were quantified in the HHRA exceed any reasonable estimate of the potential consumption of wild game from the same areas. Therefore, consumption of game was not quantitatively evaluated in the HHRA.

Other complete exposure pathways for OU-4, including sediment, surface water, and air, were evaluated in the OU-4 HHRA. Creek sediment was not quantitatively evaluated for direct contact risks in accordance with USEPA Region 4 guidance, which recommends sediment that is covered by water is generally not contacted and/or incidentally ingested to any significant extent by human receptors. Contaminants in sediment are relevant to the fish ingestion pathway for humans.

The available surface water data were screened in the OU-4 HHRA, and it was determined that the detected surface water contaminants were at sufficiently low concentrations such that quantitative assessment of risks from human direct contact was not warranted. Contaminants in surface water are relevant to the fish ingestion pathway for humans.

Air PCB data have been previously quantitatively assessed for risks to residents based on air samples collected at the property boundary (fence line) between the Facility (OU-3) and the adjacent residential areas and portions of OU-1/OU-2 with the highest PCB concentrations in soils. Since the health risks from these measured airborne concentrations were within USEPA's

target risk range for the nearby residents, no further quantitative assessment of human risks from exposure via the air pathway was warranted for OU-4.

Residential use areas were evaluated as part of the NTC Removal Action agreement between P/S and USEPA and, as a result, were not included in the scope of the HHRA.

7.2 Hazard Identification

The hazard identification presents the data available to assess Site risks, describes the approach used to summarize Site data, and identifies COPCs. The following sections describe the methods used for data reduction, data evaluation, and selection of COPCs for the three different exposure pathways.

7.2.1 Available Data

The data set presented in this RI is more recent and includes additional data points since the HHRA was prepared. Also, as described below, many sampling events were designed to target specific information (e.g., ecological risk assessment, historical fish tissue) not directly pertinent to evaluating human exposure in the HHRA. The differences in the data sets would not significantly change the HHRA analyses or conclusions and are not discussed further in this section. The data set used for the HHRA and calculations are described briefly below.

7.2.1.1 Fish

Fish concentration data have been collected from Choccolocco Creek dating back to approximately 1993. Fish data collected by P/S during the Phase 2 sampling (November-December 2008) were collected to be representative of human consumption (i.e., were collected as fillets with skin off). The HHRA used only Phase 2 fish data. There were 362 fish samples collected from Choccolocco Creek—122 bass, 113 catfish, and 127 sunfish. All fish samples were analyzed for total PCBs based on the sum of detected Aroclors, select metals (i.e., arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, manganese, nickel, and vanadium), and mercury. Approximately 10% of the sample locations were analyzed for dioxin-like PCB (DL PCB) congeners (36 samples) and PCDD/DF congeners (35 samples).

7.2.1.2 Soil

At the time of the HHRA, there were 901 soil sample locations within the OU-4 floodplain area. Surface soil samples (0–1 foot bgs) were collected at nearly every location (896). At approximately 130 locations, samples were collected between 1 and 4 feet bgs. All floodplain soil samples were analyzed for PCBs. Mercury was analyzed at 666 locations. Subsets of the sample locations were analyzed for DL PCB congeners (119 locations), PCDD/DFs (114 locations), other metals (83 locations), and other constituents such as VOCs, SVOCs, pesticides, and herbicides (15 locations).

7.2.2 Data Reduction

Data reduction involves evaluating data qualifiers and their potential use in the HHRA process and describes the treatment of duplicate and collocated samples. If an analyte was not detected in any sample from a given medium, it was not considered further for that medium. In the case of field duplicates for a given analyte, the higher (detected) value was used as the concentration for that location.

7.2.2.1 Calculation of Total PCBs

The most common constituent for this Site is PCB. Total PCB concentrations were calculated as the sum of detected Aroclors or the sum of detected homologs, as appropriate.

7.2.2.2 Calculation of Toxic Equivalency Values

The WHO (Van den Berg et al. 2006) developed toxic equivalency factors (TEFs) to evaluate the relative toxic potencies and risks for the seventeen 2,3,7,8-substituted PCDD/DF congeners and the twelve PCB DL congeners. A 2,3,7,8- TCDD TEQ concentration was calculated for each PCDD/DF and DL PCB congener by multiplying the concentration of each congener by its respective TEF. If a given congener was not detected in any samples in a medium, that congener was not included in the TEQ calculation for that medium. If the congener was detected at least once in a sample set, the TEQ concentration was determined by multiplying the detected concentrations and the nondetects at the reporting limit with the TEF. For each sample, the individual congener TEQs were summed to obtain a PCDD/DF TEQ and a DL PCB TEQ.

The exceptions to the DL PCB TEQ calculation above were for DL PCB congeners PCB-126 and PCB-167 in fish tissue. These two congeners were detected only once in 36 fish samples. To include these at the full reporting limit would inappropriately inflate the individual sample TEQs by assuming their presence. Therefore, TEQ contributions from PCB-126 and PCB-167 to the total DL PCB TEQ were made only for the fish sample with the detected concentration of these congeners.

7.2.3 Fish Data Groupings

The analytical data used to determine the fish EPCs were derived from samples that represent fish species, fish length, and fish tissue (fillet with the skin removed) that are typically caught from Choccolocco Creek and consumed by the local population. To calculate EPCs for the fish ingestion pathway, the fish data were grouped by location based on creek accessibility and location (PCB concentrations in fish decrease with distance downstream) and by the different species caught from the creek and eaten.

Based on the results of the creel survey (Arcadis 2009a) and the U.S. Fish and Wildlife National Survey of Fishing, Hunting and Wildlife-Associated Recreation in Alabama (DOI/DC 2006), fish were grouped into four species groups, including an all-species group to capture the exposure to anglers who consume what they catch regardless of species:

- Bass (i.e., largemouth and spotted)
- Catfish
- Panfish (i.e., crappie and sunfish)
- All species

The fish data were further grouped based on creek accessibility and distance downstream into location groupings based on the fish sampling locations shown on Figure 4-17.

- Group A – Locations HHFL01 and HHFL02
- Group B – Locations HHFL03 and HHFL04
- Group C – Locations HHFL05 through HHFL09

The data for fish tissue concentrations based on these species and location groupings are shown on Figures 4-25, 4-26, and 4-27.

7.2.4 Floodplain Soil Sample Location Averaging

The direct contact exposure pathway used EPC values calculated on an EU- or OU-wide basis, depending on the COPC. To avoid biasing the dataset toward locations with multiple results, a representative concentration was calculated per location. For surface soil, the samples collected between the 0–0.5 and 0.5–1 feet bgs depth intervals at a location were averaged. For subsurface soil, the samples collected from multiple intervals between 0 and 4 feet bgs were averaged. The concentration results at each location were averaged as follows:

- If the constituent was detected in each sample, the observed concentrations were averaged.
- If the result was detected in one of the samples and not detected in the other sample(s), the detected concentration(s) was averaged with the nondetect reporting limit assuming the contaminant was present at the reporting limit.

The average concentrations for each sampling location were used to develop the EPCs used to evaluate the potential floodplain soil exposure and risks.

7.2.5 Data Summary and Chemicals of Potential Concern

The available data were screened based on frequency and concentrations detected in the various media and comparison to screening levels and background data. The following media and constituents were identified as COPCs for further evaluation in the HHRA.

7.2.5.1 Fish

The COPCs in fish were identified as PCBs, DL PCB TEQs, PCDD/DF TEQs, and mercury.

7.2.5.2 Soil

PCBs and mercury were identified as the primary COPCs for OU-4 soil. Based on the relationship between PCBs and the DL PCB TEQs; the DL PCB TEQs were also evaluated as a primary COPC.

The other analytes detected in soil samples (PCDD/DF TEQ, carcinogenic PAHs, and metals other than mercury [aluminum, arsenic, chromium, cobalt, iron, manganese]) were termed other COPCs. These COPCs are evaluated on an OU-wide basis rather than on an individual EU basis.

7.3 Toxicity Assessment

The toxicity assessment examines information concerning the potential human health effects of exposure to COPCs. The goal of the toxicity assessment is to provide, for each COPC, a quantitative estimate of the relationship between the magnitude and type of exposure and the severity or probability of human health effects. The toxicity values presented in this section are integrated with the information presented in the exposure assessment to characterize the potential for the occurrence of adverse health effects.

Cancer slope factors (CSFs) are the dose-response values used to evaluate potential carcinogens. Noncancer effects, such as organ damage or reproductive effects, are evaluated by reference doses (RfDs). The following hierarchy was used to select toxicity values:

- Tier 1 – Integrated Risk Information System (IRIS) (USEPA 2012c)
- Tier 2 – Values presented on the Regional Screening Levels Table (USEPA 2012d). Toxicity values presented on the Regional Screening Levels Table are from a variety of sources including USEPA (Provisional Peer-Reviewed Toxicity Values), California Environmental Protection Agency, and the Agency for Toxic Substance and Disease Registry (ATSDR).

7.3.1 Noncancer Effects

Potential noncancer health effects were evaluated by the calculation of hazard quotients (HQs) and hazard indices (HIs). An HQ is the ratio of the average daily dose for an individual exposure route to the constituent-specific RfD. HQs were summed to calculate HIs for each scenario. A total HI was calculated based on exposure to one or more constituents from the exposure routes for each receptor. HIs of less than 1 indicate that adverse health effects associated with the exposure scenario are not likely to occur.

For noncancer effects, it is assumed a dose exists below which no adverse health effects would occur. Below this threshold dose, exposure to a COPC can be tolerated without adverse effects. Therefore, for noncancer effects, a range of exposures exist that can be tolerated. The potential for noncancer health effects resulting from oral or dermal exposure to COPCs is assessed by comparing an exposure estimate (intake or dose) to an RfD. The RfD is defined as an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily oral exposure of a chemical to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime (USEPA 2012c). The RfD is expressed in units of milligrams per kilogram bodyweight per day (mg/kg-day) and represents a daily intake of COPC per kilogram of body weight that is not sufficient to cause the threshold effect of concern. An RfD is specific to the COPC, the route of exposure, and the duration over which the exposure occurs. For noncancer toxicity data used for the HHRA see Table 7-2.

Two exposure durations—subchronic and chronic—are applicable to noncancer doses calculated in the HHRA. Subchronic exposures are those greater than subacute (approximately 27 days) but less than 10% of a lifetime (7 years based on a lifetime of 70 years). Child recreational direct-contact exposures were considered subchronic; therefore, subchronic RfDs were used to calculate HQs for those receptors. Chronic RfDs (corresponding to exposures of at least 10% of a lifetime) were used to assess all other noncancer exposures.

Dermal RfDs are derived from the corresponding oral RfD values. To derive the dermal RfD, the oral RfD (based on an administered dose) is multiplied by the intestinal absorption factor (IAF) to determine an RfD based on an absorbed dose rather than an administered dose. The resulting dermal RfD was used to evaluate the dermal (absorbed) dose calculated by the dermal exposure algorithms.

7.3.2 Cancer Effects

The toxicity information considered in the assessment of potential carcinogenic risks included slope factors and a weight-of-evidence narrative consistent with USEPA 2005 *Guidelines for Carcinogenic Risk Assessment* (USEPA 2005c). These guidelines use standard narrative descriptors (Carcinogenic to Humans, Likely to Be Carcinogenic to Humans, Suggestive Evidence of Carcinogenic Potential, Inadequate Information to Assess Carcinogenic Potential,

and Not Likely to Be Carcinogenic to Humans) to describe the likelihood that a COPC is a human carcinogen. The guidelines are based on an evaluation of the available data from human and animal studies. For cancer toxicity data used for the HHRA see Table 7-3.

The CSF is the toxicity value used to quantitatively express the carcinogenic risk of cancer-causing COPCs via oral and dermal routes of exposure. It is defined in the IRIS glossary as

> *"An upper-bound, approximately a 95 percent confidence limit, on the increased cancer risk from a lifetime exposure to an agent. This estimate, usually expressed in units of proportion (of a population) affected per mg/kg-day, is generally reserved for use in the low-dose region of the dose-response relationship, that is, for exposures corresponding to risks less than 1 in 100."*

As with noncancer effects, cancer effect dermal CSFs are derived from the corresponding oral CSF values. To derive the dermal CSF, the oral CSF is divided by the IAF efficiency factor to determine a CSF based on an absorbed dose rather than an administered dose.

7.3.3 Toxicity Values for Assessing 2,3,7,8-TCDD TEQs

The 2,3,7,8-TCDD RfD and CSF were used to quantify hazards and risks from both PCDD/DF and DL PCB TEQ concentrations. To provide a range of exposure and risks, the reasonable maximum exposure (RME) and central tendency exposure (CTE) scenarios were evaluated (USEPA 1992b). The RME is an estimate of the high-end exposure in a population and is based on a combination of average and high-end estimates of exposure parameters typically representing the 90th percentile or greater of expected exposure. The CTE represents an estimate of the average exposure in a population and is based on central tendency estimates of exposure parameters.

7.4 Risks from Fish Consumption

This section evaluates the fish ingestion pathway for anglers who fish and consume their catch from Choccolocco Creek. USEPA risk assessment policy directs that risks be evaluated without reducing the likely exposures because of the fish consumption advisory. Therefore, it was assumed, for the purposes of the HHRA, that there are no restrictions on fish consumption.

Risks are estimated by calculating an exposure dose and comparing that exposure dose to the toxicity factors discussed in Section 7.3. The exposure dose is calculated by multiplying the EPC by the ingestion rate and an IAF divided by the weight of the person over a given period of time (exposure parameters). The exposure parameters and their bases are discussed further below.

The HHRA states that

> *"The evaluation of subsistence anglers was considered for this assessment, but was not included because no evidence has been found of subsistence angling practices in OU-4."*

7.4.1 Fish Consumption Exposure Assessment

The EPC for a given data set is represented by the 95% UCL (USEPA 2010a,b). The equations used for the 95% UCL calculations are based upon the shape and underlying distribution of the concentration data. Each contaminant per data set is looked at individually, and professional

judgment is used, guided by both the ProUCL Technical Manual (USEPA 2010a) and the ProUCL User's Guide (USEPA 2010b) to determine the appropriate 95% UCL to select. The EPCs for the COPCs in fish tissue used in the HHRA are presented by species group in Tables 7-4 through 7-6, for location Groups A, B, and C, respectively. The same EPC values were used for the RME and CTE scenarios.

The recreational fisherman scenario consists of an adult or child who may be exposed to COPCs by ingesting fish from the Choccolocco Creek. Dose estimates for recreational anglers were calculated for an individual who consumes fish as a child (1 through 6 years) and then as an adult (age 7 to 30 years). Exposure doses were calculated separately for the years as a child and the years as an adult using age-adjusted factors.

7.4.1.1 Fish Ingestion Rate

The adult fish ingestion rate for the RME scenario was derived from the ADEM study that estimated adult consumption rates of recreationally caught freshwater fish in Alabama (ADEM 1993). The mean consumption rate of 30 grams per day (g/day), calculated by the serving-size method for all respondents based on Site meals only, was used in this evaluation. This consumption rate equates to eating one 8-ounce meal per week. Based on ratios of child-to-adult ingestion rates, 15 g/day was used as a reasonable estimate of the consumption rate for the child of a recreational angler. An age-adjusted ingestion rate of 16.3 grams per year/kilograms body weight per day (g-yr/kg-day) was calculated.

Data presented in the creel/angler survey for Choccolocco Creek (discussed in Section 4.8; Arcadis 2009a) was used to derive the CTE ingestion rates. Fish ingestion rates estimated from the interviews ranged from 0.14 to 7.9 g/day with an average of 2.8 g/day (sample size =3). This average was selected as the adult CTE ingestion rate. The CTE rate equates to eating between four and five 8-ounce meals per year. One-half of the adult consumption rate was used to determine the child ingestion rate of 1.4 g/day. An age-adjusted ingestion rate of 1.5 g-yr/kg-day was calculated.

7.4.1.2 Fraction Ingested

Fraction ingested (FI) refers to the fraction of the recreationally caught fish consumed by anglers from Choccolocco Creek if there were no fish consumption advisories. Given that the fish consumption rates were based on site-only values instead of consumption from all Alabama waters, the starting point for an FI was 1.0 for the recreational angler scenario. That is, it was assumed that the recreational angler catches and consumes all of their fish from Choccolocco Creek up to the amount assumed in the consumption rate estimation. For the portion of Choccolocco Creek downstream of Jackson Shoals (Group A) an FI of 1.0 was used.

Because the type of fishing in Choccolocco Creek upstream of Jackson Shoals (location Groups B and C) differs from the sites ADEM used to derive the ingestion rates (i.e., wading and bank fishing versus fishing from a boat in reservoirs and dam tailwaters), it was necessary to consider a modified consumption rate to account for these differences. Therefore, fish ingestion FIs other than 1.0 were considered for upstream portions of Choccolocco Creek.

The upstream portions of the creek (Groups B and C) are unlikely to consistently provide catch amounts high enough to support the 30 g/day adult ingestion rate. To achieve this rate, approximately 2.2 pounds of fish would need to be caught at each outing. This would be difficult to accomplish in the upstream portions of Choccolocco Creek, and anglers who consume that

much fish are more likely to fish in areas with larger numbers of sizable fish. Therefore, the FIs for location Groups B and C were estimated at 0.5 or 50% of the rate derived for Group A. These FI values were used for both the RME and CTE scenarios.

7.4.1.3 Cooking Loss

PCBs tend to sequester in the fat of fish. When skin-on fish fillets are cooked, most of the fat is cooked off which lowers the PCB concentrations of the cooked fish. Although the laboratory analysis was conducted on raw fish, cooking loss was not considered because the fish tissue concentrations were based on the laboratory analysis of skin-off fillet samples. Skinning the raw fillets prior to analysis effectively removes the majority of fat deposits. It is estimated that removing most of the fat deposits by skinning the raw fish results in similar concentration loss that occurs by cooking the skin-on fish fillets.

7.4.1.4 Intestinal Absorption Factor

The IAF used for fish COPCs was set at 1 (USEPA 1986).

7.4.1.5 Body Weight

The average body weight values for the young child (1 through 6 years) and the adult were 15 kilograms (kg) and 70 kg, respectively (USEPA 1989, 2008).

7.4.1.6 Averaging Time

The cancer-based averaging time was based on a 70-year lifetime for all age groups and equates to 25,550 days (70 years x 365 days/year) (USEPA 1989). The noncancer averaging time for each of the scenarios was based on the receptor- and scenario-specific exposure duration in years multiplied by 365 days/year. The noncancer-based averaging time is constant across the scenarios in that it is always the exposure duration multiplied by 365 days/year.

7.4.2 Fish Consumption Risk Characterization

The fish consumption risk characterization integrates the information developed in the exposure assessment and the toxicity assessment into an evaluation of the potential risks from consuming fish caught from Choccolocco Creek. Cancer risks were calculated for carcinogenic COPCs where cancer toxicity values were available. Noncancer health effects were evaluated for COPCs (i.e., including carcinogens) where noncancer toxicity values were available.

The RME cancer risks and HQs are summarized in Tables 7-7 and 7-8 for the primary COPCs and TEQs, respectively. The corresponding CTE summary tables are presented in Tables 7-9 and 7-10.

The greatest risks were calculated for the PCB cancer and the PCB and mercury noncancer RME scenarios. Lower risks were calculated for the other COPCs in fish (DL PCB TEQ, PCDD/DF TEQ). The risks calculated for DL PCB TEQ were lower than the risks calculated for PCBs for the RME and CTE scenarios. The risks from the targeted species groupings were similar to the risks calculated for the all species category.

PCBs resulted in RME HQs greater than 10 for every location. The RME HQs from mercury, DL PCB TEQ, and PCDD/DF TEQ were greater than 1 at a number of locations and were less than the PCB HQs.

The CTE cancer risks and HQs were less than the RME. Cancer risks were within or slightly above the USEPA acceptable risk range, and HQs for PCBs were greater than 1. The risks

calculated for location Group A were slightly less than the risks calculated for location Groups B and C. Within the location group, the risks calculated for the individual species and the all species were similar.

7.5 Risk from Direct Contact Exposure

This section presents an evaluation of risks from the direct contact pathway, which includes exposure from incidental ingestion and dermal absorption from floodplain soil. Because the floodplain in OU-4 is more than 6,000 acres, has numerous property owners, and varied land use, the floodplain area was separated into 25 EUs to facilitate the evaluation of exposure and risk for the recreational user, utility worker, and farmer scenarios. Residential areas are being evaluated as part of the NTC Removal Action agreement between Solutia and USEPA and, as a result, were not included in the HHRA.

The calculations of risk were similar to the fish ingestion pathway and involved using EPCs, ingestion rates, dermal absorption rates, and other parameters to calculate an exposure dose. The exposure dose was compared with the toxicity factors identified in Section 7.3.

7.5.1 Direct Contact Exposure

The OU-4 floodplain area was divided into the 25 EUs shown on Figure 4-1. Seven EUs were eliminated from further consideration in the HHRA because PCB concentrations (either maximum detected concentration or 95% UCLs) were less than 1 mg/kg. Four EUs had utility lines or industrial facilities (e.g., WWTP) and are, therefore, applicable to the utility or industrial worker. These four EUs had PCB total soil EPCs greater than 1 mg/kg and were evaluated for the utility or industrial worker exposure pathway in the HHRA.

Soil exposure was evaluated as both surface soil and total soil, with surface soil defined as 0–1 feet bgs and total soil defined as 0–4 feet bgs. Surface soil concentrations were applied to the recreational user and to the farmer, where most of exposure would likely be to the top foot of soil. Exposure to total soil (0–4 feet bgs) was evaluated for the utility or industrial worker who could be exposed to a greater depth interval during typical work activities. Agricultural EUs (Figures 7-2 through 7-5) were used to develop data sets/statistics to use in calculating direct contact exposures to the farmer.

For PCBs and mercury, the EPC for direct contact exposure is represented by the 95% UCL (USEPA 2010a,b). The equations used for the 95% UCL calculations are based on the shape and underlying distribution of the concentration data. Each contaminant was looked at individually, and professional judgment was used, guided by both the ProUCL Technical Manual (USEPA 2010a) and the ProUCL User's Guide (USEPA 2010b). The EPCs for PCBs and mercury in the direct contact EUs in surface and total soil are included in Tables 7-11 and 7-12, respectively. EPCs for the agricultural EUs are presented in Table 7-13. The same EPC values were used for the RME and CTE scenarios.

For other floodplain soil COPCs, a site-wide approach was used to calculate EPCs for PCDD/DF TEQ, PAHs, and metals other than mercury. A single EPC was calculated for each of these soil COPCs to be representative of the COPC concentration throughout OU-4. The USEPA ProUCL program was used to calculate the EPCs. For EPCs used in the risk assessment for the other soil COPCs see Table 7-14.

7.5.2 Direct Contact Exposure Assessment

To streamline the presentation and discussion of exposure parameters, they were separated into two categories. The first category is the constant exposure parameters that were similar for all exposure scenarios. These parameters are not repeated in each scenario-specific discussion. The second category is the receptor-specific exposure parameters. These parameters were usually different for each receptor and are presented in the exposure scenario-specific discussions.

7.5.2.1 Constant Exposure Parameters

The following exposure parameters values were constant for all exposure scenarios:

- Body weight
- Averaging time – cancer and noncancer
- Dermal absorption factor (ABS)
- IAF from soil

The average body weight values for the young child (1 through 6 years) and the adult were 15 kg and 70 kg, respectively (USEPA 1989, 2008). For the adolescent (7 through 16 years), the body weight was 45 kg (USEPA 1997a, 2000c). These values were used in the RME and CTE evaluations and are constant across all scenarios.

The cancer-based averaging time was based on a 70-year lifetime for all age groups and equates to 25,550 days (70 years x 365 days/year) (USEPA 1989). The noncancer averaging time for each of the scenarios was based on the receptor- and scenario-specific exposure duration in years multiplied by 365 days/year. The noncancer-based averaging time was constant across all scenarios in that it was always the exposure duration multiplied by 365 days/year.

The ABS term (unitless) represents the fraction of a COPC that was assumed to penetrate the skin following contact with contaminated soil. Similar to the HHRAs for OU-1/OU-2 and OU-3 of the Anniston PCB Site, an ABS value of 0.06 was used for PCBs (Solutia 2002b). The ABS values for the other COPCs were used in the RME and CTE evaluation and were obtained from USEPA Risk Assessment Guidance for Superfund (RAGS) Part E guidance (USEPA 2004c).

The IAF term (unitless) represents the fraction of COPCs assumed to be absorbed through the gastrointestinal tract following the incidental ingestion of soil. Similar to the HHRAs for OU-1/OU-2 and OU-3, an IAF value of 0.3 was used for PCBs in soil (Solutia 2002b). IAF values for the other COPCs were 1.0. The IAF values were used in the RME and CTE evaluations for all scenarios involving the soil ingestion route of exposure.

7.5.2.2 Receptor-Specific Exposure Parameters

Receptor-specific exposure parameters were used depending on the exposure scenario and are discussed below for the recreational user, the utility worker, and the farmer.

Recreational User Exposure Parameters

Recreational users are potentially exposed to COPCs in surface soil (0–1 foot bgs) through incidental ingestion, dermal contact, and absorption and the inhalation of particulates. For PCBs, the inhalation pathway usually has minimal exposure and risks compared to the ingestion and dermal exposure pathways. As a screening step, the highest (worst-case) PCB concentrations and the most conservative inhalation exposure parameters were used to evaluate risks. The exposure

and risk from inhaling particulates were calculated as well below the other soil-related exposures. Therefore, the inhalation pathway was not further evaluated quantitatively in the HHRA.

The recreational receptors included young children, adolescents, and adults that use the OU-4 floodplain for various recreational activities, including walking, hiking, picnicking, riding all-terrain vehicles, hunting, fishing, and related activities. The exposure parameters for the recreational-user scenario were developed to cover the potential exposure associated with the recreational activity that would involve the most exposure to soil. The age groups of the recreational-user receptors evaluated at an EU were determined based on the EU's access characteristics. The young child receptor was evaluated at EUs located close to residences or at areas with easy access to the floodplain. The adolescent and adult were evaluated for each recreational EU. Table 7-1 presents the recreational user exposure scenario evaluated per EU.

- Incidental soil ingestion

  For soil ingestion, an FI value of 1.0 was used. An FI of 1.0 assumes that the exposed individual receives 100% of their daily soil intake while engaging in recreational activities at the EU.

- Dermal contact and absorption

  For dermal contact and absorption, exposure frequency can vary at different EUs as a function of the location and accessibility of the EUs. Because of vegetation, many floodplain areas are not readily accessible; a reduced recreational user exposure frequency of 52 days/year was used for low-contact recreational. At recreational EUs located near residential properties or areas where access is not restricted by vegetation (e.g., along maintained pathways), a higher exposure frequency value of 104 days/year was used. This is termed "high-contact recreational." For a summary of EU exposure scenarios and receptors see Table 7-1.

  The RME parameters for exposed skin surface area were also used for the CTE analysis. The young child and adolescent RME exposure duration values were also used for the CTE. An exposure duration value of 15 years was used for the adult recreational user. This value is half the RME value. A soil FI value of 0.5 was used. This assumes that the exposed individual receives 50% of their daily soil intake from within the EU. At most of the recreational EUs, the recreational users were assumed to be exposed to soil 26 days/year which assumes exposure 1 day every 2 weeks over the course of a year (52 weeks). An exposure frequency value of 52 days/year (once a week) was used at recreational EUs located near residential properties.

Utility Worker Exposure Parameters

Utility workers, or other industrial workers, could be exposed to COPCs in surface and subsurface soil (total soil) in OU-4 via the incidental soil ingestion and dermal contact routes of exposure during typical work activities that require excavation. The exposure was based on short-duration intense soil contact activities.

The soil ingestion rate was 330 mg/day (USEPA 2002b). The exposed skin surface area value was 3,300 square centimeters (cm^2; USEPA 2004c) and assumes that the head, hands, and forearms are exposed. The skin adherence factor was 0.3 milligrams per square centimeter

(mg/cm^2), which corresponds to the 95th percentile value for the construction workers activity (USEPA 2004c). The utility worker exposure duration was 1 year. The exposure frequency was 10 days/year which assumes the utility worker maintains easements and inspects, repairs, and replaces equipment. The FI was 1.0.

The RME parameters for skin adherence factor and exposure duration were also used for the CTE analysis. A soil ingestion rate of 100 mg/day was used (USEPA 2003c). The skin adherence factor was 0.1 mg/cm^2, which corresponds to the geometric mean value for the construction workers activity (USEPA 2004c). The exposure frequency was 5 days/year, which is half of the RME value. The FI was 0.5.

Farmer Exposure Parameters

The farmer exposure scenario consists of an adult contacting floodplain soil during typical farming activities such as planting and harvesting. It was applied to EUs used for agricultural (Figures 7-2 through 7-5). Note that the agricultural EUs were used for the direct contact exposure scenario for the farmer. As described in detail in Section 7.6, because actual farming in OU-4 is limited, the assessment of risks from agricultural products consumption uses a hypothetical range of assumptions to address potential future uses and does not use the agricultural EUs included on Figures 7-2 through 7-5.

Higher soil ingestion rates are used for contact-intensive activities such as farming. USEPA recommends a soil ingestion rate of 330 mg/day for construction work activities (USEPA 2002b). This value represents the 95th percentile rate based on Stanek at al. (1997). The 90th percentile ingestion rate from the Stanek study was 200 mg/day. The soil ingestion rate of 200 mg/day was used in the RME for the adult farmer. This rate applies to planting and harvesting activities in which heavy equipment can be used and fugitive dust can be generated.

The RME exposure frequency for the adult farmer contact with floodplain soil was 10 days/year. This value is based on a 200-day growing season and assumes that a farmer spends 5 days/year planting and 5 days/year harvesting in the floodplain. An exposed skin surface area value of 3,300 cm^2 was used. An adherence factor value of 0.4 mg/cm^2, which is the 95th percentile value for the farmer activity, was used (USEPA 2004c). The farmer-based exposure duration value of 40 years was used in the RME evaluation (USEPA 2005c). An FI value of 1.0 was used.

The RME parameters for the skin adherence factor and exposure duration were also used for the CTE analysis. The soil ingestion rate was 100 mg/day (USEPA 2003c). The CTE exposure frequency for the adult farmer contact with floodplain soil was 5 days/year. A skin adherence factor value of 0.1 mg/cm^2, which is the geometric mean value for the farmer activity, was used (USEPA 2004c). A soil FI value of 0.5 was used.

7.5.3 Direct Contact Exposure Risk Characterization

The following subsections present the results of the RME risk calculations. The EU-specific risks were based on the primary COPCs (PCBs, DL PCB TEQ, and mercury). Site-wide (i.e., OU-4 area) risks were estimated based on the assumption that the calculated EPCs were representative of the entire OU-4 area.

7.5.3.1 Exposure Unit Risks

Tables 7-15 and 7-16 present a summary of the total RME cancer risks and noncancer HIs from the primary COPCs (PCBs, DL PCB TEQ, and mercury) at each direct contact EU and

agricultural EU, respectively. The recreational cancer risks based on both PCBs and PCB DL TEQ were either within or less than the USEPA acceptable cancer risk range of 1×10^{-6} to 1×10^{-4}.

The noncancer RME HIs for all soil contact exposure scenarios (recreational, worker, and farmer) were less than or equal to the noncancer benchmark of 1 at all the direct contact EUs. Recreational user, utility worker, and farmer CTE cancer risks were less than the USEPA acceptable cancer risk range of 1×10^{-6} to 1×10^{-4} at all direct contact and agricultural EUs. Recreational user, utility worker, and farmer CTE HIs were less than the noncancer benchmark of 1 at all direct contact and agricultural EUs.

7.5.3.2 Site-Wide Risks

Site-wide RME risks were estimated for PCDD/DF TEQ, carcinogenic PAHs—benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene—aluminum, arsenic, chromium, cobalt, iron, and manganese. Risks were estimated assuming high-contact and low-contact recreational exposure. Table 7-17 presents the results of the RME cancer risk calculations. Table 7-18 presents the RME noncancer HIs.

The site-wide cancer risks were within the USEPA acceptable risk range. The risks ranged from 2×10^{-6} to 9×10^{-6}. The noncancer HIs were less than the noncancer benchmark of 1, ranging from 0.04 to 0.7.

Cancer risks and HQs estimated for direct contact exposure were all within or less than typical acceptable risk ranges for both RME and CTE exposures. Based on the conservative approach taken in calculating these risks, it is unlikely that direct contact exposure of recreational users, farmers, or workers to floodplain soils would result in unacceptable human health risks.

7.6 Risk from Agricultural Products Consumption

Current agricultural activities in the OU-4 floodplain are primarily beef cattle grazing and row crop production. Row crops were considered as animal feed crops and not as human consumables. Raising dairy cows (milk consumption) and poultry (chicken and egg consumption) and growing vegetables within the floodplain were considered potential future activities.

7.6.1 Agricultural Products Consumption Exposure Assessment

Previously conducted investigations did not analyze agricultural products that would be consumed by humans. Therefore, the concentrations of PCBs that would be ingested were estimated from soil concentrations using uptake/transfer models. The models predict the degree to which PCBs measured in the floodplain soil could be transferred to plants (root uptake) and animals (incidental soil ingestion and ingesting feed grown in the floodplain). Predictive models were used to estimate the concentrations of PCBs in plants (i.e., vegetables and animal feed) and animal products. The approach and models presented in USEPA's *Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities* (USEPA 2005d) were preferentially used. The types of plants evaluated include aboveground and belowground (root) vegetables for human consumption and animal feed (e.g., pasture grass, silage). The predicted concentrations of PCBs in vegetables were used to estimate exposure from human consumption of homegrown garden vegetables. The predicted concentrations in animal feed (i.e., forage,

silage, grain) were used to model uptake into animals grazing and foraging in the floodplain and consuming feed raised in the floodplain.

Predicted PCB concentrations in livestock were modeled based on a variety of livestock ingestion assumptions. To create the range of livestock ingestion assumptions, the fractions of food that were assumed to be grown in the floodplain (FI) factors were set to 10%, 25%, 50%, and 100%, depending on the agricultural product.

Exposure Parameters

Because current farming (and home gardens) in the floodplain is limited and to account for the potential for future farming uses, a range of PCB concentrations in floodplain soils was selected for evaluation rather than using calculated EPCs for the agricultural EUs. Consumption of homegrown vegetables, beef, dairy products (milk), chicken, and eggs were evaluated for the adult and young child using 1 mg/kg, 5 mg/kg, 20 mg/kg, and 40 mg/kg PCBs in floodplain soil. Only RME exposures were calculated. CTE exposure parameters were not used in the agricultural assessment because of the hypothetical nature of the exercise along with the use of variable percent grown/raised in the floodplain.

Information presented in USEPA's *CSFII Analysis of Food Intake Distributions* (USEPA 2003d) was used to estimate the potential exposure resulting from consuming food products grown or raised in the floodplain. Per capita food intake estimates on an as-consumed basis were used. As-consumed intake rates are based on the weight of the food in the form that it is consumed. As a result, preparation and cooking losses of contaminants were not applied to the intake rates.

For the RME analysis, the averages of the 95th percentile intake values across the appropriate age categories were used. The per capita intake rates were multiplied by the fraction of the intake that is home produced to arrive at the estimate of the as-consumed homegrown intake rate used in the HHRA. The fraction of intake that is home produced was obtained from the *Exposure Factors Handbook* (USEPA 1997a).

The fraction of produce (aboveground and belowground vegetables) ingested from the floodplain (the FI term) is typically based on the fraction of the planted area within the floodplain. A range of FI values was used to account for potential future changes in agricultural areas. For this analysis, the FI term for vegetable ingestion was set at the following values: 10%, 25%, 50%, 75%, and 100%. An exposure factor of 350 days/year was used for the child and adult. The farmer-based exposure duration value of 40 years (USEPA 2005c) was used in the RME evaluation: 6 years of child exposure and 34 years of adult exposure.

7.6.2 Agricultural Products Consumption Risk Characterization

The estimated risks for each of the agricultural products using the range of PCB concentrations and FI percentages are presented in Tables 7-19 through 7-23. The tables use shading to denote risks that are within or above the USEPA range of acceptable risks. Table entries that are not shaded show cancer and noncancer estimated risks that are less than the USEPA acceptable range of risks.

7.6.2.1 Vegetable Ingestion

The risk matrix for homegrown vegetable ingestion is presented in Table 7-19. Even at the highest FI assumption and the highest PCB soil concentration, the calculated cancer risks from the ingestion of homegrown vegetables were within USEPA's acceptable risk range. The total HI

slightly exceeded the noncancer benchmark of 1 at the highest PCB soil concentration of 40 mg/kg and the highest FI assumption of 100%. Given that homegrown vegetables are typically raised near the actual residences (that are addressed under the NTC Agreement and not included in the HHRA) and the highest soil PCB concentrations in most of the agricultural EUs are away from the residential areas and closer to the creek, the potential for any unacceptable risks from consuming homegrown vegetables is low.

7.6.2.2 Beef Ingestion

The risk matrix for beef ingestion is presented in Table 7-20. Two cattle ingestion scenarios were assumed. The first scenario assumed cattle ingest forage, silage, grain, and soil from the floodplain. The second assumed cattle ingest only forage and soil from the floodplain. For both scenarios, the FI terms were set at 10%, 25%, and 50%.

The cancer risks at 1 mg/kg PCBs in soil for all cattle ingestion scenarios were within the USEPA acceptable risk range of 1×10^{-6} to 1×10^{-4}. The HQs for 1 mg/kg PCBs in soil for each FI percentage from the floodplain scenarios were less than the noncancer benchmark of 1.

The cancer risks at 5 mg/kg PCBs in soil for all cattle ingestion scenarios were within the USEPA acceptable risk range of 1×10^{-6} to 1×10^{-4}. The HQs were slightly greater than 1 at the 5 mg/kg PCBs soil level assuming the 50% FI ingestion scenario.

At the 20 mg/kg PCB soil level, the cancer risks were greater than 1×10^{-4} for the 50% FI scenario. The HQs were greater than 1 (up to a maximum of approximately 10) at the 20 mg/kg soil levels for all ingestion scenarios.

At the 40 mg/kg PCB soil level, the cancer risks were greater than 1×10^{-4} for the 25% and 50% ingestion scenarios. The HQs were greater than 1 (up to a maximum of approximately 19) at the 40 mg/kg PCB soil level for each ingestion scenario.

Based on these results, consuming meat on a regular basis over a long period of time from cattle grazed in areas with the highest soil PCB concentrations found in agricultural areas (20 and 40 mg/kg) would be a potential health concern for local farmers.

7.6.2.3 Dairy Ingestion

The risk matrix for dairy (milk) ingestion is presented in Table 7-21. Two cattle ingestion scenarios were assumed. The first assumed cattle ingest forage, silage, grain, and soil. The second assumed cattle ingest only forage and soil from the floodplain. For both scenarios, the FI terms were set at 10%, 25%, and 50%.

The cancer risks at 1 mg/kg PCBs in soil for both ingestion scenarios were within the USEPA acceptable risk range of 1×10^{-6} to 1×10^{-4}. The HQs at 1 mg/kg PCBs in soil for both cattle ingestion scenarios were less than the noncancer benchmark of 1.

At the 5 mg/kg PCBs soil level, the cancer risks were within the USEPA acceptable risk range for both ingestion scenarios. The HQ was slightly greater than 1 at the 5 mg/kg PCB soil level for the 50% FI for the ingestion of forage, silage, grain, and soil from the floodplain.

At the 20 mg/kg PCBs soil level, the cancer risks were within the USEPA acceptable risk range for all scenarios. The HQs were greater than 1 for the 25% and 50% FI ingestion scenarios (up to a maximum of 6).

At the 40 mg/kg PCB soil level, the cancer risks were greater than 1 x 10^{-4} for the 50% ingestion scenarios. The HQs were greater than 1 (up to a maximum of 13) at the 40 mg/kg PCB soil level for each ingestion scenario.

Although there are currently no known dairy farms within the OU-4 floodplain where elevated levels of PCBs exist, the potential exists for risks to local dairy farmers should they consume milk on a regular basis over a long period of time from dairy cows from a future dairy operation with grazing sited in the highest PCB concentration areas of the floodplain.

7.6.2.4 Chicken and Eggs Ingestion

The risks from the ingestion of chicken and eggs raised in the floodplain are shown in Tables 7-22 and 7-23, respectively. The calculated cancer risks were either within or less than the USEPA acceptable risk range. The HQs were less than the noncancer benchmark of 1. Although there are no known chicken-raising operations in the floodplain where elevated levels of PCBs exist, if such operations were considered in the future, there is little likelihood for any unacceptable health risks from the consumption of locally raised chicken or eggs.

7.6.2.5 Soil Bioavailability to Farm Animals

A sensitivity analysis was conducted to determine the impact to the risk estimates if a lower soil bioavailability was used. Only beef and dairy consumption were evaluated because they represented the primary exposure pathways that resulted in risk estimates greater than 1 x 10^{-4} and/or greater than an HI of 1. The other exposure assumptions used for the two pathways were kept the same.

Tables 7-24 and 7-25 present the modified risk estimates for beef and dairy ingestion, respectively, assuming the lower-end bioavailability factors. As shown in Table 7-24, only the most conservative set of assumptions for beef ingestion, including the highest soil concentrations, result in predicted cancer risks greater than 1x 10^{-4}. For noncancer HIs, only soil concentrations at 20 and 40 mg/kg resulted in HIs greater than 1. Table 7-25 shows the risk estimates for dairy consumption. The cancer risk and HIs show similar results in that only the higher soil concentrations and more conservative exposure assumptions result in risks greater than typical benchmarks.

The actual bioavailability for PCBs in cattle/cows is most likely somewhere between 50% and 100%, but reliable data are not available to determine a more definitive value. It is very likely that assuming 100% soil bioavailability of PCBs in the risk assessment overestimates the risk from beef and dairy cattle to some degree.

7.7 HHRA Uncertainties Analysis

As with any HHRA, there are numerous sources of uncertainty associated with an attempt to estimate current and future potential human health risks. USEPA guidance tends to overstate risk to ensure protectiveness to the public. This is also true of this HHRA in that most of the assumptions used tend to overestimate risk to human health.

The assumptions, input variables, and calculations used for the HHRA include multiple uncertainties that could result in over- or underestimating risk from the consumption of fish from Choccolocco Creek. The overall RME approach to the risk assessment tends to overestimate risk for all but the most-exposed individuals, while the CTE risk was based on the actual creel survey conducted on the Site that has a longstanding fish consumption prohibition. Assuming the fish

consumption prohibition is effectively reducing the number of people who consume fish from Choccolocco Creek, the CTE risks calculated using the creel study results are less than the risks if the fish consumption prohibition was not in place.

In general, due to the practice of overstating exposure (especially for the RME) and the toxicity criteria, it is likely that the risks presented for direct contact exposure are overestimated to a significant degree.

The calculation of risks through the ingestion of agricultural products pathway differs from risks associated with fish ingestion and direct contact with soil in that agricultural practices are uncommon in the floodplain and risk matrices were calculated for a hypothetical range of PCB concentrations along with a range of farming practices and human consumption rates. The models used in the HHRA were designed to be conservative and may result in overestimating the concentrations of PCBs in the agricultural products of interest and potentially overestimating risk to humans who are assumed to consume these products.

7.8 Integrated Risk Characterization

The HHRA evaluated potential risk from the three primary exposure pathways individually. These exposure pathways included fish ingestion, direct contact with floodplain soils, and the ingestion of agricultural products grown on floodplain soils. Of these three exposure pathways, the ingestion of fish (assuming no fish consumption prohibition) poses the most significant risks. Currently, beef and dairy farming is limited in the OU-4 floodplain; therefore, the risks associated with these practices are also low. Beef and dairy consumption could be a significant risk if an individual raised a significant amount of beef or dairy products for personal consumption in the most highly contaminated areas of the floodplain for a long period of time. Other than the worst case agricultural pathway assumptions (highest consumption rates from the highest concentration areas), combining the direct contact and agricultural product risks to the risks associated with fish ingestion has little impact on the magnitude of the risk. Conversely, if an individual heeded the fish consumption advisory and did not consume fish from Choccolocco Creek on a regular basis, most farming and recreational activities are not likely to create risks that exceed the USEPA acceptable range.

7.9 Remedial Goal Options

As the final step in the HHRA process, JMWA, on behalf of USEPA, developed media-specific RGOs for OU-4. Tables with RGOs and a discussion of how they were developed were provided by USEPA via email (email from Pamela Scully of USEPA dated June 3, 2014). RGOs are site- and media-specific long-term goals that will be used while evaluating potential alternatives and, in the long term, to assess the effectiveness of the implemented remedy. RGOs were developed for the human consumption of fish tissue and for the consumption of agricultural products (vegetables, beef, and dairy) grown in the OU-4 floodplain. RGOs for fish tissue were developed for PCBs and mercury in fish tissue. RGOs for agricultural products were developed for PCBs in soil that would be used to grow agricultural products.

Based on the results of the OU-4 HHRA, RGOs were calculated for exposure scenarios with a cancer risk $\geq 1 \times 10^{-4}$ or an HI >1 for COPCs with an individual cancer risk $\geq 1 \times 10^{-6}$ or an HQ ≥ 0.1. For OU-4, RGOs were not developed for direct contact with soil, sediment, surface water,

air, or other media or constituents, as the HHRA concluded that none of the direct contact exposures to these media were outside of the USEPA acceptable risk range.

RGOs were developed for fish tissue based on the range of cancer risks (1 x 10^{-4}, 1 x 10^{-5} and 1 x 10^{-6}) and the range of noncancer risks (HIs of 0.1, 1, and 3) and are listed in Table 7-26. RGOs for fish tissue were developed recognizing that direct remediation of fish is not possible and that RGOs will be approached or achieved through a decrease in sediment concentration.

RGOs for agricultural products grown in the floodplain are expressed as PCB concentrations in soil. These were calculated based on hypothetical future use scenarios (based on uptake and transfer models), as current agricultural uses of the floodplain are uncommon and there is no evidence of people eating locally grown dairy or beef at the frequency and rates that would calculate risks above the USEPA acceptable risk range. For dairy and beef cattle, RGOs were developed for a range of assumptions for how much of the cattle feed would be grown in the floodplain; the range of assumptions included 10%, 25%, or 50% of the cattle feed would be grown in the floodplain in addition to the direct exposure of the cattle to floodplain soil while foraging. RGOs for PCBs in soil were also developed for growing vegetables in the floodplain, with the conservative assumption that 100% of a person's vegetable portion of diet would be grown in the floodplain. Even with this conservative assumption, the RGOs calculated for eating vegetables grown in the floodplain are significantly higher than the RGOs calculated (for soil) for the human ingestion of dairy and beef from cattle with some fraction of their diet grown in the floodplain. The RGOs (for PCBs in soil) calculated by USEPA for the ingestion of agricultural products grown in the floodplain are included in Table 7-27.

Site-specific RGOs were calculated by USEPA by rearranging the risk assessment equations that calculate site-specific risks:

$$EPC \div cancer\ risk\ = RGO\ \div target\ risk\ (TR)$$

or

$$EPC\ \div HQ = RGO\ \div target\ HQ\ (THQ)$$

By rearranging the equations above, site-specific RGOs for fish and soil were calculated using the following equations:

$$RGO\ = EPC\ \times TR\ \div cancer\ risk$$

or

$$RGO\ = EPC\ \times THQ\ \div noncancer\ HQ$$

Where:

TR = target risk, expressed as the risk of cancer (1/10,000 = 10^{-4}, 1/100,000 = 10^{-5}, or 1/1,000,000 = 10^{-6}) from exposure to the specific medium (fish or agricultural product)

THQ = target noncancer risk, expressed as the ratio (quotient) of concentration in the medium relative to the concentration that may cause adverse noncancer health effects

JMWA concludes that site-specific data should be collected prior to implementing remediation based on the hypothetical agricultural product(s) scenario. Examples of site-specific data are included as actual human ingestion rates of agricultural products from the floodplain and/or the collection and the laboratory analysis of agricultural products.

The fish tissue RGOs are based on the premise that reducing sediment concentrations will, over time, result in lower fish tissue concentrations. Soil RGOs (based on agricultural products) are somewhat hypothetical based on a future possible use scenario that is not directly applicable to current uses in the floodplain. Therefore, for both sets of RGOs (i.e., for both media [sediment and soil]), the RGOs are not directly applicable in the conventional sense—to identify, remove and/or treat materials that are above the RGO concentration(s). Instead, the RGOs are used in this RI as a guideline to identify the concentrations in sediment that are most likely to have the greatest effect on reducing the fish tissue concentrations and to identify those areas of the floodplain with concentrations above soil RGOs as a basis for future remedial management decisions.

7.10 HHRA Summary and Conclusions

The HHRA evaluated risks from three nonresidential exposure pathways identified for OU-4. Residential uses are addressed under the NTC Removal Action agreement and were not included in this HHRA. The three exposure pathways evaluated were exposure to anglers who fish in Choccolocco Creek in the absence of a fish consumption advisory, direct contact exposure in the floodplain, and ingestion of agricultural products grown in the floodplain.

The HHRA calculated that the most significant risk to human health in OU-4 would be from catching and eating fish from Choccolocco Creek in the absence of a fishing or fish consumption advisory. Fish consumption would pose a potentially significant health risk to humans if they were to regularly consume fish from Choccolocco Creek at or near the PCB concentrations assumed in the HHRA (2 to 7 mg/kg PCB) in fish tissue. Risks from direct-contact exposures are not likely to be of any concern even from contact with the highest concentration areas.

Risks from consuming beef and dairy products raised in the highest concentration areas of the floodplain could be outside of the USEPA acceptable risk range if current practices changed and a significant portion of beef and dairy products were locally raised and consumed over a long period of time. More typical exposures to these products, even if originating from the floodplain, are unlikely to cause any unacceptable health risks. Risks from other agricultural product consumption, including chicken, eggs, and vegetables, are not likely to be a concern under any current or future circumstances.

RGOs for sediment were developed for the human consumption of fish from the creek. The RGOs for soil are based on raising agricultural products (beef and dairy cattle) in the floodplain. RGOs for growing produce on fields in the floodplain were also developed; however as shown on the tables, they are significantly higher than beef and dairy cattle.

8. ECOLOGICAL RISK ASSESSMENT

Risks to ecological receptors in OU-4 were initially evaluated in the *Screening-Level Ecological Risk Assessment for Operable Unit 4 of the Anniston PCB Site* (SLERA; BBL 2005c). The SLERA determined that ecological risks were possible in OU-4 and that a BERA was necessary to complete the RI/FS process for the OU.

In August 2015, P/S submitted the OU-4 BERA, which was focused on key ecological receptor groups that may reside in or forage within the terrestrial and aquatic habitats of the OU. In June 2016, USEPA provided comments on the August 2015 version of the OU-4 BERA. The document was then revised and resubmitted in October 2016. USEPA reviewed the October 2016 OU-4 BERA and found it addressed many of their comments on the initial version of the document. After reviewing outstanding comments and meeting to discuss the technical issues, there were still several comments left unresolved. Rather than request another revision of the OU-4 BERA, USEPA agreed to include the October 2016 BERA in the Administrative Record for OU-4 and indicated they would conduct supplemental technical evaluations that would be presented in an addendum to the OU-4 BERA. The OU-4 BERA Addendum summarizes USEPA's evaluation and interpretation of the data relative to ecological risks in OU-4 for those specific technical topics where agreement had not been reached in the OU-4 BERA. Some of the key issues where agreement was not reached included critical tissue concentration (CTC) values for assessing effects to several species, interpretation of HQ values from a significant figure (rounding) perspective, categorization of risk, and use of the community data as an LOE in the WOE process.

The remainder of this section provides an integrated summary of ecological risks based on a combination of the OU-4 BERA and the OU-4 BERA Addendum with the understanding that the OU-4 BERA Addendum takes precedence over the OU-4 BERA for those technical evaluations that are presented in both documents. Complete versions of the OU-4 BERA and OU-4 BERA Addendum are provided electronically in Appendices J and K to this RI, respectively.

8.1 Problem Formulation

The OU-4 BERA was based on the ecological CSM that includes sources, release mechanisms, exposure media, and exposure routes for a range of aquatic and terrestrial receptors (Figure 8-1). To complete the OU-4 BERA, chemical data were collected from abiotic media (surface water, sediment, and soil) and a range of biotic tissues. Ecological community data were also collected along with several habitat studies. The OU-4 BERA also included site-specific sediment toxicity and bioaccumulation studies. The combination of these studies and data provided an extensive site-specific dataset with which to conduct a robust risk assessment. The site-specific data, complemented with relevant literature-based information, were incorporated into the OU-4 BERA to support a range of evaluations regarding risks to ecological receptors that may reside or forage within OU-4.

8.1.1 COPC Selection

A total of 28 COPCs were identified in the PCD for the Anniston PCB Site (USEPA 2003a). The COPC list included 17 organic constituents (organophosphorous pesticides, VOCs, and SVOCs) and 11 metals. The USEPA requested that future investigations at the Site include analysis for a "wider list of constituents" in at least 10% of future samples (USEPA 2005a). In addition to the

28 constituents on the PCD list, the wider list included PCDD/DF congeners, PCBs (as total of homologs as well as congeners, including the 12 DL PCB congeners and PCB congener 153), PAHs, and 7 additional metals (aluminum, antimony, copper, selenium, silver, titanium, and zinc). An ASM process was implemented to determine which COPC required evaluation in the BERA. In further evaluations conducted by USEPA—which considered background concentrations, bioaccumulation, and USEPA Region 4 sediment screening values, as discussed in their letter dated June 26, 2012 (USEPA 2012e)—the COPCs list was refined to the following constituents in soil and constituents in sediment, in addition to PCBs, as follows:

Soil COPCs

- PCBs
- Chromium
- Lead
- Mercury
- Vanadium
- PCDD/DFs/DL PCBs

Sediment COPCs

- PCBs
- Barium
- Chromium
- Cobalt
- Lead
- Mercury
- Vanadium
- PCDD/DFs/DL PCBs

8.1.2 Ecological Endpoints and Representative Receptors

Seven AEs were established to represent valuable ecological resources that need to be protected from risk potentially created by COPCs:

1. Survival, Growth, and Reproduction of Aquatic/Terrestrial Plant Communities
2. Survival, Growth, and Reproduction of Benthic Invertebrate Communities
3. Survival, Growth, and Reproduction of Terrestrial Invertebrate Communities
4. Survival, Growth, and Reproduction of Fish Communities
5. Survival, Growth, and Reproduction of Birds

6. Survival, Growth, and Reproduction of Mammals
7. Survival, Growth, and Reproduction of Amphibians and Reptiles

MEs related to each AE were defined based on specific risk questions. MEs are quantitative expressions of observable or measurable changes that are used to evaluate the effects of chemical stressors on AEs. The risk questions and their associated MEs were used to identify risk analysis plan needs for each AE. MEs include a range of HQs, site-specific sediment toxicity testing, quantitative evaluation of site-specific biological community data, and comparisons of Site media concentrations to reference conditions and among assessment areas. HQs represent a modeled or measured exposure estimate compared to a literature-based toxicity value, and HQs provide the primary quantitative LOE for most AEs. Considering PCBs and mercury for benthic invertebrates, site-specific sediment toxicity testing was employed to develop site-specific toxicity thresholds representative of conservative no effect levels or lowest observed effect levels. These values were compared to individual sediment samples in OU-4 as the primary quantitative LOE. The community data are a secondary LOE and represent an estimate of effects based on site-specific community and conditions data from within OU-4.

Representative species are selected to represent birds and mammals within each feeding guild and habitat type found in OU-4. The species were selected based on the endpoints of concern and characteristics of the Site. Other factors considered in selecting representative species include the following:

- Position in the food web
- High potential for exposure (e.g., based on feeding habits or life history)
- Availability of relevant exposure and toxicity data for the species
- Sensitivity to COPCs
- Occurrence within or near OU-4

The bird and mammal species selected for the identified aquatic and terrestrial AEs and feeding guilds are as follows:

Aquatic receptors that reside or forage within the in-stream habitat of OU-4

Receptor Class	**Representative Receptor**
Aerial-feeding insectivorous birds	Tree swallow (*Tachycineta bicolor*)
Aquatic or semiaquatic ground-feeding invertivorous birds	Spotted sandpiper (*Actitis macularius*)
Piscivorous birds	Belted kingfisher (*Megaceryle alcyon*)
	American osprey (*Pandion haliaetus*)
Wading carnivorous birds	Great blue heron (*Ardea herodias*)
Aerial-feeding insectivorous mammals	Little brown bat (*Myotis lucifugus*)
Piscivorous mammals	American mink (*Neovison vison*) and river otter (*Lontra canadensis*)
Aquatic or semiaquatic omnivorous mammals	Raccoon (*Procyon lotor*)

Terrestrial receptors that reside or forage within the floodplain or riparian habitat within OU-4

Receptor Class	Representative Receptor
Herbivorous birds	Mourning dove (*Zenaida macroura*)
Omnivorous birds	Blue jay (*Cyanocitta cristata*)
Terrestrial and semiaquatic ground-feeding invertivorous birds	Carolina wren (*Thryothorus ludovicianus*)
Carnivorous birds	Red-tailed hawk (*Buteo jamaicensis*)
Ground-feeding invertivorous mammals	Southern short-tailed shrew (*Blarina carolinensis*)
Herbivorous mammals	White-tailed deer (*Odocoileus virginianus*)
Carnivorous mammals	Long-tailed weasel (*Mustela frenata*) and Red fox (*Vulpes vulpes*)

8.2 Exposure Assessment

The exposure assessment describes the assumptions and supporting rationale used to estimate exposure to each of the AEs or representative receptors. Complete and significant exposure pathways consistent with the ecological CSM were evaluated. The intensity, spatial, and temporal extent of contact with COPCs are described by the EUs, EPCs, exposure assumptions, and intakes (or dose estimates).

Exposure to COPCs for lower-trophic-level receptors consisting of benthic and terrestrial invertebrate communities, aquatic and terrestrial plant communities, and aquatic life (invertebrate, fish, and amphibian communities) were quantitatively evaluated based on direct contact with environmental media (sediment, soil, and surface water). Exposure to COPCs for upper-trophic-level receptors consisting of birds and mammals were quantitatively evaluated based on dietary food web exposure estimated using measured tissue EPCs or modeled tissue EPCs calculated from abiotic media EPCs and bioaccumulation factors. In addition, tissue burden-based exposures were evaluated for invertebrates, fish, birds, and small mammals. Due to lack of sufficient toxicity data for amphibians and reptiles, potential risk to these receptors were not quantitatively evaluated.

Because of the large size of OU-4 (37 creek miles and 6,000 floodplain acres) and high degree of habitat variability, the Choccolocco Creek portion of OU-4 was divided into smaller subunits/reaches for the assessment—UAA, MAA, and LAA (as identified in Section 4.6.2).

The assessment areas were divided into smaller EUs where data are available to support these smaller groupings. The boundaries are based on logical break points using a combination of natural and man-made features within OU-4 that could affect the transport mechanisms of solids to and from the floodplain and the introduction of non-PCB-containing suspended solids through tributary creek inputs. For example, major roads and bridges, confluence points associated with tributaries and creeks, the physical attributes of the backwater area, and significant changes in the width of the floodplain were considered in identifying the break points between reaches.

The reaches (C1 through C10, shown on Figure 8-2a) are used as EUs for aquatic receptors. Reach C1, which is the segment of Snow Creek included in OU-4, is evaluated independently.

The UAA includes reaches C2 through C4, the MAA includes reaches C5 and C6, and the LAA includes reaches C7 thorough C10. (Figure 8-2a). The lower end of Choccolocco Creek is identified as C10 (Figure 8-2k), and this EU only includes the creek and its sediment (no adjoining floodplain soil areas). Surface water elevations in this lower portion of Choccolocco Creek are controlled by dams located on the upstream and downstream ends of Lake Logan Martin that serve to limit routine flooding of these areas.

For terrestrial or semiaquatic receptors, two types of EUs were selected. For those receptors that feed in association with Choccolocco Creek, a riparian corridor EU was established that includes the area from the creek bank to 100 feet into the floodplain on both sides of the creek. The 100-foot area was operationally defined to estimate exposure, but it is recognized that the actual riparian area may vary in width depending on specific conditions within each EU. For terrestrial receptors, north and south EUs were established from the creek bank to the edge of the 100-year floodplain. This approach is similar to the inner and outer EUs developed to support the OU-4 HHRA (JMWA 2013). The details for each EU are shown on Figures 8-2b through 8-2k.

8.3 Effects Assessment

The effects assessment includes 1) identifying, selecting, and/or developing toxicity values for ecological receptors and 2) calculating site-specific biological metrics to evaluate effects to ecological communities between OU-4 and reference habitats or within reaches. Each of these served as important LOEs in the WOE risk characterization for the OU-4 BERA.

8.3.1 Toxicity Values

Toxicity values can be media-based, diet-based, or tissue-based. For this assessment, media-based values are used to evaluate lower-trophic-level receptors (e.g., invertebrates and plants). These media-based values are referred to as toxicity benchmarks when derived from published or literature-based sources. The media-based benthic invertebrate toxicity values derived from OU-4 bioassay data are referred to as site-specific toxicity thresholds.

For upper-trophic-level receptors (e.g., birds, mammals), the dietary and tissue-based toxicity values were selected. These are referred to as TRVs and CTCs respectively. A dietary TRV is defined as a daily dose of a chemical expressed in mg/kg-d. Tissue-based CTCs are expressed as milligrams per kilogram (mg/kg) of body weight on a wet weight basis and were selected to evaluate a subset of receptors (e.g., invertebrates, fish, bird eggs, and small mammals).

Toxicity values were evaluated and selected for no observed adverse effect level (NOAEL) and lowest observed adverse effects level (LOAEL) or equivalent values. The NOAEL represents the concentration or dose at or below which no adverse effects on the test organism have been observed. The LOAEL represents the lowest value at which adverse effects have been observed. In the scientific literature, there is usually a range of both NOAELs and LOAELs reported for specific types of organisms (e.g., fish, birds, mammals). Generally, conservative values for the most sensitive species of a given receptor group (e.g., fish, birds, mammals) were selected from the range of NOAELs and LOAELs reported in the scientific literature. The toxicity values selected for use in the OU-4 BERA were based on endpoints that could result in population-level impacts, such as survival, reproduction, development, and growth. Sufficient toxicity data for reptiles and amphibians were not available for selection of benchmarks, TRVs, or CTCs; therefore, risks to these receptors were evaluated only qualitatively. The receptors and COPCs for which media-based toxicity benchmarks, dietary TRVs, or tissue-based CTCs were

developed/selected for OU-4 are listed in the BERA with some changes included in the BERA Addendum.

8.3.2 Community Metrics

A great deal of ecological and biological data has been collected for characterizing OU-4. Although human activity (e.g., urbanization, agriculture, grazing in some areas) has impacted the habitat quality and the ecology within the OU-4 portions of Snow Creek and Choccolocco Creek, there is valuable aquatic and riparian habitat in OU-4 that might be impaired. For all communities except plants, data from the various OU-4 biological community surveys conducted were used to evaluate potential effects of COPCs to ecological communities and to understand upstream-to-downstream spatial trends. For plants, data from the Off-Site RFI Phase 2 floodplain surveys were used. In general, locations in OU-4 (Choccolocco Creek) were compared to each other and/or to observation of habitat conditions in reference locations (upper Choccolocco Creek, Cheaha Creek, and Talladega Creek). The resulting community metrics based on these comparisons were used as a secondary LOE.

8.4 Risk Characterization

Risk characterization consists of three parts: (1) the risk estimation and description, which presents the results for the MEs for each AE; (2) the uncertainty analysis, which describes key uncertainties and whether they are likely to over- or underestimate exposure or risk; and (3) the risk findings, which provide an integrated interpretation of the full group of MEs and their associated uncertainty for each AE to draw risk conclusions. The BERA and BERA Addendum risk characterization used a WOE assessment based on consideration of the existing data available for OU-4 and appropriate computations and interpretations using those data.

The primary LOE in the OU-4 BERA consists of a range of HQs and OU-4 sample comparisons. This LOE includes the following five items:

1. HQs based on estimated EPCs in abiotic media compared to literature-derived benchmarks for lower-trophic-level organisms
2. Individual sample concentration comparisons to site-specific toxicity thresholds for benthic invertebrates
3. HQs based on dietary doses in wildlife food web models estimated using modeled prey tissue concentrations compared to literature-derived dietary TRVs
4. HQs based on dietary doses in wildlife food web models estimated using measured prey tissue concentrations compared to literature-derived dietary TRV
5. HQs based on measured biota tissue concentrations compared to literature derived tissue-based CTCs

Additionally, the three secondary LOEs included in the OU-4 BERA to support the risk characterization are as follows:

1. Site-specific field survey data statistically evaluating potential differences in community metrics between the OU-4 assessment areas and reference habitat areas
2. Comparisons between site-specific COPC concentrations in soil, sediment, or biological tissue to concentrations in reference areas

3. Observations and qualitative survey results for wildlife present in OU-4

The OU-4 BERA Addendum did not change the fundamental approach and analyses in the OU-4 BERA, but rather focused on the specific technical issues where agreement was not reached during the OU-4 BERA comment and review process. Using the same underlying data used in the OU-4 BERA, the OU-4 BERA Addendum evaluated a number of the receptors using alternative inputs and/or interpretation of results to formulate WOE conclusions. The WOE assigns a confidence level of high, moderate, or low to each ME or LOE considering attributes such as site-specificity and the uncertainty with each of the inputs and analysis. The LOEs with the highest rank are used as the basis for overall risk findings.

The results of the OU-4 BERA Addendum are summarized on Table 8-1 and include a range of aquatic and terrestrial receptors. The risks for C1 through C10 are categorized as being acceptable, generally acceptable, indeterminate, unacceptable, or highly unacceptable. The table also groups EUs by overall assessment areas, including UAA (C2 through C4), MAA (C5 and C6), and LAA (C7 through C10). The results for the C1 were not grouped with the UAA results because of the physical break that I-20 forms between C1 and C2. The overall conclusions from the OU-4 BERA and OU-4 BERA Addendum are similar and include the following:

- PCBs are the primary risk driver.
- Predicted risk for aquatic receptors is highest for piscivorous birds and mammals and are driven by PCB concentrations in fish tissue.
- Risk to benthic invertebrates is highest and unacceptable in reaches C1 and C2 and generally acceptable with localized areas of unacceptable risk in some downstream reaches.
- Predicted risk to terrestrial receptors is unacceptable for some receptors in reaches C1 through C4 and generally indeterminate or acceptable in reaches C5 through C10.

8.5 Remedial Goal Options

A wide range of RGOs was identified for OU-4 based on the results of the OU-4 BERA and the OU-4 BERA Addendum. The RGO values from the OU-4 BERA Addendum are presented in Table 8-2 and include a range of constituent concentrations for sediment and soil. Sediment RGOs were identified for benthic invertebrates, birds, and mammals, and soil RGOs were identified for birds and mammals. The RGO values included concentrations defined as NOAELs and LOAELs. These NOAELs and LOAELs were identified for PCBs, mercury, barium (sediment only), chromium, cobalt (sediment only), lead, and vanadium. For benthic invertebrates, NOAELs and LOAELs were only identified for PCBs, mercury, chromium, and lead.

9. RI SUMMARY

This OU-4 RI presents the cumulative data set for the OU-4 portion of the Site and reports data collected over more than 20 years of study, including the collection of soil, sediment, surface water, and biota for chemical analyses and other studies that have been conducted to understand the physical characteristics of the OU and to support the OU-4 HHRA and OU-4 BERA. These data provide sufficient bases to define past and current conditions in OU-4 and to assess risks from those conditions. The data discussed in this report will also support the development and evaluation of remedial alternatives in the OU-4 FS. A summary of this OU-4 RI, including the OU-4 HHRA and the OU-4 BERA, is presented in this section.

9.1 OU-4 and Land Uses

OU-4 is the most geographically expansive of the OUs and includes approximately 37 miles of Snow and Choccolocco Creeks and 6,000 acres of floodplain. Numerous properties in OU-4 are owned by private and public entities and are used for residential, recreational, agricultural, commercial, and industrial purposes. Agricultural and forested lands account for 88% of the current land use within the floodplain, and residential land use is currently limited to several isolated areas. OU-4 includes a variety of distinct terrestrial, riparian, and aquatic ecological habitats and also includes a number of areas that have been substantially affected by urbanization, agriculture/grazing, and other human activities.

A Conservation Corridor was proposed as part of a broader watershed framework for areas surrounding Choccolocco Creek and the downstream portion of Snow Creek. The Conservation Corridor was formalized in 2005 and now includes over 1,500 acres that are protected through permanent deed restrictions. These deed restrictions include a blend of land use restrictions and reserved rights that are designed to protect and enhance water quality in Choccolocco Creek and the downstream portion of Snow Creek, while maintaining the agricultural character for many of the properties. The land use restrictions are designed to protect the riparian zone bordering the creek and limit large-scale development activities, and they are consistent with the overall watershed management guidelines being implemented nationwide.

9.2 Previously Implemented Residential Removal Actions, Interim Measures, Infrastructure Support Projects, and Final Corrective Measures

Significant efforts have already been implemented to control sources and exposures in OU-4. Multiple IMs and final corrective measure projects serve to limit exposure to PCBs and the potential for the PCBs to migrate. The long-term effectiveness of these IM and final corrective measure projects will be subject to review by USEPA in the OU-4 FS. Removal efforts in OU-4 have included multiple residential use areas that were implemented under the NTC Removal Agreement. A total of 59 residential use areas were sampled in OU-4. There were 20 residential use areas with PCB concentrations equal to greater than 1 mg/kg that required removal actions. These removals were conducted for 19 of the 20 residential use areas with access being denied for 1 of the 20 areas. The remaining residential use area will undergo removal if and when the property owner provides access.

9.3 Nature and Extent

The nature and extent of contamination is based on a significant amount of sampling and analytical chemistry-related efforts that have been conducted in OU-4 over the past 20 years. Based on the OU-4 HHRA and OU-4 BERA/OU-4 BERA Addendum the primary media of concern include floodplain soil, sediment, surface water, and biota. The nature and extent of contamination for PCBs in these media are summarized below. The nature and extent of contamination for other media and non-PCB constituents are provided in Section 5 of this OU-4 RI.

9.3.1 Soil

To provide reasonable and logical subdivisions in the floodplain for the purposes of evaluating exposure, the OU was divided into 25 EUs, located on either side of the creek, and a series of logical breaks (e.g., bridges crossing the creeks) moving in a downstream direction (Figure 4-1). Soil PCB concentrations in nonresidential areas were compiled and averaged for each EU from the surface (upper 1 foot) and subsurface (surface to a depth of up to 4 feet). Surface PCB concentrations on an EU basis decrease with distance downstream from the confluence with Snow Creek. The average PCB concentration (including surface and subsurface results) for the Snow Creek portion of the OU-4 floodplain is 28 mg/kg and decreases to 6.3 mg/kg for the floodplain area between Choccolocco Creek's confluences with Snow Creek and Coldwater Creek. Downstream of the Choccolocco Creek's confluence with Coldwater Creek, the average PCB concentration in floodplain soils is 0.73 mg/kg. PCB concentrations also decrease as a function of distance from the creek bank and with distance downstream. PCB concentrations above 1 mg/kg tend to be within 500 feet of the creek bank except for the most upstream areas. With the exception of immediately adjacent to the creek bank, subsurface soil PCB concentrations are similar to the surface PCB concentrations and show the same decrease in concentrations with distance downstream and with distance from the creek bank.

9.3.2 Sediment

PCB concentrations in Snow Creek sediment samples average 5.3 mg/kg and tend to decrease with distance downstream. The SWAC PCB concentrations in sediment for most of Choccolocco Creek are generally less than 0.5 mg/kg (with the exception of the backwater area). This finding is consistent with the PCB results where the majority of measured values (96%) downstream of Friendship Road are less than 3 mg/kg.

The highest concentrations of PCBs in sediment are found in the backwater area at the confluence of Snow and Choccolocco Creeks. This area is relatively flat with low surface water velocities and backs up and floods during high-flow events. Sediments in this area are primarily fine-grained and were deposited in channels and low-lying areas. As a result of periodic inundation and deposition, sediments with higher PCB concentrations tend to be present in the areas with deeper sediment deposits. As remediation measures have been implemented in upstream OUs, the concentration of PCBs associated with particulates entering the backwater area via surface water flow have decreased over time as evidenced by lower PCB concentrations in the surface sediment.

9.3.3 Surface Water

Surface water PCB concentrations in OU-4 are above the chronic AWQC value but not markedly above the average upstream background samples. The measured surface water concentrations are also conservative in that they represent whole-water samples and not true dissolved-phase concentrations. Particulate PCB data for surface water samples provide an indication of PCB particulate transported downstream during base- and high-flow conditions. Although the volume of solids tends to increase with increased flow, the concentration of PCBs associated with those solids tends to stay the same regardless of flow. As evidenced in the soil and sediment deposition patterns, concentrations of PCBs on particulates have decreased over time as source control measures have been implemented and are expected to continue in the upstream OUs. This trend is expected to result in continued declines of surface water PCB levels.

9.3.4 Fish

PCB concentrations in fish tissue show some of the same general trends as in sediment. The PCB concentrations in fish decrease with distance downstream with the highest concentrations in fish tissue found near the upstream end of the OU. Fish tissue PCB concentrations measured at the downstream end of OU-4 (Station 35) for the past 20 years have declined by a factor of 10 over this period. Results from the most recent sampling conducted by ADEM in 2016 indicated that average PCB concentrations in bass, catfish and panfish all below 1 mg/kg.

In addition to the collection and analysis of fish tissue, a fish consumption survey was conducted to provide site-specific input to the OU-4 HHRA regarding the amount of fishing in Choccolocco Creek and the practices of preparing and eating those fish. The survey was conducted over a one-year period and found that the number of anglers accessing the creek and the amount of fish consumed from the creek were significantly lower than estimated by ADEM (1993) for freshwater anglers. These lower fish consumption rates may be due to the difficulty in accessing much of the creek and the increased opportunity for fishing at more accessible locations in the local area. The areas of the creek most likely to be accessed by anglers are where the creek broadens downstream of Jackson Shoals and where concentrations of PCBs in fish are the lowest.

9.3.5 Ecological Investigations

The ecological investigations were conducted to provide data to assess community structure, food web dynamics, and body burdens for receptors in key aquatic and terrestrial habitats associated with Choccolocco Creek and its floodplain. The extensive habitat information collected through a series of site-specific field studies over a period of 15 years provides quantitative data regarding land use practices and habitat quality, resident species, and non-PCB stressors in OU-4 that are present and remain over the long term. These data were important to the OU-4 BERA and provide USEPA with additional information to support the risk management process OU-4.

A combination of field observations, analytical chemistry data, and habitat quality assessments show that the ecology within portions of Snow Creek and Choccolocco Creeks has been affected by human activity. These activities include urbanization, silviculture, and agriculture and have impacted some of the terrestrial and aquatic portions of OU-4. Despite these baseline impacts, there is valuable aquatic and riparian habitat in OU-4 as documented in the habitat studies. These findings are documented in the detailed ecological studies for OU-4 that are based on aquatic and

terrestrial habitat surveys conducted over different seasons and years. The findings from these habitat studies were used to identify reference areas and specific habitats in the OU for the collection of soil, sediment, surface water, aquatic and terrestrial plants, benthic invertebrates, mollusks, crayfish, reptiles, amphibians, soil macroinvertebrates, insects, and small mammals. The detailed habitat and species survey evaluations conducted within OU-4 and in identified reference areas provided site-specific exposure conditions used in preparing the OU-4 BERA. These survey data are also valuable for comparing conditions in OU-4 to reference conditions.

In addition, sediments with a range of PCB concentrations were collected and tested for toxicity using *Hyalella azteca* and *Chironomus dilutus* and measured bioaccumulation using *Lumbriculus variegatus*. The sediment toxicity data generated by USGS and USACE during these studies support a robust assessment regarding the expected range of PCB concentrations where effects on the endpoints of mortality, growth, and reproduction are expected to occur.

This significant compilation of site-specific habitat, chemical, and toxicity testing data for OU-4 adequately describes conditions in the OU and provided a substantial base of technical information used to evaluate estimated risks to ecological receptors in the OU-4 BERA.

9.4 Conceptual Site Model, Contaminant Fate and Transport

Historical fate and transport are important factors in understanding nature and extent of PCBs in OU-4 described above in Section 9.3. The surface water flow transport pathway was a significant factor for determining the distribution of PCBs for the OU-4 portion of the Site. PCB-containing solids were initially conveyed from upstream areas via surface water to and down Snow and Choccolocco Creeks. During periods of the highest flows, the waters of the creeks would flow in and out of the banks, and PCB-containing solids were transported outside of the banks into the broader portions of the floodplains. Once the surface waters were outside of the creek banks, the surface water velocities would drop dramatically, and the PCB-containing solids were deposited within the footprint of the floodplain. This process of downstream migration, flooding, and deposition is the primary source for the historical deposition of PCBs.

9.5 Risk Assessment Summaries

The OU-4 HHRA was prepared by JMWA on behalf of USEPA (Appendix I; JMWA 2013). The ecological risk assessment documents for OU-4 were developed using the eight-step process described in *Ecological Risk Assessment Guidance for Superfund* (USEPA 1997b). The ecological risk assessment process resulted in the development of the OU-4 BERA (Arcadis 2016) and the OU-4 BERA Addendum (USEPA 2018).

These human health and ecological risk assessments and their findings define the risks posed by conditions in the OU and the RGOs that will become the basis for the next step in the CERCLA process of developing the FS to evaluate remedial alternatives in OU-4. The risk assessments and the associated RGOs are summarized below.

9.5.1 Human Health Risk Assessment

The OU-4 HHRA was conducted to identify COPCs and complete exposure pathways and quantify the risks to human health from these COPCs. The HHRA employed a systematic, step-wise process based on USEPA guidance. COPCs were identified for each exposure pathway, and

the HHRA evaluated each of the pathways separately and then evaluated the cumulative risks of combining the pathways in an integrated risk assessment approach.

9.5.1.1 Summary of Human Health Risks

The HHRA evaluated risks from three nonresidential exposure pathways identified for OU-4:

1. Exposure to anglers who fish in Choccolocco Creek in the absence of the USEPA fish consumption advisory
2. Direct contact exposure in the floodplain
3. The ingestion of agricultural products grown in the floodplain

Residential uses are addressed under the NTC Removal Action agreement and were not included in the OU-4 HHRA. Other complete exposure pathways for OU-4, including sediment, surface water, and air, were evaluated in the OU-4 HHRA. Creek sediment was not quantitatively evaluated for direct contact risks in accordance with USEPA Region 4 guidance, which recommends sediment that is covered by water is generally not incidentally contacted and/or ingested to any significant extent by human receptors. Contaminants in sediment are relevant to the fish ingestion pathway for humans.

The available surface water data were screened in the OU-4 HHRA, and it was determined that the detected surface water contaminants were at sufficiently low concentrations such that quantitative assessment of risks from human direct contact was not warranted. Contaminants in surface water are relevant to the fish ingestion pathway for humans.

Air PCB data have been previously quantitatively assessed for risks to residents based on air samples collected at the property boundary (fence line) between the Facility (OU-3) and the adjacent residential areas and portions of OU-1/OU-2 with the highest PCB concentrations in soils. Since the health risks from these measured airborne concentrations were within USEPA's target risk range for the nearby residents, no further quantitative assessment of human risks from exposure via the air pathway was warranted for OU-4.

The HHRA calculated that the most significant risk to human health in OU-4 would be from eating fish caught from Choccolocco Creek in the absence of a fish consumption advisory. Fish consumption poses a potentially significant human health risk to those who regularly consume fish from Choccolocco Creek at or near the PCB concentrations assumed in the HHRA (2 to 7 mg/kg PCB) in fish tissue. Risks from direct-contact exposures are not likely to be of any concern even from contact with the highest concentration areas.

Risks from consuming beef and dairy products raised in the highest concentration areas of the floodplain could be outside of the USEPA acceptable risk range if current practices changed and a significant portion of beef and dairy products were locally raised and consumed over a long period of time. More typical exposures to these products, even if originating from the floodplain, are unlikely to cause any unacceptable health risks. Risks from other agricultural product consumption, including chicken, eggs, and vegetables, are not likely to be a concern under any current or future circumstances.

9.5.1.2 Human Health Remedial Goal Options

As the final step in the HHRA process, JMWA, on behalf of USEPA, developed RGOs for OU-4. RGOs are site- and media-specific, long-term goals that will be used during the evaluation

of potential alternatives and, over time, to assess the effectiveness of the implemented remedy. RGOs were developed for human consumption of fish tissue (PCBs and mercury in fish) and are provided in Table 7-26. RGOs for PCBs in agricultural products (vegetables, beef, and dairy) grown in the floodplain are presented in Table 7-27.

RGOs were developed for fish tissue based on the range of cancer risks (1×10^{-4}, 1×10^{-5} and 1×10^{-6}) and the range of noncancer risks (HIs of 0.1, 1, and 3). RGOs for fish tissue were developed recognizing that direct remediation of fish is not possible and that RGOs will be approached or achieved through a decrease in sediment concentration.

RGOs for agricultural products grown in the floodplain are expressed as PCB concentrations in soil. These were calculated based on hypothetical future use scenarios (based on uptake and transfer models), as current agricultural uses of the floodplain are uncommon and there is no evidence of people eating locally grown dairy or beef at the frequency and rate that would calculate risks above the USEPA risk range. For dairy and beef cattle, RGOs were developed for a range of assumptions for how much of the cattle feed would be grown in the floodplain; the range of assumptions included 10%, 25%, or 50% of the cattle feed would be grown in the floodplain in addition to the direct exposure of the cattle to floodplain soil while foraging. RGOs for PCBs in soil were also developed for growing vegetables in the floodplain, with the conservative assumption that 100% of a person's vegetable portion of diet would be grown in the floodplain. Even with this conservative assumption, the RGOs calculated for eating vegetables grown in the floodplain are significantly higher than the RGOs calculated (for soil) for the human ingestion of dairy and beef from cattle with some fraction of their diet grown in the floodplain. JMWA concludes that site-specific data should be collected prior to implementing remediation based on the hypothetical agricultural product(s) scenario that was modeled in the HHRA.

For both sets of RGOs (sediment and soil), the RGOs are not directly applicable in the conventional sense, that is to identify, remove, and/or treat materials that are above the RGO concentration(s). Instead, the RGOs will be used by USEPA in the FS process as guidelines to identify the concentrations in sediment that are most likely to have the greatest effect on reducing the fish tissue concentrations and to identify those areas of the floodplain with concentrations above soil RGOs as a basis for future remedial management decisions.

9.5.2 Ecological Risk Assessment

USEPA and P/S have worked together over the course of the last 15 years to collect data and evaluate ecological risks, with these efforts culminating in the OU-4 BERA and the OU-4 BERA Addendum. Data collected include the following:

- Measured COPC concentrations in floodplain soil, sediment, surface water, and biotic tissues
- Biological community survey data for terrestrial plants, benthic invertebrates, fish, birds, mammals, and amphibians
- Sediment toxicity testing for the benthic community
- Laboratory bioaccumulation testing for benthic invertebrates

The goal of the risk evaluations is to protect the range of ecological receptors that may reside or forage in the aquatic and terrestrial habitats within OU-4. A WOE approach was employed to evaluate specific ecological receptor groups, which included terrestrial and aquatic plants, invertebrates, birds, and mammals, as well as fish and amphibians. OU-4 was divided into three assessment areas, and each assessment was further divided into reaches for a total of 10 reaches (i.e., C1 through C10). Within each reach,[12] eight COPCS were evaluated for aquatic, terrestrial, and riparian receptors. PCBs were determined to be the primary risk driver, and the results are summarized in Table 9-1. In the aquatic environment, the highest concentrations of PCBs in sediment and several biotic tissue types are present in reaches C1 and C2, and there is an upstream-to-downstream decreasing trend in most cases with fish tissue concentrations being a notable exception.

9.5.2.1 Summary of Ecological Risks

The summary of ecological risk is based on the collective results of the OU-4 BERA and the OU-4 BERA Addendum recognizing where there are differences between these two documents, the OU-4 BERA Addendum takes precedence. The summary of findings based on the ecological risk assessment process for OU-4 include the following:

- PCBs are the primary risk driver.
- Predicted risks for aquatic receptors is highest for piscivorous birds and mammals and are driven by PCB concentrations in fish tissue.
- Risks to benthic invertebrates are highest and unacceptable in reaches C1 and C2 and generally acceptable with localized areas of unacceptable risk in some downstream reaches.
- Predicted risks to terrestrial receptors are unacceptable for some receptors in C1 through C4 and generally indeterminant or acceptable in reaches C5 through C10.

9.5.2.2 Ecological Remedial Goal Options

A wide range of RGOs were estimated for OU-4 based on the results and the inputs for each receptor employed in the risk assessment. RGOs for sediment and soil and by receptor group, as presented in the OU-4 BERA Addendum, are summarized in Tables 8-60 and 8-61, respectively.

[12] Reach C10 was evaluated for aquatic receptors only as the former floodplain and riparian zones are now a part of the sediment exposure and operation of the dams prevents overbank flooding along this reach of Choccolocco Creek. In addition, two of the eight COPCs evaluated in the aquatic environment were not considered COPCs in the terrestrial environment.

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TABLES

Table 2-1. Drainage Areas and Flood Flows
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Drainage Area (mi^2)	Peak Discharge (cfs)	
		10-year	100-year
Snow Creek			
At the mouth[1]	19	4,030	6,900
Choccolocco Creek			
At Friendship Road[1]	222	16,200	31,800
USGS gage near Jenifer[2]	277	18,900	36,000
USGS gage near Lincoln[2]	496	25,500	55,000

1. From Federal Emergency Management Agency (FEMA 1993)
2. Based on USGS gage data (USGS gages 2404500 and 2404000)
cfs: cubic feet per second
mi^2: square miles
OU: operable unit
PCB: polychlorinated biphenyl
USGS: United States Geological Survey

Table 2-2. Flood Events on Choccolocco Creek
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Date	Flow at Jenifer (cfs) (Downstream of Coldwater Creek Confluence)	Flow at Lincoln (cfs) (Jackson Shoals or Highway 77)
January 7, 1946	12,800	27,700
March 29, 1951	20,400	49,300
February 22, 1961	15,800	25,900
April 30, 1963	22,500	36,900
March 16, 1976	--	31,600
March 30, 1977	--	35,800
April 13, 1979	23,000	30,100
March 17, 1990	--	27,400
May 8, 2003	--	27,700

Jenifer flow data based on USGS gage 2404000 (drainage area = 277 square miles)
Lincoln flow data prior to 1960 based on USGS gage 2404500 (drainage area = 496 square miles)
Lincoln flow data after 1960 based on USGS gage 2404400 (drainage area = 481 square miles)
Events selected based on flows at Lincoln exceeding the 10-year event (25,500 cfs)
cfs: cubic feet per second
--: no record available for date
OU: operable unit
PCB: polychlorinated biphenyl
USGS: United States Geological Survey

Table 2-3. Descriptions of Historical Features Identified in the EPIC Study, Anniston EPIC Memo
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Feature Number	Feature in 1940	Feature from 1961–1963	Feature in 1977	Feature from 1990 to 1997	Figure Number Reference
6	Meander scar	Meander scar	Meander scar	Meander scar, wetland	Figure 2-4a
7	Meander scar, woodland	Wetland	Oxbow lake	Oxbow lake	Figure 2-4a
8	Meander scar, woodland	Wetland	Wetland	Wetland	Figure 2-4a
9	Meander scar	Meander scar	Meander scar	Oxbow lake	Figure 2-4a
10	Meander channel	Meander scar	No feature discerned	No feature discerned	Figure 2-4a
11	Creek channel	Creek channel	Meander scar	No feature discerned	Figure 2-4a
12	Meander scar	Meander scar	No feature discerned	Drainage ditch	Figure 2-4a
13	Meander scar	Wetland	Oxbow lake, woodland	Oxbow lake, woodland	Figure 2-4a
14	Meander scar	Meander scar, woodland	Meander scar, woodland	Oxbow lake, wetland	Figure 2-4a
15	Probable meander scar	Woodland	Meander scar	Meander scar	Figure 2-4a
16	Meander scar	No feature discerned	No feature discerned	Meander scar	Figure 2-4a
17	Meander scar, wetland	Meander scar, wetland	Woodland	Meander scar, wetland	Figure 2-4a
18	Meander scar	Meander scar	Meander scar	No feature discerned	Figure 2-4a
19	Meander channel	Meander channel	Meander channel	Woodland	Figure 2-4a
20	Woodland	Woodland	Meander channel	Woodland	Figure 2-4a
21	Woodland	Creek channel	Meander channel	Partial creek channel	Figure 2-4a
22	Woodland	Meander channel	Woodland	Woodland	Figure 2-4a
23	Meander scar	Meander scar	Probable oxbow lake	Oxbow lake	Figure 2-4a
24	Meander scar	Oxbow lake	Oxbow lake	Oxbow lake	Figure 2-4a
25	Meander scar, woodland	Oxbow lake	Oxbow lake	Oxbow lake	Figure 2-4a
26	Meander scar	Wetland	Wetland	Meander scar, wetland	Figure 2-4a
27	Meander scar	Meander scar	Woodland	Meander scar, wetland	Figure 2-4a
28	Creek channel	Creek channel	Oxbow lake , wetland	Oxbow scar, wetland [1]	Figure 2-4a
29	Creek channel	Oxbow lake	Oxbow lake, wetland	Oxbow lake, wetland	Figure 2-4a
30	No feature discerned	Probable oxbow lake	Probable oxbow lake	Probable oxbow lake	Figure 2-4a
31	Creek channel	Creek channel	Oxbow lake, wetland	Oxbow lake	Figure 2-4a
32	Meander scar	Probable drainage ditch	Probable drainage ditch	Probable drainage ditch	Figure 2-4a
33	Meander scar, woodland	Meander scar, wetland	Meander scar	Oxbow lake	Figure 2-4a
34	Woodland	Woodland	Meander scar	Meander scar	Figure 2-4a
35	Creek channel	Oxbow lake	Meander scar, wetland	Meander scar, wetland	Figure 2-4a
36	Meander scar	Meander scar	Meander scar	Meander scar	Figure 2-4a
37	Meander scar	Meander scar	Meander scar	No feature discerned	Figure 2-4a
38	Meander scar	Woodland	Woodland	No feature discerned	Figure 2-4a

Table 2-3. Descriptions of Historical Features Identified in the EPIC Study, Anniston EPIC Memo
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Feature Number	Feature in 1940	Feature from 1961–1963	Feature in 1977	Feature from 1990 to 1997	Figure Number Reference
39	Meander scar	Wetland	Meander scar	Meander scar, wetland	Figure 2-4a
40	Meander scar	Meander scar	No discernible feature	Meander scar	Figure 2-4a
41	Meander scar	Wetland	Meander scar	Oxbow lake	Figure 2-4a
42	Woodland	Woodland	Woodland	Meander scar	Figure 2-4a
43	Meander scar	Meander scar, woodland	Woodland	Meander scar	Figure 2-4a
44	Meander scar	Meander scar	Woodland	Oxbow lake	Figure 2-4a
45	Meander scar	Oxbow lake , wetland	Wetland	Oxbow lake, wetland	Figure 2-4a
46	Meander scar, woodland	Meander scar, woodland	Woodland	Meander scar, wetland	Figure 2-4a
47	Meander scar	Meander scar	Meander scar	Meander scar	Figure 2-4a
48	Meander scar	Meander scar	No feature discerned	Meander scar	Figure 2-4a
49	No feature discerned	Probable excavated ponds	Wetland	Ponds, wetland	Figure 2-4a
50	Meander scar	Meander scar	Meander scar	Meander scar, wetland	Figure 2-4a
51	Meander scar	Meander scar	No feature discerned	Woodland	Figure 2-4a
52	Meander scar	Meander scar	No feature discerned	Meander scar, wetland	Figure 2-4a
53	Woodland	Woodland	Possible oxbow lake	Possible oxbow lake	Figure 2-4a
54	Meander scar, woodland	Wetland	No feature discerned	No feature discerned	Figure 2-4a
55	Meander scar	Excavation, ponds	Ponds	Ponds, partial woodland	Figure 2-4a
56	Creek channel	Creek channel	Creek channel	Meander scar	Figure 2-4a
57	Meander scar	Meander scar, pond	Meander scar, pond	Meander scar	Figure 2-4a
58	Meander scar	Meander scar	No feature discerned	Meander scar	Figure 2-4a
59	Meander scar	Meander scar, wetland	No feature discerned	No feature discerned	Figure 2-4a
60	Meander scar, woodland	Meander scar, woodland	Meander scar, woodland	Meander scar, woodland	Figure 2-4a
61	Meander scar, woodland	Meander scar, woodland	Meander scar, woodland	Meander scar, woodland	Figure 2-4b
62	Meander scar, woodland	Meander scar, woodland	Meander scar, woodland	Meander scar, woodland	Figure 2-4b
63	Meander scar, woodland	Meander scar	Meander scar, woodland	Meander scar, woodland	Figure 2-4b
64	Meander scar	Meander scar	Meander scar	Meander scar	Figure 2-4b
65	Meander scar	Meander scar	Partial woodland	Partial woodland	Figure 2-4b
66	Meander scar	Meander scar	Meander scar, pond	Meander scar, pond	Figure 2-4b
67	Meander cutoff	Meander cutoff, wetland	Creek channel	Creek channel	Figure 2-4b
68	Creek channel	Creek channel	Oxbow lake, creek channel	Oxbow lake	Figure 2-4b
69	Meander scar	Woodland	Woodland	Partial wetland	Figure 2-4b
70	Meander scar, woodland	Meander scar, woodland	Meander scar, woodland	Meander scar and woodland	Figure 2-4c

Table 2-3. Descriptions of Historical Features Identified in the EPIC Study, Anniston EPIC Memo
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Feature Number	Feature in 1940	Feature from 1961–1963	Feature in 1977	Feature from 1990 to 1997	Figure Number Reference
71	Meander scar	Meander scar	Meander scar	Oxbow lake	Figure 2-4c
72	Possible meander scar	No feature discerned	Possible meander scar	Oxbow lake	Figure 2-4c

1. Feature was identified two ways in metadata. The second description was Meander Scar, Wetland.
Features 1 through 5 are not included as they are not in OU-4.
EPIC: Environmental Photographic Interpretation Center
OU: operable unit
PCB: polychlorinated biphenyl

Table 3-1. OU-4 Interim Measures, Infrastructure Support Projects, and Corrective Measure Reference Documents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Appendix	Date	Title	Author	Interim Measure/ Infrastructure Support/Final Corrective Measure
A-01	1997-02	Report of Soil Sampling and Analyses, Project STPAA-62 (15), Bridge Construction over Choccolocco Creek (Station 875 + 95) and Relief Bridge Construction over Tributary near Choccolocco Creek (Station 863 +71), LAW Project No. 50225-6-1334-02	Law	State Highway 21 CM
A-02	1998-10-15	Dredge Spoil Area Evaluation Report, Snow Creek and Choccolocco Creek, Calhoun and Talladega Counties, Alabama	Roux	Dredge Spoil Area IM
A-03	1999-09-13	Dredge Spoil Area RFI/CS Phase 1 Report, Snow and Choccolocco Creeks, Calhoun and Talladega Counties, Alabama	Roux	Dredge Spoil Area IM
A-04	2000-06	Corrective Measures Study for Highway 21 Bridge at Choccolocco Creek, Alabama D.O.T. Project No: STPAA-62(15), Talladega/Calhoun Counties	Solutia	State Highway 21 CM
A-05	2000-08	RFI Results and Interim Measures Plan, Alabama D.O.T. Project No: STPAA-62(15) on S.R. 21 from Cooper Lane to Existing 4-Lane at Oxford Talladega/Calhoun Counties	URS	State Highway 21 CM
A-06	2001-01-10	RCRA Facilities Investigation Results and Interim Measures Plan for the Softball Fields at the Oxford Lake Softball Complex, Oxford, Alabama	Solutia	Oxford Lake Park IM
A-07	2001-04-24	Removal Action Work Plan for the Stockpiled Soil Excavated from the Softball Fields at the Oxford Lake Softball Complex	Solutia	Oxford Lake Park IM
A-08	2001-10-11	Corrective Measures Study Oxford Lake Softball Complex Western Portion (Revision 0)	Roux	Oxford Lake Park IM
A-09	2001-10-30	Memo: Soil Sampling Results, Borrelli Property	Genesis	Prime Property Infrastructure Support
A-10	2001-11-13	Memo: Borrelli Property Cover Material Soil Sampling Event	Genesis	Prime Property Infrastructure Support

Table 3-1. OU-4 Interim Measures, Infrastructure Support Projects, and Corrective Measure Reference Documents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Appendix	Date	Title	Author	Interim Measure/ Infrastructure Support/Final Corrective Measure
A-11	2002-02-06	RCRA Investigation Results and Interim Measures Plan, Oxford Lake Softball Complex, West Area	Roux	Oxford Lake Park IM
A-12	2002-02-22	Corrective Measures Study for Excavated Soil Stockpile at CCWWTP, Oxford, Alabama	Solutia	CCWWTP Excavated Soil Stockpile CM
A-13	2002-08-21	Letter to Solutia: Corrective Measures Study Approval	ADEM	CCWWTP Excavated Soil Stockpile CM
A-14	2002-09-18	Parking Lot Multi-Layer Cover Interim Measures Report, Oxford Lake Softball Complex, Anniston, Alabama	Roux	Oxford Lake Park IM
A-15	2002-11-14	Best Management Practices Plan Construction of Soil Cap, Oxford Lake Recreation Complex, Oxford, Alabama	Roux	Oxford Lake Park IM
A-16	2002-12-17	Letter to Solutia: Authorization to Increase Discharges or Modify Facility Status	ADEM	Oxford Lake Park IM
A-17	2003-01-16	Corrective Measures Implementation Work Plan, Excavated Soil Stockpile at Choccolocco Creek Wastewater Treatment Plant, Anniston, Alabama	Solutia	CCWWTP Excavated Soil Stockpile CM
A-18	2003-05-30	Tennis Court and Parking Area Interim Measures Report, Oxford Lake Softball Complex, Anniston, Alabama	Roux	Oxford Lake Park IM
A-19	2004-02	Corrective Measures Implementation Work Plan Approval	USEPA	CCWWTP Excavated Soil Stockpile CM
A-20	2004-05-28	Oxford Lake Softball Complex Interim Measures Report	Roux	Oxford Lake Park IM
A-21	2004-07	Phase I Completion Report, Corrective Measures Implementation, USEPA I.D. NO. ALD 004 019 048, Highway 21 Bridge at Choccolocco Creek, Alabama D.O.T. Project BR-0021(500), Talladega and Calhoun Counties, Alabama	Solutia	State Highway 21 CM
A-22	2007-05	Final Corrective Measures Implementation Plan Report, Excavated Soil Stockpile at Choccolocco Creek Wastewater Treatment Plant, Oxford, Alabama	Roux	CCWWTP Excavated Soil Stockpile CM

Table 3-1. OU-4 Interim Measures, Infrastructure Support Projects, and Corrective Measure Reference Documents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Appendix	Date	Title	Author	Interim Measure/ Infrastructure Support/Final Corrective Measure
A-23	2008-01-17	Phase I/ Phase II Construction Interim Remedial Measure Report, Choccolocco Creek Wastewater Treatment Plant Expansion Project, Oxford, Alabama	Roux	CCWWTP Infrastructure Support
A-24	2008-03	Phase II/Final Completion Report, Corrective Measures Implementation, USEPA I.D. No. ALD 004 019 048, Highway 21 Bridge at Choccolocco Creek, Alabama D.O.T. Project BR-0021(500), Talladega and Calhoun Counties, Alabama	Solutia	State Highway 21 CM
A-25	2011-06-15	Memo: Soil Sampling Results for the Interstate 20 Bridge Expansion Project, West Abutment Sampling	Genesis	Interstate 20 Infrastructure Support
A-26	2011-10-28	Utility Casing Installation Remedial Measures Completion Report – Construction Support for ALDOT Expansion Of the I-20 Bridge System Over Snow Creek, Oxford, Alabama	Roux	Interstate 20 Infrastructure Support
A-27	2012-04	Oxford Park Softball Complex Field Lighting and Drainage Upgrades	R.S. Williams	Oxford Lake Park Infrastructure Support
A-28	2012-12-18	Dredge Spoil Evaluation Report, Snow Creek and Choccolocco Creek, Calhoun and Talladega Counties, Alabama	Roux	Dredge Spoil Area IM
A-29	2013-11-20	Former Holiday Inn Property Redevelopment Project Completion Report	Solutia	Holiday Inn Infrastructure Support
A-30	2014-02	Comprehensive Operations and Maintenance Plan for Remedial/Corrective Action Projects (Revision 3.1)	Solutia	Oxford Lake Park IM, CCWWTP Excavated Soil Stockpile CM, State Highway 21 CM
A-31	2014-06-19	Miracle Field Construction Completion Report	Solutia	Oxford Lake Park Infrastructure Support
A-32	2014-10-07	Interstate 20 (I-20) Bridge System Over Snow Creek Remedial Measures Completion Report Construction Support for ALDOT Expansion of the I-20 Bridge System Over Snow Creek	Roux	Interstate 20 Infrastructure Support

Table 3-1. OU-4 Interim Measures, Infrastructure Support Projects, and Corrective Measure Reference Documents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Appendix	Date	Title	Author	Interim Measure/ Infrastructure Support/Final Corrective Measure
A-33	2017-06-30	Maintenance Building Construction Project Completion Report	Solutia	City of Oxford Maintenance Garage
A-34	2018-02-05	Choccolocco Creek Waste Water Treatment Plan Proposed Dewatering Facility Construction Support	Solutia	CCWWTP Infrastructure Support

The documents referenced above are provided as Appendix A which is included with this RI Report electronically.

ADEM: Alabama Department of Environmental Management
ALDOT: Alabama Department of Transportation
CCWWTP: Choccolocco Creek Wastewater Treatment Plant
CM: final corrective measure
D.O.T: Department of Transportation
Genesis: Genesis Project, Inc.
IM: interim measure
Law: Law Engineering and Environmental Services, Inc.
OU: operable unit
PCB: polychlorinated biphenyl
RCRA: Resource Conservation and Recovery Act
RI: Remedial Investigation
RFI: RCRA facility investigation
RFI/CS: RCRA facility investigation/confirmatory sampling
Roux: Roux Associates, Inc.
R.S. Williams: R.S. Williams and Associates, Inc.
Solutia: Solutia Inc.
URS: URS Corporation
USEPA: United States Environmental Protection Agency

Table 3-2. Summary of Sampling and Removal Action at OU-4 Residential Properties
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Number of Residential Use Areas for Sampling	Composite Total PCB ≥ 1 mg/kg	P/S Yard Removal Action	Number of Properties Unsuitable for Removal	Number of Properties where Removal Action Access was Denied	Crawlspace Sampling	P/S Crawlspace Removal Action	Indoor Dust Sampling	P/S Indoor Removal Action
59	20	19	0	1	11	1	8	1

mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
P/S: Pharmacia LLC and Solutia Inc.

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLEX-001 (0-3) COMP	9/18/00	Original	0	3	15	NA	1129884.9	660149.7
OLEX-002 (0-3) COMP	9/19/00	Original	0	3	2.2	NA	1130157.0	660263.7
OLEX-003 (0-3) COMP	9/19/00	Original	0	3	3.5	NA	1130193.6	660295.1
OLEX-004 (0-3) COMP	9/19/00	Original	0	3	2.7	NA	1130118.5	660298.5
OLEX-005 (0-3) COMP	9/20/00	Original	0	3	3.0	NA	1130198.6	660156.2
OLEX-006 (0-3) COMP	9/20/00	Original	0	3	0.57	NA	1130076.1	660070.5
OLEX-007 (0-3) COMP	9/20/00	Original	0	3	0.20	NA	1130062.0	660084.6
OLEX-008 (0-3) COMP	9/21/00	Original	0	3	9.4	NA	1129887.2	660143.1
OLEX-009 (0-3) COMP	9/26/00	Original	0	3	1.8	NA	1130069.0	660077.5
OLEX-010 (0-3) COMP	9/26/00	Original	0	3	3.4	NA	1130143.1	659822.6
OLEX-011 (0-3) COMP	9/26/00	Original	0	3	6.6	NA	1130151.8	659831.5
OLEX-012 (0-3) COMP	9/27/00	Original	0	3	0.41	NA	1129950.7	660046.0
OLEX-013 (0-3) COMP	9/27/00	Original	0	3	1.7	NA	1129814.5	659976.4
OLEX-014 (0-3) COMP	9/27/00	Original	0	3	1.8	NA	1130027.9	659903.4
OLEX-015 (0-3) COMP	9/28/00	Original	0	3	0.45	NA	1129955.9	660051.3
OLEX-016 (0-3) COMP	9/28/00	Original	0	3	3.8	NA	1130077.0	659797.2
OLEX-017 (0-3) COMP	9/28/00	Original	0	3	0.69	NA	1129965.2	659753.5
OLEX-018 (0-3) COMP	9/29/00	Original	0	3	6.5	NA	1130141.8	659781.1
OLEX-019 (0-3) COMP	9/29/00	Original	0	3	2.8	NA	1130040.9	659682.6
OLEX-020 (0-3) COMP	9/29/00	Original	0	3	2.3	NA	1130074.0	659719.4
OLEX-021 (0-3) COMP	10/2/00	Original	0	3	3.7	NA	1130183.9	659692.0
OLEX-022 (0-3) COMP	10/2/00	Original	0	3	6.3	NA	1130148.3	659658.5
OLEX-023 (0-3) COMP	10/2/00	Original	0	3	0.40	NA	1130190.1	659622.0
OLEX-024 (0-3) COMP	10/3/00	Original	0	3	0.55	NA	1129946.0	660116.1
OLEX-024A (0-3) COMP	1/22/01	Original	0	3	3.9	NA	1130289.1	660170.1
OLEX-025 (0-3) COMP	10/3/00	Original	0	3	0.79	NA	1130021.0	659825.2
OLEX-025A (0-3) COMP	1/22/01	Original	0	3	1.6	NA	1130274.8	660252.2
OLEX-026 (0-3) COMP	1/22/01	Original	0	3	4.2	NA	1130238.2	660216.5
OLEX-027 (0-3) COMP	1/23/01	Original	0	3	7.7	NA	1130202.1	660176.5
OLEX-028 (0-3) COMP	1/23/01	Original	0	3	6.5	NA	1130126.5	660205.5
OLEX-029 (0-3) COMP	1/23/01	Original	0	3	2.0	NA	1130093.3	660168.2
OLEX-030 (0-3) COMP	1/24/01	Original	0	3	9.2	NA	1130052.3	660218.5
OLEX-031 (0-3) COMP	1/24/01	Original	0	3	20	NA	1130085.4	660278.9

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLEX-032 (0-3) COMP	1/24/01	Original	0	3	47	NA	1130009.3	660256.0
OLEX-033 (0-3) COMP	1/24/01	Original	0	3	4.0	NA	1129947.8	660225.9
OLEX-034 (0-3) COMP	1/24/01	Original	0	3	0.41	NA	1129948.9	660162.0
OLEX-035 (0-3) COMP	1/25/01	Original	0	3	9.3	NA	1130153.8	660073.7
OLEX-036 (0-3) COMP	1/25/01	Original	0	3	8.7	NA	1130092.6	660107.3
OLEX-037 (0-3) COMP	1/25/01	Original	0	3	2.7	NA	1129995.3	660176.1
OLEX-038 (0-3) COMP	1/26/01	Original	0	3	0.62	NA	1130119.6	660044.7
OLEX-039 (0-3) COMP	1/26/01	Original	0	3	0.86	NA	1130090.6	660033.2
OLEX-040 (0-3) COMP	1/26/01	Original	0	3	1.2	NA	1130037.8	660119.1
OLEX-041 (0-3) COMP	1/26/01	Original	0	3	7.9	NA	1129993.9	660070.1
OLEX-042 (0-3) COMP	1/26/01	Original	0	3	2.9	NA	1130185.3	660117.9
OLEX-043 (0-3) COMP	1/29/01	Original	0	3	7.3	NA	1129927.4	660059.3
OLEX-044 (0-3) COMP	1/29/01	Original	0	3	4.0	NA	1129877.5	660012.0
OLEX-044A (0-3) COMP	1/31/01	Original	0	3	5.1	NA	1129877.5	660012.0
OLEX-045 (0-3) COMP	2/9/01	Original	0	3	1.4	NA	1129942.3	659969.8
OLEX-046 (0-3) COMP	1/3/01	Original	0	3	3.3	NA	1129946.3	659890.7
OLEX-047 (0-3) COMP	2/1/01	Original	0	3	1.1	NA	1130052.1	659927.6
OLEX-048 (0-3) COMP	2/1/01	Original	0	3	7.5	NA	1129870.0	660078.0
OLEX-049 (0-3) COMP	2/1/01	Original	0	3	2.8	NA	1129842.6	659947.6
OLEX-050 (0-3) COMP	2/1/01	Original	0	3	12	NA	1129876.4	659896.4
OLEX-051 (0-3) COMP	2/1/01	Original	0	3	3.2	NA	1129865.2	659829.8
OLEX-052 (0-3) COMP	1/31/01	Original	0	3	8.9	NA	1130006.2	659979.6
OLEX-053 (0-3) COMP	2/2/01	Original	0	3	1.8	NA	1129919.0	659791.3
OLEX-054 (0-3) COMP	2/2/01	Original	0	3	7.7	> 10	1130223.0	660292.0
OLEX-055 (0-3) COMP	2/2/01	Original	0	3	5.6	< 10	1130162.7	660296.8
OLEX-056 (0-3) COMP	2/2/01	Original	0	3	8.4	NA	1129986.2	659855.2
OLEX-057 (0-3) COMP	2/2/01	Original	0	3	12	> 10	1130148.7	660240.8
OLEX-058 (0-3) COMP	2/2/01	Original	0	3	5.3	> 10	1130166.5	660227.3
OLEX-059 (0-3) COMP	2/3/01	Original	0	3	4.4	NA	1130175.9	660260.2
OLEX-060 (0-3) COMP	2/3/01	Original	0	3	7.3	NA	1130150.7	660294.5
OLEX-061 (0-3) COMP	2/8/01	Original	0	3	0.08 U	NA	1130342.0	659684.0
OLEX-062 (0-3) COMP	2/8/01	Original	0	3	1.6	NA	1130283.0	659737.4
OLEX-063 (0-3) COMP	2/8/01	Original	0	3	13	NA	1130212.2	659801.4

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLEX-064 (0-3) COMP	2/8/01	Original	0	3	7.0	NA	1130149.0	659857.2
OLEX-065 (0-3) COMP	2/9/01	Original	0	3	18	NA	1130101.6	659826.3
OLEX-066 (0-3) COMP	2/18/01	Original	0	3	10	NA	1130007.3	659805.5
OLEX-067 (0-3) COMP	2/19/01	Original	0	3	5.2	NA	1130272.8	659691.2
OLEX-068 (0-3) COMP	2/19/01	Original	0	3	6.3	NA	1130057.0	659767.3
OLEX-069 (0-3) COMP	2/19/01	Original	0	3	23	NA	1130254.4	659657.0
OLEX-070 (0-3) COMP	2/19/01	Original	0	3	6.3	NA	1130164.7	659769.5
OLEX-071 (0-3) COMP	2/20/01	Original	0	3	1.4	NA	1130208.5	659654.5
OLEX-072 (0-3) COMP	2/20/01	Original	0	3	7.9	NA	1130127.2	659727.8
OLEX-073 (0-3) COMP	2/20/01	Original	0	3	9.2	NA	1130171.3	659619.3
OLEX-074 (0-3) COMP	2/21/01	Original	0	3	13	NA	1129981.6	659734.4
OLEX-075 (0-3) COMP	2/21/01	Original	0	3	0.67	NA	1130120.8	659609.8
OLEX-076 (0-3) COMP	2/27/01	Original	0	3	5.8	> 10	1130182.8	659678.2
OLEX-077 (0-3) COMP	2/27/01	Original	0	3	7.6	> 10	1130160.8	659702.6
OLEX-078 (0-3) COMP	2/27/01	Original	0	3	4.9	< 10	1130154.4	659712.2
OLEX-079 (0-3) COMP	2/27/01	Original	0	3	16	> 10	1130134.8	659694.6
OLEX-080 (0-3) COMP	2/27/01	Original	0	3	17	> 10	1130123.9	659704.1
OLEX-081 (0-3) COMP	2/27/01	Original	0	3	25	> 50	1130135.7	659709.7
OLEX-082 (0-3) COMP	2/27/01	Original	0	3	13	> 10	1130135.1	659720.7
OLEX-083 (0-3) COMP	2/27/01	Original	0	3	6.2	> 10	1130143.7	659724.6
OLEX-084 (0-3) COMP	2/27/01	Original	0	3	2.3	< 10	1130140.6	659737.0
OLEX-085 (0-3) COMP	2/27/01	Original	0	3	14	> 10	1130127.0	659662.3
OLEX-086 (0-3) COMP	2/27/01	Original	0	3	5.0	< 10	1130125.8	659651.6
OLEX-087 (0-3) COMP	2/27/01	Original	0	3	5.2	> 10	1130115.8	659637.4
OLEX-088 (0-3) COMP	2/27/01	Original	0	3	1.9	> 1	1130106.6	659645.2
OLEX-089 (0-3) COMP	2/27/01	Original	0	3	4.2	NA	1130070.5	659679.9
OLEX-090 (0-3) COMP	3/1/01	Original	0	3	5.6	NA	1130050.6	659760.1
OLEX-091 (0-3) COMP	3/1/01	Original	0	3	9.2	NA	1130043.4	659772.0
OLEX-092 (0-3) COMP	3/1/01	Original	0	3	8.3	NA	1130055.7	659769.2
OLEX-093 (0-3) COMP	3/1/01	Original	0	3	31	NA	1130060.2	659715.8
OLEX-094 (0-3) COMP	3/1/01	Original	0	3	12	NA	1130050.1	659723.0
OLEX-095 (0-3) COMP	3/1/01	Original	0	3	19	NA	1130066.7	659701.6
OLEX-096 (0-3) COMP	3/1/01	Original	0	3	14	NA	1130059.6	659694.5

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLEX-097 (0-3) COMP	3/1/01	Original	0	3	0.68	NA	1130048.5	659790.5
OLEX-098 (0-3) COMP	3/1/01	Original	0	3	3.5	NA	1130038.7	659782.4
OLEX-099 (0-3) COMP	3/1/01	Original	0	3	19	NA	1130039.1	659734.4
OLEX-100 (0-3) COMP	3/1/01	Original	0	3	4.1	NA	1130039.3	659714.3
OLEX-101 (0-3) COMP	3/1/01	Original	0	3	11	NA	1130049.3	659706.8
OLEX-102 (0-3) COMP	3/1/01	Original	0	3	51	NA	1130039.2	659698.8
OLEX-103 (0-3) COMP	3/1/01	Original	0	3	9.8	NA	1130024.9	659655.1
OLEX-103A (0-3) COMP	3/6/01	Original	0	3	1.1	< 10	1130024.9	659655.1
OLEX-104 (0-3) COMP	3/7/01	Original	0	3	15	> 10	1130078.0	659601.7
OLEX-105 (0-3) COMP	3/7/01	Original	0	3	5.3	< 10	1130032.4	659603.9
OLEX-106 (0-3) COMP	3/7/01	Original	0	3	4.7	< 10	1129965.5	659653.9
OLGP-087 (40-46)	8/24/00	Original	40	46	0.87	> 1	1129992.3	659862.0
OLGP-088 (12-18)	8/24/00	Original	12	18	1.0	> 1	1129925.4	659790.2
OLGP-088 (24-30)	8/24/00	Original	24	30	1.9	> 1	1129925.4	659790.2
OLGP-088 (30-36)	8/24/00	Original	30	36	1.8	> 1	1129925.4	659790.2
OLGP-089 (12-18)	8/24/00	Original	12	18	1.2	> 1	1129858.1	659801.9
OLGP-089 (24-30)	8/24/00	Original	24	30	1.1	> 1	1129858.1	659801.9
OLGP-089 (32-38)	8/24/00	Original	32	38	0.09 U	> 1	1129858.1	659801.9
OLGP-090 (12-18)	8/24/00	Original	12	18	0.54	> 1	1129921.3	659868.1
OLGP-090 (24-30)	8/24/00	Original	24	30	0.69	> 1	1129921.3	659868.1
OLGP-090 (36-42)	8/24/00	Original	36	42	NA	< 1	1129921.3	659868.1
OLGP-091 (24-30)	8/24/00	Original	24	30	0.54	> 1	1129991.0	659938.9
OLGP-091 (42-48)	8/24/00	Original	42	48	3.8	> 50	1129991.0	659938.9
OLGP-093 (12-18)	8/24/00	Original	12	18	1.2	> 1	1129915.0	659934.6
OLGP-093 (24-30)	8/24/00	Original	24	30	0.49	> 1	1129915.0	659934.6
OLGP-094 (39-45)	8/24/00	Original	39	45	6.4	> 50	1129849.0	659865.0
OLGP-095 (12-18)	8/24/00	Original	12	18	2.2	> 1	1129843.6	659934.9
OLGP-095 (24-30)	8/24/00	Original	24	30	1.6	> 1	1129843.6	659934.9
OLGP-095 (36-40)	8/24/00	Original	36	40	2.8	> 1	1129843.6	659934.9
OLGP-097 (24-30)	8/24/00	Original	24	30	2.0	> 1	1129913.0	660077.8
OLGP-097 (39-45)	8/24/00	Original	39	45	NA	< 1	1129913.0	660077.8
OLGP-098 (24-30)	8/24/00	Original	24	30	0.72	> 1	1129839.4	660004.0
OLGP-098 (42-48)	8/24/00	Original	42	48	1.8	> 1	1129839.4	660004.0

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-100 (12-18)	8/24/00	Original	12	18	0.21	> 1	1130003.0	659791.9
OLGP-100 (12-18) DUP	8/24/00	Field duplicate	12	18	NA	< 1	1130003.0	659791.9
OLGP-100 (24-30)	8/24/00	Original	24	30	NA	< 1	1130003.0	659791.9
OLGP-100 (42-48)	8/24/00	Original	42	48	0.09 U	> 1	1130003.0	659791.9
OLGP-101 (12-18)	8/24/00	Original	12	18	0.07 U	NA	1129937.8	659719.7
OLGP-101 (12-18) DUP	8/24/00	Field duplicate	12	18	0.62	> 1	1129937.8	659719.7
OLGP-101 (24-30)	8/24/00	Original	24	30	0.35	> 1	1129937.8	659719.7
OLGP-101 (38-44)	8/24/00	Original	38	44	NA	< 1	1129937.8	659719.7
OLGP-102 (12-18)	8/24/00	Original	12	18	17	> 50	1129939.9	659647.4
OLGP-102 (24-30)	8/24/00	Original	24	30	0.27	> 1	1129939.9	659647.4
OLGP-102 (42-48)	8/24/00	Original	42	48	NA	< 1	1129939.9	659647.4
OLGP-103 (12-18)	8/24/00	Original	12	18	10	> 50	1130008.4	659724.6
OLGP-103 (24-30)	8/24/00	Original	24	30	0.71	> 1	1130008.4	659724.6
OLGP-103 (42-48)	8/24/00	Original	42	48	0.27	> 1	1130008.4	659724.6
OLGP-104 (24-30)	8/24/00	Original	24	30	0.61	> 1	1130073.4	659793.8
OLGP-104 (24-30) DUP	8/24/00	Field duplicate	24	30	0.57	> 50	1130073.4	659793.8
OLGP-104 (36-42)	8/24/00	Original	36	42	1.1	> 1	1130073.4	659793.8
OLGP-105 (24-30)	8/24/00	Original	24	30	0.67	> 1	1130141.8	659867.1
OLGP-105 (40-46)	8/24/00	Original	40	46	NA	< 1	1130141.8	659867.1
OLGP-106 (24-30)	8/24/00	Original	24	30	0.13	> 1	1130141.9	659781.1
OLGP-106 (36-42)	8/24/00	Original	36	42	NA	< 1	1130141.9	659781.1
OLGP-107 (24-30)	8/24/00	Original	24	30	0.56	> 1	1130074.0	659719.5
OLGP-107 (37-43)	8/24/00	Original	37	43	0.19	> 1	1130074.0	659719.5
OLGP-108 (12-18)	8/24/00	Original	12	18	0.57	> 1	1130003.1	659647.5
OLGP-108 (12-18) DUP	8/24/00	Field duplicate	12	18	0.69	> 1	1130003.1	659647.5
OLGP-108 (24-30)	8/24/00	Original	24	30	13	> 50	1130003.1	659647.5
OLGP-108 (40-46)	8/24/00	Original	40	46	NA	< 1	1130003.1	659647.5
OLGP-110 (38-44)	8/24/00	Original	38	44	5.2	> 50	1130148.8	659725.0
OLGP-112 (24-30)	8/25/00	Original	24	30	0.08 U	> 50	1130222.4	659727.4
OLGP-112 (41-47)	8/24/00	Original	41	47	NA	< 1	1130222.4	659727.4
OLGP-113 (12-18)	8/25/00	Original	12	18	2.5	> 1	1130148.4	659658.5
OLGP-113 (24-30)	8/25/00	Original	24	30	1.6	> 1	1130148.4	659658.5
OLGP-113 (24-30) DUP	8/25/00	Field duplicate	24	30	2.1	> 1	1130148.4	659658.5

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-113 (42-48)	8/25/00	Original	42	48	0.08 U	> 1	1130148.4	659658.5
OLGP-114 (12-18)	8/25/00	Original	12	18	1.2	> 1	1130075.3	659579.0
OLGP-114 (24-30)	8/25/00	Original	24	30	1.0	> 1	1130075.3	659579.0
OLGP-114 (39-45)	8/25/00	Original	39	45	NA	< 1	1130075.3	659579.0
OLGP-115 (12-18)	8/25/00	Original	12	18	24	> 50	1130150.9	659581.1
OLGP-115 (24-30)	8/25/00	Original	24	30	0.42	> 1	1130150.9	659581.1
OLGP-115 (36-42)	8/25/00	Original	36	42	NA	< 1	1130150.9	659581.1
OLGP-116 (38-44)	8/25/00	Original	38	44	7.9	> 50	1130224.1	659657.7
OLGP-117 (38-44)	8/25/00	Original	38	44	21	n/a	1130294.2	659730.9
OLGP-117 (38-44)	8/25/00	Original	38	44	NA	> 50	1130294.2	659730.9
OLGP-118 (37-43)	8/25/00	Original	37	43	6.1	> 50	1130296.9	659663.6
OLGP-119 (12-18)	8/25/00	Original	12	18	17	> 50	1130218.2	659589.1
OLGP-119 (12-18) DUP	8/25/00	Field duplicate	12	18	19	> 50	1130218.2	659589.1
OLGP-119 (24-30)	8/25/00	Original	24	30	NA	< 1	1130218.2	659589.1
OLGP-119 (30-36)	8/25/00	Original	30	36	NA	< 1	1130218.2	659589.1
OLGP-120 (24-30)	8/25/00	Original	24	30	0.44	> 1	1130359.1	659671.2
OLGP-120 (39-45)	8/25/00	Original	39	45	0.08 U	> 1	1130359.1	659671.2
OLGP-122 (24-30)	8/25/00	Original	24	30	2.1	> 1	1130132.7	660016.5
OLGP-122 (38-44)	8/25/00	Original	38	44	2.0	> 1	1130132.7	660016.5
OLGP-123 (12-18)	8/25/00	Original	12	18	1.5	> 1	1130201.5	660091.1
OLGP-123 (12-18) DUP	8/25/00	Field duplicate	12	18	2.3	> 1	1130201.5	660091.1
OLGP-123 (24-30)	8/25/00	Original	24	30	0.63	> 1	1130201.5	660091.1
OLGP-123 (42-48)	8/25/00	Original	42	48	9.0	> 50	1130201.5	660091.1
OLGP-127 (12-18)	8/25/00	Original	12	18	2.1	> 1	1130198.3	660156.5
OLGP-127 (24-30)	9/7/00	Original	24	30	1.5	> 1	1130198.3	660156.5
OLGP-127 (30-36)	9/7/00	Original	30	36	0.45	> 1	1130198.3	660156.5
OLGP-128 (12-18)	8/25/00	Original	12	18	11	> 50	1130121.7	660108.4
OLGP-128 (24-30)	8/25/00	Original	24	30	8.1	> 50	1130121.7	660108.4
OLGP-128 (24-30) DUP	8/25/00	Field duplicate	24	30	7.1	> 50	1130121.7	660108.4
OLGP-128 (40-46)	8/25/00	Original	40	46	NA	< 1	1130121.7	660108.4
OLGP-130 (12-18)	8/25/00	Original	12	18	5.5	> 1	1130125.5	660159.8
OLGP-130 (24-30)	8/25/00	Original	24	30	0.36	> 1	1130125.5	660159.8
OLGP-130 (33-39)	8/25/00	Original	33	39	0.54	> 1	1130125.5	660159.8

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-131 (24-30)	8/25/00	Original	24	30	0.46	> 1	1130194.9	660233.3
OLGP-131 (42-48)	8/25/00	Original	42	48	NA	< 1	1130194.9	660233.3
OLGP-132 (41-47)	8/25/00	Original	41	47	0.76	> 1	1130193.3	660295.0
OLGP-133 (12-18)	8/25/00	Original	12	18	16	> 50	1130123.3	660229.0
OLGP-133 (24-30)	8/25/00	Original	24	30	0.56	> 1	1130123.3	660229.0
OLGP-133 (34-40)	8/25/00	Original	34	40	NA	< 1	1130123.3	660229.0
OLGP-133 (34-40) DUP	8/25/00	Field duplicate	34	40	NA	< 1	1130123.3	660229.0
OLGP-135 (12-18)	8/25/00	Original	12	18	0.24	> 1	1129979.6	660153.8
OLGP-135 (24-30)	8/25/00	Original	24	30	3.2	> 1	1129979.6	660153.8
OLGP-135 (40-46)	8/25/00	Original	40	46	1.9	> 50	1129979.6	660153.8
OLGP-136 (12-18)	8/25/00	Original	12	18	6.0	> 50	1130049.3	660226.1
OLGP-136 (24-30)	8/25/00	Original	24	30	NA	< 1	1130049.3	660226.1
OLGP-136 (31-37)	8/25/00	Original	31	37	0.12	> 1	1130049.3	660226.1
OLGP-137 (24-30)	8/25/00	Original	24	30	0.48	> 1	1130118.4	660298.5
OLGP-138 (12-18)	8/25/00	Original	12	18	0.76	> 1	1130045.8	660297.3
OLGP-138 (24-30)	8/25/00	Original	24	30	0.32	> 1	1130045.8	660297.3
OLGP-138 (36-42)	8/25/00	Original	36	42	NA	< 1	1130045.8	660297.3
OLGP-139 (12-18)	8/25/00	Original	12	18	0.33	> 1	1129976.5	660222.1
OLGP-139 (24-30)	8/25/00	Original	24	30	0.32	> 1	1129976.5	660222.1
OLGP-139 (24-30) DUP	8/25/00	Field duplicate	24	30	0.22	> 1	1129976.5	660222.1
OLGP-139 (41-47)	8/25/00	Original	41	47	NA	< 1	1129976.5	660222.1
OLGP-142 (24-30)	8/25/00	Original	24	30	1.4	> 1	1129978.8	660089.9
OLHA-007 (12-18)	6/29/00	Original	12	18	0.04	< 1	1130073.2	659682.4
OLHA-017 (12-14)	6/29/00	Original	12	14	13	> 1	1130153.6	660293.9
OLHA-018 (12-18)	6/30/00	Original	12	18	31	> 50	1129994.5	660279.0
OLHA-107 (0-12)	9/15/00	Original	0	12	2.6	< 10	1130070.5	659790.0
OLHA-111 (0-12)	9/15/00	Original	0	12	6.8	> 50	1130144.7	659654.6
OLHA-113 (0-12)	9/15/00	Original	0	12	13	> 10	1130180.8	659688.9
OLHA-115 (0-12)	9/15/00	Original	0	12	1.2	> 10	1130186.3	659618.0
OLHA-123 (0-12)	9/15/00	Original	0	12	17	> 50	1130190.0	660291.2
OLHA-127 (0-12)	9/15/00	Original	0	12	1.6	> 10	1130055.5	660080.9
OLHA-135 (0-12)	9/15/00	Original	0	12	0.74	< 10	1129946.9	660041.3
OLHA-139 (0-12)	9/15/00	Original	0	12	0.29	< 10	1130017.6	659820.8

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLHA-139 (0-12) DUP	9/15/00	Field duplicate	0	12	0.25	< 10	1130017.6	659820.8
OLHA-141 (0-12)	9/18/00	Original	0	12	5.0	> 10	1129961.8	659749.4
OLHA-145 (0-12)	9/15/00	Original	0	12	4.5	> 10	1130037.1	659678.8
OLHA-147 (0-12)	9/15/00	Original	0	12	3.9	> 50	1130071.3	659716.2
OLHA-173 (0-12)	9/21/00	Original	0	12	15	NA	1129886.2	660153.7
OLHA-174 (0-12)	9/21/00	Original	0	12	5.2	NA	1129885.3	660137.4
OLHA-268 (0-12)	9/27/00	Original	0	12	0.22	NA	1130063.4	659782.7
OLHA-369 (0-12)	1/24/01	Original	0	12	17	> 10	1130237.8	660275.9
OLHA-370 (0-12)	1/24/01	Original	0	12	2.6	< 10	1130215.0	660253.2
OLHA-371 (0-12)	1/25/01	Original	0	12	19	> 10	1130177.8	660214.0
OLHA-372 (0-12)	1/24/01	Original	0	12	5.5	> 10	1130142.2	660209.4
OLHA-372 (0-12) DUP	1/24/01	Field duplicate	0	12	6.4	> 10	1130142.2	660209.4
OLHA-373 (0-12)	1/24/01	Original	0	12	8.6	> 50	1130132.0	660246.3
OLHA-374 (0-12)	1/24/01	Original	0	12	37	> 50	1130127.5	660277.9
OLHA-378 (0-12)	1/26/01	Original	0	12	17	> 10	1130106.0	660246.0
OLHA-379 (0-12)	1/26/01	Original	0	12	0.5	< 10	1130102.1	660276.9
OLGP-054 (24-30)	8/10/00	Original	24	30	0.08 U	NA	1129915.9	659486.5
OLGP-054 (42-48)	8/10/00	Original	42	48	0.53	NA	1129915.9	659486.5
OLGP-070 (0-6)	8/11/00	Original	0	6	0.08 U	NA	1129916.8	659284.7
OLGP-070 (12-18)	8/11/00	Original	12	18	0.08 U	NA	1129916.8	659284.7
OLGP-070 (24-30)	8/11/00	Original	24	30	0.08 U	NA	1129916.8	659284.7
OLGP-070 (42-48)	8/11/00	Original	42	48	0.78	NA	1129916.8	659284.7
OLGP-071 (0-6)	8/11/00	Original	0	6	0.08 U	NA	1129918.5	659387.2
OLGP-071 (12-18)	8/11/00	Original	12	18	0.23	NA	1129918.5	659387.2
OLGP-071 (24-30)	8/11/00	Original	24	30	0.08 U	NA	1129918.5	659387.2
OLGP-071 (42-48)	8/11/00	Original	42	48	0.61	NA	1129918.5	659387.2
OLHA-006 (0-6)	6/23/00	Original	0	6	21	> 50	1129964.4	659207.6
OLHA-006 (12-18)	6/29/00	Original	12	18	1.3	> 1	1129964.4	659207.6
OLHA-011 (0-6)	6/29/00	Original	0	6	8.4	> 1	1130064.8	659201.6
OLGP-052 (12-18)	8/10/00	Original	12	18	10	> 1	1130115.5	659502.4
OLGP-052 (12-18) DUP	8/10/00	Field duplicate	12	18	11	> 1	1130115.5	659502.4
OLGP-052 (24-30)	8/10/00	Original	24	30	10	NA	1130115.5	659502.4
OLGP-052 (42-48)	8/10/00	Original	42	48	0.08 U	NA	1130115.5	659502.4

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-053 (0-6)	8/10/00	Original	0	6	NA	< 1	1130014.7	659495.0
OLGP-053 (12-18)	8/10/00	Original	12	18	NA	< 1	1130014.7	659495.0
OLGP-053 (24-30)	8/10/00	Original	24	30	0.10	NA	1130014.7	659495.0
OLGP-053 (32-38)	8/10/00	Original	32	38	2.3	NA	1130014.7	659495.0
OLGP-054 (0-6)	8/10/00	Original	0	6	NA	< 1	1129915.9	659486.5
OLGP-054 (12-18)	8/10/00	Original	12	18	NA	< 1	1129915.9	659486.5
OLGP-072 (0-6)	8/11/00	Original	0	6	0.66	NA	1130016.3	659395.4
OLGP-072 (12-18)	8/11/00	Original	12	18	0.04	NA	1130016.3	659395.4
OLGP-072 (24-30)	8/11/00	Original	24	30	0.75	NA	1130016.3	659395.4
OLGP-072 (42-48)	8/11/00	Original	42	48	0.30	NA	1130016.3	659395.4
OLGP-073 (0-6)	8/11/00	Original	0	6	0.08 U	NA	1130014.3	659292.9
OLGP-073 (12-18)	8/11/00	Original	12	18	0.08 U	NA	1130014.3	659292.9
OLGP-073 (24-30)	8/11/00	Original	24	30	0.08 U	NA	1130014.3	659292.9
OLGP-073 (42-48)	8/11/00	Original	42	48	0.08 U	NA	1130014.3	659292.9
OLGP-081 (0-6)	8/11/00	Original	0	6	0.21	NA	1130116.6	659296.4
OLGP-081 (12-18)	8/11/00	Original	12	18	0.13	NA	1130116.6	659296.4
OLGP-081 (24-30)	8/11/00	Original	24	30	1.0	NA	1130116.6	659296.4
OLGP-081 (42-48)	8/11/00	Original	42	48	0.17	NA	1130116.6	659296.4
OLGP-082 (0-6)	8/11/00	Original	0	6	0.83	NA	1130115.4	659399.9
OLGP-082 (12-18)	8/11/00	Original	12	18	0.08 U	NA	1130115.4	659399.9
OLGP-082 (24-30)	8/11/00	Original	24	30	1.2	NA	1130115.4	659399.9
OLGP-082 (42-48)	8/11/00	Original	42	48	0.08 U	NA	1130115.4	659399.9
OLGP-085 (0-6)	8/11/00	Original	0	6	1.2	NA	1130314.7	659411.8
OLGP-085 (12-18)	8/11/00	Original	12	18	17	NA	1130314.7	659411.8
OLGP-085 (24-30)	8/11/00	Original	24	30	1.4	NA	1130314.7	659411.8
OLGP-085 (42-48)	8/11/00	Original	42	48	0.08 U	NA	1130314.7	659411.8
OLGP-059 (0-6)	8/10/00	Original	0	6	11	> 50	1129814.7	659072.6
OLGP-059 (12-18)	8/10/00	Original	12	18	23	> 50	1129814.7	659072.6
OLGP-059 (24-30)	8/10/00	Original	24	30	0.08 U	NA	1129814.7	659072.6
OLGP-059 (42-48)	8/10/00	Original	42	48	0.04	NA	1129814.7	659072.6
OLGP-060 (0-6)	8/10/00	Original	0	6	8.8	> 50	1129819.4	658972.6
OLGP-060 (12-18)	8/10/00	Original	12	18	6.9	> 50	1129819.4	658972.6
OLGP-060 (24-30)	8/10/00	Original	24	30	17	NA	1129819.4	658972.6

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-060 (42-48)	8/10/00	Original	42	48	2.0 U	NA	1129819.4	658972.6
OLGP-067 (0-6)	8/11/00	Original	0	6	23	NA	1129916.9	658983.9
OLGP-067 (12-18)	8/11/00	Original	12	18	160	NA	1129916.9	658983.9
OLGP-067 (24-30)	8/11/00	Original	24	30	0.82	NA	1129916.9	658983.9
OLGP-067 (42-48)	8/11/00	Original	42	48	1.4	NA	1129916.9	658983.9
OLGP-068 (0-6)	8/11/00	Original	0	6	65	NA	1129914.2	659086.1
OLGP-068 (0-6) DUP	8/11/00	Field duplicate	0	6	89	NA	1129914.2	659086.1
OLGP-068 (12-18)	8/11/00	Original	12	18	0.72	NA	1129914.2	659086.1
OLGP-068 (24-30)	8/11/00	Original	24	30	0.11	NA	1129914.2	659086.1
OLGP-068 (42-48)	8/11/00	Original	42	48	0.52	NA	1129914.2	659086.1
OLGP-075 (0-6)	8/11/00	Original	0	6	6.9	NA	1130017.4	659098.8
OLGP-075 (0-6) DUP	8/11/00	Field duplicate	0	6	2.4	NA	1130017.4	659098.8
OLGP-075 (12-18)	8/11/00	Original	12	18	2.6	NA	1130017.4	659098.8
OLGP-075 (24-30)	8/11/00	Original	24	30	55	NA	1130017.4	659098.8
OLGP-075 (42-48)	8/11/00	Original	42	48	0.26	NA	1130017.4	659098.8
OLGP-076 (0-6)	8/11/00	Original	0	6	9.1	NA	1130019.8	658994.5
OLGP-076 (12-18)	8/11/00	Original	12	18	33	NA	1130019.8	658994.5
OLGP-076 (24-30)	8/11/00	Original	24	30	23	NA	1130019.8	658994.5
OLGP-076 (42-48)	8/11/00	Original	42	48	0.21	NA	1130019.8	658994.5
OLHA-005 (0-6)	6/23/00	Original	0	6	30	> 50	1129928.8	658973.5
OLHA-005 (12-18)	6/29/00	Original	12	18	15	> 50	1129928.8	658973.5
OLHA-008 (0-6)	6/29/00	Original	0	6	8.8	> 1	1129806.7	658972.5
OLHA-008 (12-18)	6/30/00	Original	12	18	8.8	> 50	1129806.7	658972.5
OLHA-009 (0-6)	6/29/00	Original	0	6	19	> 50	1130042.8	658967.2
OLHA-009 (12-18)	6/30/00	Original	12	18	25	> 50	1130042.8	658967.2
OLGP-004 (0-6)	8/8/00	Original	0	6	1.0	> 1	1130492.9	659429.4
OLGP-004 (12-18)	8/8/00	Original	12	18	NA	< 1	1130492.9	659429.4
OLGP-004 (30-36)	8/8/00	Original	30	36	2.7	> 1	1130492.9	659429.4
OLGP-004 (42-48)	8/8/00	Original	42	48	NA	< 1	1130492.9	659429.4
OLGP-005 (0-6)	8/8/00	Original	0	6	12	> 1	1130496.4	659329.4
OLGP-005 (12-18)	8/8/00	Original	12	18	14	> 50	1130496.4	659329.4
OLGP-005 (30-36)	8/8/00	Original	30	36	0.39	> 1	1130496.4	659329.4
OLGP-005 (42-48)	8/8/00	Original	42	48	NA	< 1	1130496.4	659329.4

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-006 (0-6)	8/8/00	Original	0	6	15	> 50	1130502.0	659230.4
OLGP-006 (12-18)	8/8/00	Original	12	18	0.35	> 1	1130502.0	659230.4
OLGP-006 (30-36)	8/8/00	Original	30	36	NA	< 1	1130502.0	659230.4
OLGP-006 (42-48)	8/8/00	Original	42	48	0.24 U	> 1	1130502.0	659230.4
OLGP-007 (0-6)	8/8/00	Original	0	6	11	> 50	1130510.4	659130.6
OLGP-007 (12-18)	8/8/00	Original	12	18	15	> 50	1130510.4	659130.6
OLGP-007 (30-36)	8/8/00	Original	30	36	1.0	> 1	1130510.4	659130.6
OLGP-007 (42-48)	8/8/00	Original	42	48	0.92	> 1	1130510.4	659130.6
OLGP-008 (0-6)	8/8/00	Original	0	6	7.7	> 50	1130512.3	659031.2
OLGP-008 (12-18)	8/8/00	Original	12	18	14.7	> 50	1130512.3	659031.2
OLGP-008 (30-36)	8/8/00	Original	30	36	NA	< 1	1130512.3	659031.2
OLGP-008 (42-48)	8/8/00	Original	42	48	0.16	> 1	1130512.3	659031.2
OLGP-012 (0-6)	8/9/00	Original	0	6	9.7	> 50	1130412.3	659022.6
OLGP-012 (12-18)	8/9/00	Original	12	18	88	> 50	1130412.3	659022.6
OLGP-012 (24-30)	8/9/00	Original	24	30	1.0	> 1	1130412.3	659022.6
OLGP-012 (42-48)	8/9/00	Original	42	48	1.9	> 1	1130412.3	659022.6
OLGP-013 (0-6)	8/9/00	Original	0	6	21	> 50	1130409.0	659123.1
OLGP-013 (12-18)	8/9/00	Original	12	18	19	> 50	1130409.0	659123.1
OLGP-013 (24-30)	8/9/00	Original	24	30	0.92	> 1	1130409.0	659123.1
OLGP-013 (42-48)	8/9/00	Original	42	48	NA	< 1	1130409.0	659123.1
OLGP-014 (0-6)	8/9/00	Original	0	6	1.3	> 1	1130404.8	659223.4
OLGP-014 (12-18)	8/9/00	Original	12	18	48	> 50	1130404.8	659223.4
OLGP-014 (24-30)	8/9/00	Original	24	30	NA	< 1	1130404.8	659223.4
OLGP-014 (42-48)	8/9/00	Original	42	48	NA	< 1	1130404.8	659223.4
OLGP-015 (0-6)	8/9/00	Original	0	6	6.8	> 50	1130398.6	659326.6
OLGP-015 (12-18)	8/9/00	Original	12	18	6.1	> 50	1130398.6	659326.6
OLGP-015 (12-18) DUP	8/9/00	Field duplicate	12	18	11	> 1	1130398.6	659326.6
OLGP-015 (24-30)	8/9/00	Original	24	30	59	> 50	1130398.6	659326.6
OLGP-015 (42-48)	8/9/00	Original	42	48	NA	< 1	1130398.6	659326.6
OLGP-016 (0-6)	8/9/00	Original	0	6	5.8	> 1	1130357.5	659325.6
OLGP-016 (12-18)	8/9/00	Original	12	18	1.8	> 1	1130357.5	659325.6
OLGP-016 (24-30)	8/9/00	Original	24	30	7.1	> 1	1130357.5	659325.6
OLGP-016 (42-48)	8/9/00	Original	42	48	7.1	> 1	1130357.5	659325.6

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-017 (0-6)	8/9/00	Original	0	6	9.8	> 1	1130305.5	659219.9
OLGP-017 (12-18)	8/9/00	Original	12	18	93	> 50	1130305.5	659219.9
OLGP-017 (24-30)	8/9/00	Original	24	30	39	> 50	1130305.5	659219.9
OLGP-017 (42-48)	8/9/00	Original	42	48	1.9	> 1	1130305.5	659219.9
OLGP-018 (0-6)	8/9/00	Original	0	6	61	> 50	1130308.2	659117.9
OLGP-018 (12-18)	8/9/00	Original	12	18	1.3	> 1	1130308.2	659117.9
OLGP-018 (24-30)	8/9/00	Original	24	30	NA	< 1	1130308.2	659117.9
OLGP-018 (42-48)	8/9/00	Original	42	48	NA	< 1	1130308.2	659117.9
OLGP-019 (0-6)	8/9/00	Original	0	6	13	> 50	1130310.2	659016.9
OLGP-019 (12-18)	8/9/00	Original	12	18	61	> 50	1130310.2	659016.9
OLGP-019 (24-30)	8/9/00	Original	24	30	0.89	< 1	1130310.2	659016.9
OLGP-019 (42-48)	8/9/00	Original	42	48	NA	< 1	1130310.2	659016.9
OLGP-025 (0-6)	8/9/00	Original	0	6	22	> 50	1130249.1	659216.8
OLGP-025 (0-6) DUP	8/9/00	Field duplicate	0	6	31	> 50	1130249.1	659216.8
OLGP-025 (12-18)	8/9/00	Original	12	18	35	> 50	1130249.1	659216.8
OLGP-025 (24-32)	8/9/00	Original	24	32	200	> 50	1130249.1	659216.8

Table 3-3. OU-4 Oxford Lake Park Interim Measure PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
OLGP-025 (42-48)	8/9/00	Original	42	48	5.5	> 1	1130249.1	659216.8
OLGP-052 (0-6)	8/10/00	Original	0	6	NA	< 1	1130115.5	659502.4

1. The PCB data represent conditions below the interim measure covers. Depths listed are prior to installation of covers.
2. Total PCB Screening (immunoassay) concentrations were determined by USEPA Method 4020 (Immunoassay Field Screening Test Methods).
3. U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

>: greater than
<: less than
mg/kg: milligram(s) per kilogram
NA: not applicable
OU: operable unit
PCB: polychlorinated biphenyl
ppm: parts per million
USEPA: United States Environmental Protection Agency

Table 3-4. OU-4 Dredge Spoil Area PCB and Mercury in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches)	Depth Maximum (inches)	Total PCB (mg/kg)	Mercury (mg/kg)	Northing	Easting
CC-23-1	6/16/1999	Original	10	12	4.3	NA	1121837.6	650233.4
CC-23-2	6/16/1999	Original	12	12	6.4	NA	1121868.6	650203.2
CC-23-3	6/16/1999	Original	6	24	2.0	NA	1121894.1	650231.0
CC-23-4	6/16/1999	Original	8	18	3.9	NA	1121857.4	650258.4
CC-23-5	6/16/1999	Original	16	24	10.8	0.65	1121810.1	650260.8
CC-23-6	6/16/1999	Original	12	12	6.8	NA	1121836.1	650281.4
CC-24-1	6/14/1999	Original	8	12	2.1	NA	1121837.1	651533.3
CC-24-10	6/15/1999	Original	6	12	4.7	2.0	1121941.9	651513.3
CC-24-11	6/15/1999	Original	8	12	2.3	NA	1121945.5	651542.0
CC-24-2	6/14/1999	Original	6	8	3.7	NA	1121835.2	651511.0
CC-24-20	6/14/1999	Field duplicate	6	8	6.3	NA	1121835.2	651511.0
CC-24-3	6/14/1999	Original	8	18	7.8	NA	1121873.9	651483.0
CC-24-4	6/14/1999	Original	6	8	4.9	NA	1121873.4	651514.6
CC-24-5	6/14/1999	Original	8	24	1.2	NA	1121871.4	651549.7
CC-24-6	6/14/1999	Original	6	6	1.7	NA	1121904.1	651546.3
CC-24-7	6/14/1999	Original	4	10	3.6	NA	1121906.4	651511.4
CC-24-8	6/15/1999	Original	6	24	8.9	NA	1121905.7	651486.3
CC-24-9	6/15/1999	Original	8	8	4.4	NA	1121932.7	651486.9
CC-26-1	6/15/1999	Original	12	16	3.9	2.6	1122863.3	653368.7
CC-26-2	6/15/1999	Original	6	30	1.6	NA	1122870.1	653404.2
CC-29-1	6/15/1999	Original	8	24	2.0	NA	1125501.0	657175.7
CC-29-2	6/15/1999	Original	12	24	4.6	NA	1125463.1	657144.1
CC-29-3	6/15/1999	Original	12	30	2.5	3.6	1125418.2	657107.7
CC-29-4	6/15/1999	Original	6	6	3.3	NA	1125381.8	657083.0
CC-7-1	6/15/1999	Original	10	12	2.4	NA	1119541.6	635208.8
CC-7-2	6/15/1999	Original	6	20	1.4	1.0	1119616.9	635216.7
CC-9-1	6/15/1999	Original	6	22	0.40	3.9	1119610.7	636274.5
CC-9-2	6/15/1999	Original	10	10	0.30	NA	1119645.3	636274.9
CC-9-20	6/15/1999	Field duplicate	10	10	0.41	NA	1119645.3	636274.9

mg/kg: milligram(s) per kilogram
NA: not available
OU: operable unit
PCB: polychlorinated biphenyl

Table 3-5. OU-4 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
PC1-25	05/09/01	Original	0	24	2.1	>1	1129160.8	658173.1
PC1-25	05/09/01	Original	24	48	NA	>50	1129160.8	658173.1
PC1-25	05/09/01	Original	48	72	NA	>50	1129160.8	658173.1
PC1-25	05/09/01	Original	72	96	43	>50	1129160.8	658173.1
PC1-25	05/16/01	Original	96	120	0.25	<1	1129160.8	658173.1
PC3-16	05/15/01	Original	0	24	2.2	NA	1129352.1	657810.4
PC3-16	05/15/01	Field duplicate	0	24	4.0	NA	1129352.1	657810.4
PC3-16	05/15/01	Original	24	48	NA	<1	1129352.1	657810.4
PC3-17	05/15/01	Original	0	24	0.39	NA	1129307.6	657809.9
PC3-17	05/15/01	Original	24	48	NA	<1	1129307.6	657809.9
PC3-18	05/15/01	Original	0	24	0.11	NA	1129160.7	658326.4
PC3-18	05/15/01	Original	24	48	NA	<1	1129160.7	658326.4
PC3-19	05/15/01	Original	0	24	BDL	NA	1129160.8	658379.3
PC3-19	05/15/01	Original	24	48	3.3	>1	1129160.8	658379.3
PC3-20	05/15/01	Original	0	24	0.64	NA	1129162.5	658432.3
PC3-20	05/15/01	Original	24	48	NA	<1	1129162.5	658432.3
PC3-21	05/15/01	Original	0	24	4.1	NA	1129161.3	658489.3
PC3-21	05/15/01	Original	24	48	0.8	>1	1129161.3	658489.3
GP-13	03/30/06	Original	0	24	NA	<1	1128880.3	658126.7
GP-14	03/30/06	Original	0	24	NA	<1	1128921.8	658111.8
WWTP-EX-6	02/05/02	Original	0	3	0.40	<1	1129241.1	657431.4
WWTP-EX-7	02/11/02	Original	0	3	NA	<1	1129204.2	657448.4
WWTP-EX-8	02/11/02	Original	0	3	NA	<1	1129214.8	657448.1
WWTP-EX-9	02/11/02	Original	0	3	NA	<1	1129225.5	657447.8
WWTP-EX-10	02/11/02	Original	0	3	NA	<1	1129236.2	657447.5
WWTP-EX-11	02/11/02	Original	0	3	NA	<1	1129246.9	657447.2
WWTP-EX-13	02/12/02	Original	0	3	NA	<1	1129268.3	657446.6
WWTP-EX-14	02/12/02	Original	0	3	NA	<1	1129279.0	657446.3
WWTP-EX-15	02/12/02	Original	0	3	BDL	>1	1129289.7	657446.1

Table 3-5. OU-4 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
WWTP-EX-16	02/12/02	Original	0	3	NA	<1	1129262.5	657430.8
WWTP-EX-17	02/12/02	Original	0	3	NA	<1	1129283.9	657430.2
WWTP-EX-18	02/12/02	Original	0	3	NA	<1	1129297.5	657440.5
WWTP-EX-19	02/13/02	Original	0	3	NA	<1	1129268.7	657462.7
WWTP-EX-20	02/13/02	Original	0	3	NA	<1	1129279.6	657470.4
WWTP-EX-21	02/13/02	Original	0	3	NA	<1	1129269.2	657478.7
WWTP-EX-22	02/13/02	Original	0	3	NA	<1	1129269.5	657489.4
WWTP-EX-23	02/13/02	Original	0	3	NA	<1	1129281.7	657497.3
WWTP-EX-24	02/13/02	Original	0	3	NA	<1	1129290.8	657488.8
WWTP-EX-25	02/13/02	Original	0	3	BDL	<1	1129290.6	657478.1
WWTP-EX-26	02/13/02	Original	0	3	NA	<1	1129290.1	657462.1
WWTP-EX-27	02/14/02	Original	0	3	BDL	<1	1129257.6	657446.9
WWTP-EX-28	02/14/02	Original	0	3	NA	<1	1129242.0	657461.0
WWTP-EX-29	02/14/02	Original	0	3	0.81	>1	1129203.7	657432.4
WWTP-EX-30	02/14/02	Original	0	3	NA	<1	1129209.9	657461.6
WWTP-EX-30-DUP	02/14/02	Field duplicate	0	3	NA	<1	1129209.9	657461.6
WWTP-EX-32	02/15/02	Original	0	3	NA	<1	1129220.9	657472.0
WWTP-EX-33	02/15/02	Original	0	3	NA	<1	1129221.0	657477.4
WWTP-EX-34	02/15/02	Original	0	3	NA	<1	1129221.2	657482.7
WWTP-EX-35	02/15/02	Original	0	3	NA	<1	1129221.3	657488.1
WWTP-EX-36	02/15/02	Original	0	3	NA	<1	1129221.4	657493.4
WWTP-EX-37	02/15/02	Original	0	3	NA	<1	1129221.6	657498.7
WWTP-EX-38	02/18/02	Original	0	3	NA	<1	1129205.7	657504.5
WWTP-EX-39	02/18/02	Original	0	3	NA	<1	1129216.4	657504.2
WWTP-EX-41	02/19/02	Original	0	3	NA	<1	1129220.7	657466.7
WWTP-EX-42	02/19/02	Original	0	3	NA	<1	1129252.9	657528.6
WWTP-EX-42 DUP	02/19/02	Field duplicate	0	3	NA	<1	1129252.9	657528.6
DWF-1 (0-6)	07/25/17	Original	0	6	NA	>1,<50	1129053.0	657650.4
DWF-1 (24-36)	08/21/17	Original	24	36	NA	< 1	1129053.0	657650.4

Table 3-5. OU-4 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
DWF-10 (0-6)	07/26/17	Original	0	6	NA	< 1	1128655.3	658065.8
DWF-11 (0-6)	07/26/17	Original	0	6	NA	< 1	1128738.6	658065.9
DWF-12 (0-6)	07/26/17	Original	0	6	NA	>1,<50	1128738.5	658016.1
DWF-12 (24-36)	08/24/17	Original	24	36	NA	>1,<50	1128738.5	658016.1
DWF-13 (0-6)	07/26/17	Original	0	6	NA	>1,<50	1128793.5	658019.4
DWF-14 (0-6)	07/26/17	Original	0	6	NA	< 1	1128641.2	658029.7
DWF-15 (0-6)	07/26/17	Original	0	6	NA	< 1	1128606.3	657979.9
DWF-15 (0-6)-X	07/26/17	Original	0	6	NA	< 1	1128606.3	657979.9
DWF-16 (0-6)	07/26/17	Original	0	6	NA	>1,<50	1128612.7	657933.7
DWF-16 (24-36)	08/23/17	Original	24	36	NA	< 1	1128612.7	657933.7
DWF-17 (0-6)	07/26/17	Original	0	6	NA	>1,<50	1128608.2	657881.7
DWF-18 (0-6)	07/26/17	Original	0	6	NA	< 1	1128668.6	657931.0
DWF-19 (0-6)	07/26/17	Original	0	6	NA	>1,<50	1128574.4	657890.1
DWF-2 (0-6)	07/25/17	Original	0	6	NA	>1,<50	1129055.9	657727.3
DWF-20 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128670.6	657876.0
DWF-21 (0-6)	07/27/17	Original	0	6	NA	< 1	1128671.4	657830.8
DWF-22 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128720.5	657891.9
DWF-23 (0-6)	07/27/17	Original	0	6	NA	< 1	1128798.4	657902.0
DWF-24 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128847.0	657903.5
DWF-24 (24-36)	08/22/17	Original	24	36	NA	< 1	1128847.0	657903.5
DWF-25 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128809.1	657982.3
DWF-26 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128857.4	657985.0
DWF-27 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128843.9	658016.3
DWF-27 (0-6)-X	07/27/17	Original	0	6	NA	>1,<50	1128843.9	658016.3
DWF-27 (24-36)	08/22/17	Original	24	36	NA	< 1	1128843.9	658016.3
DWF-28 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128894.4	658019.9
DWF-29 (0-6)	07/27/17	Original	0	6	NA	>1,<50	1128905.6	657984.1
DWF-29 (24-36)	08/22/17	Original	24	36	NA	< 1	1128905.6	657984.1
DWF-3 (0-6)	07/25/17	Original	0	6	NA	< 1	1129020.3	657748.9

Table 3-5. OU-4 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
DWF-30 (0-6)	07/27/17	Original	0	6	NA	< 1	1128928.1	658139.7
DWF-30 (24-36)	08/23/17	Original	24	36	NA	>1,<50	1128928.1	658139.7
DWF-30 (24-36)-X	08/23/17	Original	24	36	NA	< 1	1128928.1	658139.7
DWF-31 (0-6)	07/27/17	Original	0	6	NA	< 1	1128960.9	658174.4
DWF-32 (0-6)	07/28/17	Original	0	6	NA	>1,<50	1128932.0	657620.4
DWF-33 (0-6)	07/28/17	Original	0	6	NA	>1,<50	1128915.5	657577.6
DWF-33 (24-36)	08/24/17	Original	24	36	NA	< 1	1128915.5	657577.6
DWF-34 (0-6)	07/28/17	Original	0	6	NA	>1,<50	1128907.0	657532.6
DWF-35 (0-6)	07/28/17	Original	0	6	NA	>1,<50	1128953.7	657514.9
DWF-36 (0-6)	07/28/17	Original	0	6	NA	>1,<50	1128985.4	657505.4
DWF-36 (24-36)	08/24/17	Original	24	36	NA	< 1	1128985.4	657505.4
DWF-37 (0-6)	07/28/17	Original	0	6	NA	>1,<50	1128889.2	657499.1
DWF-38 (0-6)	07/31/17	Original	0	6	NA	>1,<50	1128844.1	657490.1
DWF-39 (0-6)	07/31/17	Original	0	6	NA	>1,<50	1128803.0	657482.4
DWF-4 (0-6)	07/25/17	Original	0	6	NA	< 1	1129047.4	657777.7
DWF-40 (0-6)	07/31/17	Original	0	6	NA	>1,<50	1129042.4	657842.8
DWF-41 (0-6)	07/31/17	Original	0	6	NA	>1,<50	1128996.0	657842.2
DWF-42 (0-6)	07/31/17	Original	0	6	NA	< 1	1129089.5	657737.5
DWF-43 (0-6)	07/31/17	Original	0	6	NA	< 1	1129090.2	657832.1
DWF-44 (0-6)	07/31/17	Original	0	6	NA	>1,<50	1128806.7	658171.1
DWF-44 (24-36)	07/31/17	Original	24	36	NA	< 1	1128806.7	658171.1
DWF-45 (0-6)	07/31/17	Original	0	6	NA	>1,<50	1128748.0	658110.2
DWF-46 (0-6)	08/22/17	Original	0	6	NA	>1,<50	1128807.4	658222.2
DWF-46 (0-6)-X	08/22/17	Original	0	6	NA	>1,<50	1128807.4	658222.2
DWF-46 (24-36)	08/22/17	Original	24	36	NA	>1,<50	1128807.4	658222.2
DWF-47 (0-6)	07/31/17	Original	0	6	NA	< 1	1128810.7	658313.6
DWF-47 (24-36)	08/22/17	Original	24	36	NA	>1,<50	1128810.7	658313.6
DWF-48 (0-6)	07/31/17	Original	0	6	NA	>1,<50	1128997.5	658209.6
DWF-48 (24-36)	08/22/17	Original	24	36	NA	< 1	1128997.5	658209.6

Table 3-5. OU-4 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
DWF-49 (0-6)	08/01/17	Original	0	6	NA	< 1	1129075.0	657933.6
DWF-5 (0-6)	07/25/17	Original	0	6	NA	>1,<50	1129021.6	657807.2
DWF-5 (24-36)	08/21/17	Original	24	36	NA	< 1	1129021.6	657807.2
DWF-50 (0-6)	08/01/17	Original	0	6	NA	< 1	1129037.9	657857.5
DWF-51 (0-6)	08/01/17	Original	0	6	NA	< 1	1129089.4	657881.5
DWF-52 (0-6)	08/01/17	Original	0	6	NA	< 1	1129076.7	657982.5
DWF-53 (0-6)	08/01/17	Original	0	6	NA	< 1	1129075.8	658033.0
DWF-54 (0-6)	08/01/17	Original	0	6	NA	>1,<50	1129073.5	658083.0
DWF-55 (0-6)	08/01/17	Original	0	6	NA	>1,<50	1129065.4	658127.3
DWF-55 (24-36)	08/23/17	Original	24	36	NA	>1,<50	1129065.4	658127.3
DWF-57 (0-6)	08/24/17	Original	0	6	NA	< 1	1129089.6	657787.5
DWF-58 (0-6)	08/24/17	Original	0	6	NA	< 1	1128844.3	658123.2
DWF-58 (24-36)	08/24/17	Original	24	36	NA	>1,<50	1128844.3	658123.2
DWF-59 (0-6)	08/22/17	Original	0	6	NA	>1,<50	1128806.9	658273.7
DWF-59 (24-36)	08/22/17	Original	24	36	NA	>1,<50	1128806.9	658273.7
DWF-6 (0-6)	08/24/17	Original	0	6	NA	< 1	1128942.7	657843.0
DWF-60 (0-6)	08/24/17	Original	0	6	NA	>1,<50	1128919.3	658099.1
DWF-60 (24-36)	08/24/17	Original	24	36	NA	< 1	1128919.3	658099.1
DWF-61 (0-6)	08/24/17	Original	0	6	NA	< 1	1128930.1	658047.7
DWF-62 (0-6)	08/24/17	Original	0	6	NA	< 1	1128929.4	657997.6
DWF-63 (0-6)	08/24/17	Original	0	6	NA	< 1	1128928.5	657942.6
DWF-64 (0-6)	08/23/17	Original	0	6	NA	>1,<50	1128927.9	657902.8
DWF-65 (0-6)	08/23/17	Original	0	6	NA	< 1	1128765.9	657898.3
DWF-6A (0-6)	08/23/17	Original	0	6	NA	>1,<50	1128960.4	657851.5

Table 3-5. OU-4 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
DWF-7 (0-6)	07/25/17	Original	0	6	NA	< 1	1128896.5	657905.7
DWF-8 (0-6)	07/26/17	Original	0	6	NA	>1,<50	1128787.4	658120.3
DWF-9 (0-6)	07/26/17	Original	0	6	NA	< 1	1128688.8	658100.9
P-1 6-7.5'	01/17/17	Original	72	90	NA	< 1	1129065.9	658410.4

1. The PCB data represent conditions below the interim measure covers. Depths listed are prior to installation of covers.

2. Total PCB Screening (immunoassay) concentrations were determined by USEPA Method 4020 (Immunoassay Field Screening Test Methods).

>: greater than
<: less than
BDL: below laboratory detection limits
mg/kg: milligram(s) per kilogram
NA: not available
OU: operable unit
ppm: parts per million
PCB: polychlorinated biphenyl
USEPA: United States Environmental Protection Agency

Table 3-6. OU-4 Interstate 20 PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
FP-1585+50-S-1	09/02/10	Original	0	3	NA	>1, <50	1129478.5	657784.3
FP-1586+00-N-1	09/09/10	Original	0	3	NA	>1, <50	1129769.7	657851.8
FP-1586+00-N-1 DUP	09/09/10	Field duplicate	0	3	NA	>10, <50	1129769.7	657851.8
FP-1586+00-S-1	09/02/10	Original	0	3	NA	>1, <50	1129478.8	657834.3
FP-1586+50-N-1	09/02/10	Original	0	3	NA	>1, <50	1129779.8	657902.8
FP-1587+00-N-1	09/02/10	Original	0	3	NA	>1, <50	1129770.5	657948.2
FP-1587+00-S-1	09/02/10	Original	0	3	NA	>1, <50	1129480.9	657934.3
FP-1588+00-N-1	08/26/10	Original	0	3	33 J	NA	1129741.5	658035.5
FP-1593+00-N-1	07/27/10	Original	0	3	NA	>1, <50	1129700.2	658534.7
FP-1593+13.8-N-1	08/25/10	Original	0	3	39	NA	1129700.4	658549.2
FP-1596+55.6-S-1	07/26/10	Original	0	3	NA	>1, <50	1129482.5	658890.0
FP-1597+00-N-1	07/27/10	Original	0	3	NA	>1, <50	1129713.9	658935.4
FP-1597+50-N-1	08/25/10	Original	0	3	2.5	NA	1129715.5	658985.4
FP-1598+00-N-1	07/28/10	Original	0	3	NA	>1, <50	1129713.6	659035.4
FP-1598+50-S-1	08/25/10	Original	0	3	44	NA	1129469.1	659084.3
FP-1599+00-N-1	07/30/10	Original	0	3	NA	>1, <50	1129720.9	659135.4
FP-1599+00-S-1	07/30/10	Original	0	3	NA	>1, <50	1129468.8	659134.3
FP-1599+50-N-1	08/25/10	Original	0	3	8.9	NA	1129723.1	659185.4
FP-1600+00-N-1	07/30/10	Original	0	3	NA	>1, <50	1129722.1	659235.4
FP-1600+00-S-1	08/03/10	Original	0	3	NA	>1, <50	1129468.3	659234.3
FP-1600+50-N-1	08/03/10	Original	0	3	NA	>1, <50	1129721.7	659285.4
FP-1600+50-S-1	08/03/10	Original	0	3	NA	>1, <50	1129472.6	659284.3
FP-1601+00-S-1	08/03/10	Original	0	3	NA	>1, <50	1129466.1	659334.3
FP-1601+50-N-1	08/03/10	Original	0	3	NA	>1, <50	1129722.0	659385.4
FP-1602+00-N-1	08/03/10	Original	0	3	NA	>1, <50	1129723.8	659435.4
FP-1602+00-S-1	08/04/10	Original	0	3	NA	>1, <50	1129465.8	659434.3
FP-1602+00-S-1 DUP	08/04/10	Field duplicate	0	3	NA	>1, <50	1129465.8	659434.3
FP-1602+50-N-1	08/25/10	Original	0	3	NA	>1, <50	1129725.1	659485.4
FP-1602+50-N-1 DUP	08/25/10	Field duplicate	0	3	NA	>1, <50	1129725.1	659485.4
FP-1602+50-S-1	08/25/10	Original	0	3	9.5	NA	1129465.8	659484.3
FP-1603+00-N-1	08/25/10	Original	0	3	NA	>1,<50	1129725.0	659535.4
FP-1603+00-S-1	08/25/10	Original	0	3	NA	>1, <50	1129465.7	659534.3
FP-1603+50-N-1	08/26/10	Original	0	3	31	NA	1129730.1	659585.4
FP-1603+50-S-1	08/26/10	Original	0	3	8.7	NA	1129460.1	659584.3
FP-1604+00-N-1	08/26/10	Original	0	3	5.8	NA	1129731.8	659635.4

Table 3-6. OU-4 Interstate 20 PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
FP-1604+00-S-1	08/26/10	Original	0	3	NA	>1, <50	1129454.5	659634.3
FP-1604+50-N-1	08/26/10	Original	0	3	6.1	NA	1129730.6	659685.4
FP-1604+50-S-1	08/26/10	Original	0	3	0.2	NA	1129453.8	659684.2
FP-1605+00-N-1	09/02/10	Original	0	3	NA	>1, <50	1129732.3	659735.4
FP-1605+00-S-1	09/02/10	Original	0	3	NA	>1, <50	1129458.5	659734.3
FP-1605+50-N-1	09/02/10	Original	0	3	NA	>1, <50	1129730.9	659785.0
FP-1605+50-S-1	09/02/10	Original	0	3	NA	>1, <50	1129462.5	659784.8
FP-1606+00-N-1	09/02/10	Original	0	3	NA	>1, <50	1129731.3	659834.6
FP-1606+00-S-1	09/02/10	Original	0	3	NA	< 1	1129464.1	659835.2
FP-1606+50-N-1	09/02/10	Original	0	3	NA	>1, <50	1129731.3	659884.2
FP-1607+00-N-1	09/02/10	Original	0	3	NA	>1, <50	1129732.0	659933.8
FP-1607+50-N-1	09/02/10	Original	0	3	NA	>1, <50	1129733.4	659983.4
FP-1608+00-N-1	09/09/10	Original	0	3	NA	> 1, <10	1129733.6	660033.0
FP-1608+50-N-1	09/09/10	Original	0	3	NA	> 1, <10	1129734.1	660082.6
SE-1589+50-S-1	07/28/10	Original	0	12	NA	>1, <50	1129509.6	658184.5
SE-1590+50-S-1	07/27/10	Original	0	12	NA	>1, <50	1129519.2	658284.6
SE-1591+00-S-1	08/25/10	Original	0	12	9.7	NA	1129521.5	658334.5
SE-1591+50-S-1	07/30/10	Original	0	12	NA	>1, <50	1129521.4	658384.3
SE-1592+00-S-1	08/02/10	Original	0	12	NA	>1, <50	1129521.6	658434.2
FP-1593+11.9-S-1	07/27/10	Original	0	3	NA	>1, <50	1129487.3	658546.3
SE-1596+55.6-S-1	07/26/10	Original	0	12	NA	>1, <50	1129512.5	658890.1
SE-1596+54.2-N-1	07/26/10	Original	0	12	NA	>1, <50	1129693.4	658889.4
SE-1598+50-N-1	07/27/10	Original	0	12	NA	>1, <50	1129695.3	659085.1
SE-1598+50-S-1	07/29/10	Original	0	12	NA	>1, <50	1129506.0	659084.5
SE-1599+00-N-1	07/27/10	Original	0	12	NA	>1, <50	1129692.9	659135.3
SE-1599+00-S-1	07/30/10	Original	0	12	NA	>1, <50	1129505.8	659134.5
SE-1599+50-N-1	07/28/10	Original	0	12	NA	>1, <50	1129694.3	659185.2
SE-1599+50-S-1	08/02/10	Original	0	12	NA	>1, <50	1129505.7	659184.5
SE-1600+00-N-1	08/25/10	Original	0	12	8.9	NA	1129694.9	659235.3
SE-1600+00-S-1	08/03/10	Original	0	12	NA	>1, <50	1129505.1	659234.5
SE-1600+00-S-1 DUP	08/03/10	Field duplicate	0	12	NA	>1, <50	1129505.1	659234.5
SE-1600+50-N-1	07/29/10	Original	0	12	NA	>1, <50	1129694.4	659285.2
SE-1600+50-N-1 DUP	07/29/10	Field duplicate	0	12	NA	>1, <50	1129694.4	659285.2
SE-1600+50-S-1	08/03/10	Original	0	12	NA	>1, <50	1129504.5	659284.5
SE-1601+00-N-1	08/03/10	Original	0	12	NA	>1, <50	1129694.9	659334.6

Table 3-6. OU-4 Interstate 20 PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
SE-1601+00-S-1	08/03/10	Original	0	12	NA	>1, <50	1129503.1	659334.3
SE-1601+50-N-1	08/02/10	Original	0	12	NA	>1, <50	1129694.3	659385.2
SE-1601+50-S-1	08/04/10	Original	0	12	NA	>1, <50	1129502.9	659384.4
SE-1602+00-N-1	08/03/10	Original	0	12	NA	>1, <50	1129694.7	659435.3
SE-1602+00-S-1	08/04/10	Original	0	12	NA	>1, <50	1129502.7	659434.4
SE-1602+50-N-1	08/25/10	Original	0	12	NA	>1, <50	1129694.3	659485.3
SE-1602+50-S-1	08/25/10	Original	0	12	6.9	NA	1129500.4	659484.4
SE-1603+00-N-1	08/25/10	Original	0	12	NA	>1, <50	1129694.3	659535.3
SE-1603+00-S-1	08/25/10	Original	0	12	NA	>1, <50	1129500.8	659534.4
SE-1603+50-N-1	08/26/10	Original	0	12	NA	>1, <50	1129694.7	659585.3
SE-1603+50-S-1	08/26/10	Original	0	12	NA	>1, <50	1129500.5	659584.4
SE-1604+00-N-1	08/26/10	Original	0	12	NA	>1, <50	1129693.8	659635.3
SE-1604+00-S-1	08/26/10	Original	0	12	NA	>1, <50	1129498.7	659634.4
SE-1604+50-N-1	08/26/10	Original	0	12	NA	>1, <50	1129693.2	659685.3
SE-1604+50-S-1	08/26/10	Original	0	12	NA	>1, <50	1129498.4	659684.4
SE-1605+00-N-1	08/03/10	Original	0	12	NA	>1, <50	1129693.7	659735.3
SE-1605+50-N-1	09/02/10	Original	0	12	NA	>1, <50	1129693.2	659785.7
SE-1606+00-N-1	07/30/10	Original	0	12	NA	>1, <50	1129693.1	659834.8
SE-1606+50-N-1	09/02/10	Original	0	12	NA	>1, <50	1129694.0	659885.7
SE-1607+00-N-1	09/02/10	Original	0	12	NA	>1, <50	1129693.9	659934.8
SE-1607+50-N-1	09/02/10	Original	0	12	NA	>1, <50	1129696.1	659984.7
SE-1608+00-N-1	09/09/10	Original	0	12	NA	> 1, <10	1129699.0	660033.9
SE-1608+50-N-1	09/09/10	Original	0	12	NA	> 1, <10	1129699.6	660083.4
SED-1594+50-N-1	07/26/10	Original	0	3	NA	>1, <50	1129729.2	658685.4
SED-1595+00-N-1	08/25/10	Original	0	3	12	NA	1129740.6	658735.5
SED-1595+00-N-1 DUP	08/25/10	Field duplicate	0	3	11	NA	1129740.6	658735.5
SED-1595+50-N-1	07/27/10	Original	0	3	NA	>1, <50	1129741.8	658785.5

Table 3-6. OU-4 Interstate 20 PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1,3]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
SED-1595+50-N-1 DUP	07/27/10	Field duplicate	0	3	NA	>1, <50	1129741.8	658785.5
SED-1596+00-N-1	07/28/10	Original	0	3	NA	>1, <50	1129745.6	658835.5

1. The PCB data represent conditions below the interim measure covers. Depths listed are prior to installation of covers.
2. Total PCB screening (immunoassay) concentrations were determined by USEPA Method 4020 (Immunoassay Field Screening Test Methods).
3. J: The compound/analyte was positively identified; however, the associated numerical value is an estimated concentration only.

>: greater than
<: less than
mg/kg: milligram(s) per kilogram
NA: not available
OU: operable unit
PCB: polychlorinated biphenyl
ppm: parts per million
USEPA: United States Environmental Protection Agency

Table 3-7. OU-4 Former Holiday Inn Redevelopment Support PCB in Soil Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field Sample ID	Sample Date	Sample Type	Depth Minimum (inches) [1]	Depth Maximum (inches) [1]	Total PCB (mg/kg) [1]	Total PCB Screening (Immunoassay) (ppm) [1,2]	Northing	Easting
A+0	4/23/2013	Original	0	12	22.1	>50	1130671.3	658583.5
A+50	4/23/2013	Original	0	12	NA	>50	1130711.1	658552.1
A+100	4/23/2013	Original	0	18	NA	>50	1130750.4	658521.2
A-1+0	4/23/2013	Original	0	24	NA	>1, <50	1130777.8	658499.8
FP-1	4/23/2013	Original	0	24	BDL	<1	1131254.0	658497.5
FP-1-X	4/23/2013	Field duplicate	0	24	BDL	<1	1131254.0	658497.5
FP-2	4/23/2013	Original	0	24	NA	<1	1131203.9	658537.0
FP-3	4/23/2013	Original	0	24	NA	<1	1131236.7	658475.7
FP-4	4/23/2013	Original	0	24	BDL	<1	1131186.6	658515.2
FP-5	4/23/2013	Original	0	24	NA	<1	1131219.6	658453.8
FP-6	4/23/2013	Original	0	24	NA	<1	1131169.5	658493.5
FP-7	4/23/2013	Original	0	24	NA	<1	1131202.4	658432.0
FP-7 -X	4/23/2013	Field duplicate	0	24	NA	<1	1131202.4	658432.0
FP-8	4/23/2013	Original	0	24	NA	<1	1131152.4	658471.6
LD-1	4/23/2013	Original	0	24	NA	<1	1131111.2	658500.6
LD-2	4/23/2013	Original	0	24	NA	<1	1131151.0	658551.2
LD-2-X	4/23/2013	Field duplicate	0	24	NA	<1	1131151.0	658551.2
A-1.1+50	4/23/2013	Original	0	18	NA	>1, <50	1130747.3	658460.7
FO+325	4/23/2013	Original	0	24	NA	>50	1130886.4	658616.5
FO+325	4/23/2013	Original	24	48	NA	>1, <50	1130886.4	658616.5
FO+325	4/23/2013	Original	48	72	NA	<1	1130886.4	658616.5

[1]Where covers were installed, the PCB data represent conditions below the covers and the depths listed are prior to installation of covers.

[2]Total PCB Screening (immunoassay) concentrations were determined by USEPA Method 4020 (Immunoassay Field Screening Test Methods).

>: greater than
<: less than
BDL: below laboratory detection limits
mg/kg: milligram(s) per kilogram
NA: not available
OU: operable unit
ppm: parts per million
PCB: polychlorinated biphenyl

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
APCO FP	C5N	C5N-EU2	116 LoopOut	1115833.2	618982.7	AP-116 LoopOut (1-2')	8/8/2002	O	Discrete	1	2	0.079 U	NA	NA
APCO FP	C5N	C5N-EU2	STR-82	1120755.3	631458.8	AP-82 DUP (0-1')	8/8/2002	FD	Discrete	0	1	0.48 J	NA	NA
APCO FP	C5N	C5N-EU2	STR-82	1120755.3	631458.8	AP-82 (0-1')	8/8/2002	O	Discrete	0	1	0.79 J	NA	NA
APCO FP	C5N	C5N-EU2	STR-97	1114505.2	625296.8	AP-97 (0-1')	8/8/2002	O	Discrete	0	1	1.3 J	NA	NA
APCO FP	C5N	C5N-EU2	STR-97	1114505.2	625296.8	AP-97 (1-2')	8/8/2002	O	Discrete	1	2	0.077 U	NA	NA
APCO FP	C5N	C5N-EU2	STR-98	1114086.8	624867.9	AP-98 (0-1')	8/8/2002	O	Discrete	0	1	0.92 J	NA	NA
APCO FP	C5N	C5N-EU2	STR-98	1114086.8	624867.9	AP-98 (1-2')	8/8/2002	O	Discrete	1	2	0.045	NA	NA
APCO FP	C5S	C5S-EU1	92 Loop In	1115246.6	619280.4	AP-92 Loop In (0-1')	9/16/2002	O	Discrete	0	1	0.14 U	NA	NA
APCO FP	C5S	C5S-EU1	STR-83	1120259.8	631008.3	AP-83 (0-1')	8/8/2002	O	Discrete	0	1	0.84 J	NA	NA
APCO FP	C5S	C5S-EU1	STR-83	1120259.8	631008.3	AP-83 ANC (0-1")	8/8/2002	O	Discrete	0	1	2.7 J	NA	NA
APCO FP	C5S	C5S-EU1	STR-88	1118181.3	629071.3	AP-88 (1-2')	8/9/2002	O	Discrete	1	2	0.077 U	NA	NA
APCO FP	C5S	C5S-EU1	STR-90	1117455.0	628339.8	AP-90 (0-1')	8/9/2002	O	Discrete	0	1	0.072 U	NA	NA
APCO FP	C5S	C5S-EU1	STR-99	1113758.5	624509.1	AP-99 (0-1')	8/8/2002	O	Discrete	0	1	1.0 J	NA	NA
Borrelli	C1W	C1-EU2	BP-1	1130404.4	658640.6	BP-1 (6-12)	8/8/2001	O	Discrete	0.5	1	71	NA	NA
Borrelli	C1W	C1-EU2	BP-2	1130344.2	658629.5	BP-2 (6-12)	8/8/2001	O	Discrete	0.5	1	30	NA	NA
Borrelli	C1W	C1-EU2	BP-7	1130376.1	658635.7	BP-7 (0-6)	8/8/2001	O	Discrete	0	0.5	0.12	NA	NA
Borrelli	C1W	C1-EU2	BP-8	1130402.0	658503.6	BP-8 (0-6)	8/8/2001	O	Discrete	0	0.5	3.1	NA	NA
Borrelli	C1W	C1-EU2	BP-9	1130427.1	658374.6	BP-9 (0-6)	8/8/2001	O	Discrete	0	0.5	11	NA	NA
Borrelli	C1W	C1-EU2	NHA-1	1130178.2	658585.2	NHA-1 (0-6)	2/28/2001	O	Discrete	0	0.5	20	NA	NA
Borrelli	C1W	C1-EU2	NHA-1	1130178.2	658585.2	NHA-1 (12-18)	2/28/2001	O	Discrete	1	1.5	85	NA	NA
Borrelli	C1W	C1-EU2	NHA-1	1130178.2	658585.2	NHA-1 (24-30)	2/28/2001	O	Discrete	2	2.5	190	NA	NA
Borrelli	C1W	C1-EU2	NHA-2	1130279.3	658595.5	NHA-2 (0-6)	2/28/2001	O	Discrete	0	0.5	77	NA	NA
Borrelli	C1W	C1-EU2	NHA-2	1130279.3	658595.5	NHA-2 (12-18)	2/28/2001	O	Discrete	1	1.5	230	NA	NA
Borrelli	C1W	C1-EU2	NHA-2	1130279.3	658595.5	NHA-2 (24-30)	2/28/2001	O	Discrete	2	2.5	210	NA	NA
Borrelli	C1W	C1-EU2	NHA-5	1130434.9	658648.6	NHA-5 (0-6)	2/28/2001	O	Discrete	0	0.5	230	NA	NA
Borrelli	C1W	C1-EU2	NHA-5	1130434.9	658648.6	NHA-5 (12-18)	2/28/2001	O	Discrete	1	1.5	72	NA	NA
Borrelli	C1W	C1-EU2	NHA-5	1130434.9	658648.6	NHA-5 (Dup)	2/28/2001	FD	Discrete	0	0.5	190	NA	NA
Highway 21	C3N	C3N-EU2	FP-3-d	1122376.1	652030.6	FP-3-d	2/1/1997	O	Discrete	0	2	0.25	NA	NA
Highway 21	C3N	C3N-EU2	FP-3-e	1122414.3	652039.5	FP-3-e	2/1/1997	O	Discrete	0	2	23	NA	NA
Highway 21	C3N	C3N-EU2	FP-3-f	1122453.7	652048.7	FP-3-f	2/1/1997	O	Discrete	0	2	0.090	NA	NA
Highway 21	C3N	C3N-EU2	FP-3-g	1122492.8	652057.8	FP-3-g	2/1/1997	O	Discrete	0	2	0 U	NA	NA
Highway 21	C3S	C3S-EU2	FP-2-d	1122312.6	652015.7	FP-2-d	2/1/1997	O	Discrete	0	2	0 U	NA	NA
Highway 21	C3S	C3S-EU2	FP-2-e	1122274.1	652006.8	FP-2-e	2/1/1997	O	Discrete	0	2	10	NA	NA
Highway 21	C3S	C3S-EU2	FP-2-f	1122234.7	651997.6	FP-2-f	2/1/1997	O	Discrete	0	2	8.3	NA	NA
Highway 21	C3S	C3S-EU2	FP-2-g	1122195.4	651988.4	FP-2-g	2/1/1997	O	Discrete	0	2	12	NA	NA
Highway 21	C3S	C3S-EU2	RP-2-dx	1122292.8	652011.1	RP-2-dx	2/1/1997	O	Discrete	0	2	9.2	NA	NA
Highway 21	C4N	C4N-EU1	FP-1-d	1122081.3	651439.9	FP-1-d	2/1/1997	O	Discrete	0	2	18	NA	NA
Highway 21	C4N	C4N-EU1	FP-1-e	1122042.8	651430.8	FP-1-e	2/1/1997	O	Discrete	0	2	15	NA	NA
Highway 21	C4N	C4N-EU1	FP-4-d	1122199.9	651467.9	FP-4-d	2/1/1997	O	Discrete	0	2	26	NA	NA
Highway 21	C4N	C4N-EU1	FP-4-e	1122238.7	651477.1	FP-4-e	2/1/1997	O	Discrete	0	2	2.1	NA	NA
Highway 21	C4N	C4N-EU1	FP-4-f	1122315.3	651495.2	FP-4-f	2/1/1997	O	Discrete	0	2	0.070	NA	NA
Highway 21	C4N	C4N-EU1	FP-4-g	1122353.9	651504.3	FP-4-g	2/1/1997	O	Discrete	0	2	1.2	NA	NA
Highway 21	C4N	C4N-EU1	RP-4-ex	1122277.4	651486.2	RP-4-ex	2/1/1997	O	Discrete	0	2	3.1	NA	NA
Highway 21	C4S	C4S-EU1	FP-1-f	1122003.9	651421.6	FP-1-f	2/1/1997	O	Discrete	0	2	4.6	NA	NA
Highway 21	C4S	C4S-EU1	FP-1-g	1121964.4	651412.2	FP-1-g	2/1/1997	O	Discrete	0	2	4.0	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-10	1120463.3	643662.4	Ind-CC-10 (0-0.5)	11/29/2000	O	Discrete	0	0.5	0.10 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-11	1120372.4	643535.4	Ind-CC-11 (0-0.5)	11/29/2000	O	Discrete	0	0.5	0.10 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-12	1120251.2	643357.7	Ind-CC-12 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.10 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-13	1120160.3	643163.1	Ind-CC-13 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.28	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-14	1120039.1	643002.3	Ind-CC-14 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.17	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-15	1120847.4	643865.5	Ind-CC-15 (0-0.5)	11/29/2000	O	Discrete	0	0.5	0.081 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-16	1120746.3	643696.3	Ind-CC-16 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.84	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-17	1120615.0	643560.9	Ind-CC-17 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.046	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-18	1120544.3	643400.1	Ind-CC-18 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.088 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-19	1120402.9	643222.4	Ind-CC-19 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.096 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-2	1120695.9	643569.4	Ind-CC-2 (0-0.5)	10/25/2000	O	Discrete	0	0.5	0.096 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-20	1121089.9	643874.1	Ind-CC-20 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.096 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-21	1121009.1	643713.3	Ind-CC-21 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.10 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-22	1120877.8	643552.5	Ind-CC-22 (0-0.5)	11/30/2000	O	Discrete	0	0.5	0.10 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-27	1120524.3	642892.5	Ind-CC-27 (0-0.5)	12/1/2000	O	Discrete	0	0.5	1.7	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-27	1120524.3	642892.5	Ind-CC-27 (1-1.5)	12/1/2000	O	Discrete	1	1.5	0.087 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-28	1120827.1	644051.7	Ind-CC-28 (0-0.5)	12/1/2000	O	Discrete	0	0.5	5.0	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-4	1120705.8	643941.6	Ind-CC-4 (0-1)	10/27/2000	O	Discrete	0	1	0.092 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-5	1120513.9	643527.0	Ind-CC-5 (0-0.92)	10/27/2000	O	Discrete	0	0.92	1.7	NA	NA
I-20 Industrial Park	C4N	C4N-EU2	Ind-CC-6	1120342.1	643459.3	Ind-CC-6 (0-0.5)	10/27/2000	O	Discrete	0	0.5	0.094 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-8	1120705.8	644000.9	Ind-CC-8 (0-0.5)	11/29/2000	O	Discrete	0	0.5	4.8	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-8	1120705.8	644000.9	Ind-CC-8 (1-1.25)	11/29/2000	O	Discrete	1	1.25	0.089 U	NA	NA
I-20 Industrial Park	C4N	C4N-EU1	Ind-CC-9	1120614.9	643848.5	Ind-CC-9 (0-0.5)	11/29/2000	O	Discrete	0	0.5	0.097 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-001	1130787.5	659506.0	OLGP-001 (0-6)	8/8/2000	O	Discrete	0	0.5	1.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-001	1130787.5	659506.0	OLGP-001 (12-18)	8/8/2000	O	Discrete	1	1.5	0.075 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-002	1130690.4	659490.3	OLGP-002 (0-6)	8/8/2000	O	Discrete	0	0.5	13	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-002	1130690.4	659490.3	OLGP-002 (12-18)	8/8/2000	O	Discrete	1	1.5	0.21	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-003	1130594.2	659473.8	OLGP-003 (0-6)	8/8/2000	O	Discrete	0	0.5	7.2	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-003	1130594.2	659473.8	OLGP-003 (12-18)	8/8/2000	O	Discrete	1	1.5	3.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-003	1130594.2	659473.8	OLGP-003 (30-36)	8/8/2000	O	Discrete	2.5	3	0.081 U	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-009	1130517.6	658930.7	OLGP-009 (0-6)	8/8/2000	O	Discrete	0	0.5	12	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-009	1130517.6	658930.7	OLGP-009 (12-18)	8/8/2000	O	Discrete	1	1.5	13	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-009	1130517.6	658930.7	OLGP-009 (30-36)	8/8/2000	O	Discrete	2.5	3	12	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-009	1130517.6	658930.7	OLGP-009 (42-48)	8/8/2000	O	Discrete	3.5	4	1.2	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-010	1130520.1	658830.7	OLGP-010 (0-6)	8/9/2000	O	Discrete	0	0.5	7.8	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-010	1130520.1	658830.7	OLGP-010 (12-18)	8/9/2000	O	Discrete	1	1.5	100	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-010	1130520.1	658830.7	OLGP-010 (24-30)	8/9/2000	O	Discrete	2	2.5	86	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-010	1130520.1	658830.7	OLGP-010 (24-30) DUP	8/9/2000	FD	Discrete	2	2.5	130	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-010	1130520.1	658830.7	OLGP-010 (42-48)	8/9/2000	O	Discrete	3.5	4	27	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-011	1130525.3	658782.4	OLGP-011 (0-6)	8/9/2000	O	Discrete	0	0.5	5.6	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-011	1130525.3	658782.4	OLGP-011 (12-18)	8/9/2000	O	Discrete	1	1.5	25	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-011	1130525.3	658782.4	OLGP-011 (24-30)	8/9/2000	O	Discrete	2	2.5	45	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-011	1130525.3	658782.4	OLGP-011 (42-48)	8/9/2000	O	Discrete	3.5	4	9.7	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-020	1130315.4	658915.3	OLGP-020 (0-6)	8/9/2000	O	Discrete	0	0.5	13	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-020	1130315.4	658915.3	OLGP-020 (12-18)	8/9/2000	O	Discrete	1	1.5	31	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Oxford Lake Park	C1E	C1-EU2	OLGP-020	1130315.4	658915.3	OLGP-020 (24-30)	8/9/2000	O	Discrete	2	2.5	49	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-021	1130330.3	658816.9	OLGP-021 (0-6)	8/9/2000	O	Discrete	0	0.5	27	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-021	1130330.3	658816.9	OLGP-021 (12-18)	8/9/2000	O	Discrete	1	1.5	100	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-021	1130330.3	658816.9	OLGP-021 (24-30)	8/9/2000	O	Discrete	2	2.5	63	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-021	1130330.3	658816.9	OLGP-021 (42-48)	8/9/2000	O	Discrete	3.5	4	23	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-022	1130342.6	658736.4	OLGP-022 (0-6)	8/9/2000	O	Discrete	0	0.5	7.4	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-022	1130342.6	658736.4	OLGP-022 (12-18)	8/9/2000	O	Discrete	1	1.5	9.2	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-022	1130342.6	658736.4	OLGP-022 (24-30)	8/9/2000	O	Discrete	2	2.5	21	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-022	1130342.6	658736.4	OLGP-022 (30-36)	8/9/2000	O	Discrete	2.5	3	13	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-023	1130209.8	659008.4	OLGP-023 (0-6)	8/9/2000	O	Discrete	0	0.5	7.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-023	1130209.8	659008.4	OLGP-023 (12-18)	8/9/2000	O	Discrete	1	1.5	7.5	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-024	1130207.4	659111.6	OLGP-024 (0-6)	8/9/2000	O	Discrete	0	0.5	2.4	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-024	1130207.4	659111.6	OLGP-024 (12-18)	8/9/2000	O	Discrete	1	1.5	24	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-024	1130207.4	659111.6	OLGP-024 (24-30)	8/9/2000	O	Discrete	2	2.5	1.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-024	1130207.4	659111.6	OLGP-024 (42-48)	8/9/2000	O	Discrete	3.5	4	0.21	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-026	1130156.6	659108.3	OLGP-026 (0-6)	8/9/2000	O	Discrete	0	0.5	4.7	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-026	1130156.6	659108.3	OLGP-026 (24-30)	8/9/2000	O	Discrete	2	2.5	2.7	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-027	1130105.2	659000.0	OLGP-027 (0-6)	8/9/2000	O	Discrete	0	0.5	7.0	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-027	1130105.2	659000.0	OLGP-027 (12-18)	8/9/2000	O	Discrete	1	1.5	65	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-027	1130105.2	659000.0	OLGP-027 (24-32)	8/9/2000	O	Discrete	2	2.7	3.3	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-027	1130105.2	659000.0	OLGP-027 (42-48)	8/9/2000	O	Discrete	3.5	4	2.7	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-028	1130115.9	658899.2	OLGP-028 (0-6)	8/9/2000	O	Discrete	0	0.5	13	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-028	1130115.9	658899.2	OLGP-028 (12-18)	8/9/2000	O	Discrete	1	1.5	26	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-028	1130115.9	658899.2	OLGP-028 (24-30)	8/9/2000	O	Discrete	2	2.5	37	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-029	1130127.0	658799.1	OLGP-029 (0-6)	8/9/2000	O	Discrete	0	0.5	14	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-029	1130127.0	658799.1	OLGP-029 (12-18)	8/9/2000	O	Discrete	1	1.5	150	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-029	1130127.0	658799.1	OLGP-029 (24-30)	8/9/2000	O	Discrete	2	2.5	3.9	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-030	1130140.2	658709.5	OLGP-030 (0-6)	8/9/2000	O	Discrete	0	0.5	6.9	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-030	1130140.2	658709.5	OLGP-030 (12-18)	8/9/2000	O	Discrete	1	1.5	26	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-030	1130140.2	658709.5	OLGP-030 (24-30)	8/9/2000	O	Discrete	2	2.5	32	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-030	1130140.2	658709.5	OLGP-030 (42-48)	8/9/2000	O	Discrete	3.5	4	0.25	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-031	1130238.8	658719.6	OLGP-031 (0-6)	8/9/2000	O	Discrete	0	0.5	7.0	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-031	1130238.8	658719.6	OLGP-031 (12-18)	8/9/2000	O	Discrete	1	1.5	84	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-031	1130238.8	658719.6	OLGP-031 (24-30)	8/9/2000	O	Discrete	2	2.5	18	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-032	1130434.9	658757.5	OLGP-032 (0-6)	8/9/2000	O	Discrete	0	0.5	5.1	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-032	1130434.9	658757.5	OLGP-032 (12-18)	8/9/2000	O	Discrete	1	1.5	15	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-032	1130434.9	658757.5	OLGP-032 (24-30)	8/9/2000	O	Discrete	2	2.5	7.1	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-032	1130434.9	658757.5	OLGP-032 (42-48)	8/9/2000	O	Discrete	3.5	4	47	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-033	1130618.0	658819.8	OLGP-033 (0-6)	8/9/2000	O	Discrete	0	0.5	6.1	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-033	1130618.0	658819.8	OLGP-033 (12-18)	8/9/2000	O	Discrete	1	1.5	47	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-033	1130618.0	658819.8	OLGP-033 (24-30)	8/9/2000	O	Discrete	2	2.5	90	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-033	1130618.0	658819.8	OLGP-033 (42-48)	8/9/2000	O	Discrete	3.5	4	2.5	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-034	1130718.6	658837.4	OLGP-034 (0-6)	8/9/2000	O	Discrete	0	0.5	31	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-034	1130718.6	658837.4	OLGP-034 (0-6) DUP	8/9/2000	FD	Discrete	0	0.5	28	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-034	1130718.6	658837.4	OLGP-034 (12-18)	8/9/2000	O	Discrete	1	1.5	210	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Oxford Lake Park	C1E	C1-EU2	OLGP-034	1130718.6	658837.4	OLGP-034 (24-30)	8/9/2000	O	Discrete	2	2.5	110	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-034	1130718.6	658837.4	OLGP-034 (42-48)	8/9/2000	O	Discrete	3.5	4	1.6	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-035	1130816.7	658859.1	OLGP-035 (0-6)	8/9/2000	O	Discrete	0	0.5	11	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-035	1130816.7	658859.1	OLGP-035 (12-18)	8/9/2000	O	Discrete	1	1.5	140	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-035	1130816.7	658859.1	OLGP-035 (24-30)	8/9/2000	O	Discrete	2	2.5	170	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-035	1130816.7	658859.1	OLGP-035 (34-40)	8/9/2000	O	Discrete	2.8	3.3	26	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-036	1130912.6	658855.2	OLGP-036 (0-6)	8/9/2000	O	Discrete	0	0.5	59	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-036	1130912.6	658855.2	OLGP-036 (12-18)	8/9/2000	O	Discrete	1	1.5	150	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-036	1130912.6	658855.2	OLGP-036 (24-30)	8/9/2000	O	Discrete	2	2.5	76	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-036	1130912.6	658855.2	OLGP-036 (42-48)	8/9/2000	O	Discrete	3.5	4	1.9	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-037	1131011.9	658850.7	OLGP-037 (0-6)	8/9/2000	O	Discrete	0	0.5	31	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-037	1131011.9	658850.7	OLGP-037 (12-18)	8/9/2000	O	Discrete	1	1.5	100	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-037	1131011.9	658850.7	OLGP-037 (24-30)	8/9/2000	O	Discrete	2	2.5	4.3	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-037	1131011.9	658850.7	OLGP-037 (42-48)	8/9/2000	O	Discrete	3.5	4	19	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-038	1131112.7	658851.3	OLGP-038 (0-6)	8/9/2000	O	Discrete	0	0.5	38	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-038	1131112.7	658851.3	OLGP-038 (12-18)	8/9/2000	O	Discrete	1	1.5	89	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-038	1131112.7	658851.3	OLGP-038 (24-30)	8/9/2000	O	Discrete	2	2.5	26	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-038	1131112.7	658851.3	OLGP-038 (42-48)	8/9/2000	O	Discrete	3.5	4	5.5	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-039	1131173.2	658955.0	OLGP-039 (0-6)	8/9/2000	O	Discrete	0	0.5	45	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-039	1131173.2	658955.0	OLGP-039 (12-18)	8/9/2000	O	Discrete	1	1.5	96	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-039	1131173.2	658955.0	OLGP-039 (24-30)	8/9/2000	O	Discrete	2	2.5	60	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-039	1131173.2	658955.0	OLGP-039 (42-48)	8/9/2000	O	Discrete	3.5	4	9.2	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-040	1131115.1	659012.9	OLGP-040 (0-6)	8/10/2000	O	Discrete	0	0.5	35	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-040	1131115.1	659012.9	OLGP-040 (12-18)	8/10/2000	O	Discrete	1	1.5	41	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-040	1131115.1	659012.9	OLGP-040 (24-30)	8/10/2000	O	Discrete	2	2.5	17	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-040	1131115.1	659012.9	OLGP-040 (42-48)	8/9/2000	O	Discrete	3.5	4	1.7	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-041	1131008.7	659019.6	OLGP-041 (0-6)	8/10/2000	O	Discrete	0	0.5	30	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-041	1131008.7	659019.6	OLGP-041 (12-18)	8/10/2000	O	Discrete	1	1.5	26	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-041	1131008.7	659019.6	OLGP-041 (24-30)	8/10/2000	O	Discrete	2	2.5	1.2	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-042	1130910.7	659026.3	OLGP-042 (0-6)	8/10/2000	O	Discrete	0	0.5	34	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-042	1130910.7	659026.3	OLGP-042 (12-18)	8/10/2000	O	Discrete	1	1.5	67	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-042	1130910.7	659026.3	OLGP-042 (24-30)	8/10/2000	O	Discrete	2	2.5	5.4	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-042	1130910.7	659026.3	OLGP-042 (33-35)	8/10/2000	O	Discrete	2.8	2.9	7.2	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-043	1130813.8	659019.7	OLGP-043 (0-6)	8/10/2000	O	Discrete	0	0.5	22	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-043	1130813.8	659019.7	OLGP-043 (0-6) DUP	8/10/2000	FD	Discrete	0	0.5	21	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-043	1130813.8	659019.7	OLGP-043 (12-18)	8/10/2000	O	Discrete	1	1.5	37	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-043	1130813.8	659019.7	OLGP-043 (24-30)	8/10/2000	O	Discrete	2	2.5	3.9	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-044	1130709.8	659016.5	OLGP-044 (0-6)	8/10/2000	O	Discrete	0	0.5	16	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-044	1130709.8	659016.5	OLGP-044 (12-18)	8/10/2000	O	Discrete	1	1.5	18	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-044	1130709.8	659016.5	OLGP-044 (24-30)	8/10/2000	O	Discrete	2	2.5	10	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-045	1130608.7	659011.9	OLGP-045 (0-6)	8/10/2000	O	Discrete	0	0.5	16	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-045	1130608.7	659011.9	OLGP-045 (12-18)	8/10/2000	O	Discrete	1	1.5	110	NA	NA
Oxford Lake Park	C1E	C1-EU2	OLGP-045	1130608.7	659011.9	OLGP-045 (24-30)	8/10/2000	O	Discrete	2	2.5	1.1	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-046	1130772.7	659582.4	OLGP-046 (0-6)	8/10/2000	O	Discrete	0	0.5	1.4	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-047	1130674.4	659567.1	OLGP-047 (0-6)	8/10/2000	O	Discrete	0	0.5	35	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Oxford Lake Park	C1E	C1-EU1	OLGP-047	1130674.4	659567.1	OLGP-047 (24-30)	8/10/2000	O	Discrete	2	2.5	0.080 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-048	1130579.9	659544.4	OLGP-048 (0-6)	8/10/2000	O	Discrete	0	0.5	55	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-048	1130579.9	659544.4	OLGP-048 (12-18)	8/10/2000	O	Discrete	1	1.5	0.51	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-048	1130579.9	659544.4	OLGP-048 (24-30)	8/10/2000	O	Discrete	2	2.5	0.12	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-049	1130511.1	659523.3	OLGP-049 (0-6)	8/10/2000	O	Discrete	0	0.5	8.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-049	1130511.1	659523.3	OLGP-049 (12-18)	8/10/2000	O	Discrete	1	1.5	31	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-050	1130305.7	659515.5	OLGP-050 (12-18)	8/10/2000	O	Discrete	1	1.5	9.9	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-050	1130305.7	659515.5	OLGP-050 (24-30)	8/10/2000	O	Discrete	2	2.5	13	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-050	1130305.7	659515.5	OLGP-050 (34-40)	8/10/2000	O	Discrete	2.8	3.3	1.3	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-051	1130216.6	659508.0	OLGP-051 (24-30)	8/10/2000	O	Discrete	2	2.5	2.5	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-051	1130216.6	659508.0	OLGP-051 (42-48)	8/10/2000	O	Discrete	3.5	4	0.38	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-055	1129815.7	659479.8	OLGP-055 (24-30)	8/10/2000	O	Discrete	2	2.5	7.3	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-055	1129815.7	659479.8	OLGP-055 (33-39)	8/10/2000	O	Discrete	2.75	3.25	0.21	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-056	1129815.6	659380.2	OLGP-056 (24-30)	8/10/2000	O	Discrete	2	2.5	0.084 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-056	1129815.6	659380.2	OLGP-056 (34-40)	8/10/2000	O	Discrete	2.8	3.3	1.7	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-057	1129816.8	659279.7	OLGP-057 (0-6)	8/10/2000	O	Discrete	0	0.5	0.20	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-057	1129816.8	659279.7	OLGP-057 (24-30)	8/10/2000	O	Discrete	2	2.5	0.15 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-057	1129816.8	659279.7	OLGP-057 (32-38)	8/10/2000	O	Discrete	2.7	3.2	35	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-058	1129817.8	659175.4	OLGP-058 (0-6)	8/10/2000	O	Discrete	0	0.5	5.3	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-058	1129817.8	659175.4	OLGP-058 (12-18)	8/10/2000	O	Discrete	1	1.5	1.7	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-058	1129817.8	659175.4	OLGP-058 (24-30)	8/10/2000	O	Discrete	2	2.5	9.0	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-058	1129817.8	659175.4	OLGP-058 (42-48)	8/10/2000	O	Discrete	3.5	4	0.079 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-061	1129819.7	658871.2	OLGP-061 (0-6)	8/10/2000	O	Discrete	0	0.5	4.4	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-061	1129819.7	658871.2	OLGP-061 (12-18)	8/10/2000	O	Discrete	1	1.5	290	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-061	1129819.7	658871.2	OLGP-061 (24-30)	8/10/2000	O	Discrete	2	2.5	1.2	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-061	1129819.7	658871.2	OLGP-061 (42-48)	8/10/2000	O	Discrete	3.5	4	0.088 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-062	1129810.4	658768.5	OLGP-062 (0-6)	8/10/2000	O	Discrete	0	0.5	12	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-062	1129810.4	658768.5	OLGP-062 (12-18)	8/10/2000	O	Discrete	1	1.5	83	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-062	1129810.4	658768.5	OLGP-062 (12-18) DUP	8/10/2000	FD	Discrete	1	1.5	94	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-062	1129810.4	658768.5	OLGP-062 (24-30)	8/10/2000	O	Discrete	2	2.5	220	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-062	1129810.4	658768.5	OLGP-062 (32-38)	8/10/2000	O	Discrete	2.7	3.2	5.0	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-063	1129815.9	658667.4	OLGP-063 (0-6)	8/10/2000	O	Discrete	0	0.5	8.2	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-063	1129815.9	658667.4	OLGP-063 (12-18)	8/10/2000	O	Discrete	1	1.5	44	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-063	1129815.9	658667.4	OLGP-063 (24-30)	8/10/2000	O	Discrete	2	2.5	72	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-063	1129815.9	658667.4	OLGP-063 (42-48)	8/10/2000	O	Discrete	3.5	4	0.65	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-064	1129915.1	658684.2	OLGP-064 (0-6)	8/10/2000	O	Discrete	0	0.5	8.1	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-064	1129915.1	658684.2	OLGP-064 (12-18)	8/10/2000	O	Discrete	1	1.5	56	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-064	1129915.1	658684.2	OLGP-064 (24-30)	8/10/2000	O	Discrete	2	2.5	2.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-064	1129915.1	658684.2	OLGP-064 (36-42)	8/10/2000	O	Discrete	3	3.5	0.085 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-065	1129918.3	658783.0	OLGP-065 (0-6)	8/10/2000	O	Discrete	0	0.5	9.3	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-065	1129918.3	658783.0	OLGP-065 (12-18)	8/10/2000	O	Discrete	1	1.5	12	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-065	1129918.3	658783.0	OLGP-065 (24-30)	8/10/2000	O	Discrete	2	2.5	350	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-065	1129918.3	658783.0	OLGP-065 (30-36)	8/10/2000	O	Discrete	2.5	3	22	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-066	1129917.3	658877.8	OLGP-066 (0-6)	8/10/2000	O	Discrete	0	0.5	18	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-066	1129917.3	658877.8	OLGP-066 (12-18)	8/10/2000	O	Discrete	1	1.5	140	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Oxford Lake Park	C1E	C1-EU1	OLGP-066	1129917.3	658877.8	OLGP-066 (24-30)	8/10/2000	O	Discrete	2	2.5	2.4	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-066	1129917.3	658877.8	OLGP-066 (42-48)	8/10/2000	O	Discrete	3.5	4	0.087 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-069	1129915.5	659183.9	OLGP-069 (0-6)	8/11/2000	O	Discrete	0	0.5	3.9	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-069	1129915.5	659183.9	OLGP-069 (12-18)	8/11/2000	O	Discrete	1	1.5	1.3	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-069	1129915.5	659183.9	OLGP-069 (24-30)	8/11/2000	O	Discrete	2	2.5	0.085 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-069	1129915.5	659183.9	OLGP-069 (42-48)	8/11/2000	O	Discrete	3.5	4	0.082 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-074	1130015.4	659194.2	OLGP-074 (0-6)	8/11/2000	O	Discrete	0	0.5	4.9	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-074	1130015.4	659194.2	OLGP-074 (12-18)	8/11/2000	O	Discrete	1	1.5	0.68	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-074	1130015.4	659194.2	OLGP-074 (24-30)	8/11/2000	O	Discrete	2	2.5	0.14	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-074	1130015.4	659194.2	OLGP-074 (42-44)	8/11/2000	O	Discrete	3.5	3.7	0.14	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-077	1130020.3	658895.5	OLGP-077 (0-6)	8/11/2000	O	Discrete	0	0.5	7.0	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-077	1130020.3	658895.5	OLGP-077 (12-18)	8/11/2000	O	Discrete	1	1.5	15	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-077	1130020.3	658895.5	OLGP-077 (24-30)	8/11/2000	O	Discrete	2	2.5	85	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-077	1130020.3	658895.5	OLGP-077 (42-48)	8/11/2000	O	Discrete	3.5	4	13	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-078	1130020.6	658792.4	OLGP-078 (0-6)	8/11/2000	O	Discrete	0	0.5	4.8	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-078	1130020.6	658792.4	OLGP-078 (12-18)	8/11/2000	O	Discrete	1	1.5	9.4	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-078	1130020.6	658792.4	OLGP-078 (24-32)	8/11/2000	O	Discrete	2	2.7	32	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-078	1130020.6	658792.4	OLGP-078 (42-48)	8/11/2000	O	Discrete	3.5	4	0.11	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-079	1130024.1	658692.9	OLGP-079 (0-6)	8/11/2000	O	Discrete	0	0.5	2.1	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-079	1130024.1	658692.9	OLGP-079 (12-18)	8/11/2000	O	Discrete	1	1.5	8.4	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-079	1130024.1	658692.9	OLGP-079 (24-30)	8/11/2000	O	Discrete	2	2.5	24	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-079	1130024.1	658692.9	OLGP-079 (42-48)	8/11/2000	O	Discrete	3.5	4	1.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-080	1130116.6	659207.4	OLGP-080 (0-6)	8/11/2000	O	Discrete	0	0.5	3.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-080	1130116.6	659207.4	OLGP-080 (12-18)	8/11/2000	O	Discrete	1	1.5	1.1	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-080	1130116.6	659207.4	OLGP-080 (12-18) DUP	8/11/2000	FD	Discrete	1	1.5	0.83	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-080	1130116.6	659207.4	OLGP-080 (24-30)	8/11/2000	O	Discrete	2	2.5	0.087 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-080	1130116.6	659207.4	OLGP-080 (42-48)	8/11/2000	O	Discrete	3.5	4	0.083 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-083	1130214.8	659404.5	OLGP-083 (0-6)	8/11/2000	O	Discrete	0	0.5	4.0	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-083	1130214.8	659404.5	OLGP-083 (12-18)	8/11/2000	O	Discrete	1	1.5	2.2	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-083	1130214.8	659404.5	OLGP-083 (24-30)	8/11/2000	O	Discrete	2	2.5	9.8	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-083	1130214.8	659404.5	OLGP-083 (32-38)	8/11/2000	O	Discrete	2.7	3.2	0.082 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-084	1130212.3	659306.1	OLGP-084 (0-6)	8/11/2000	O	Discrete	0	0.5	14	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-084	1130212.3	659306.1	OLGP-084 (0-6) DUP	8/11/2000	FD	Discrete	0	0.5	15	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-084	1130212.3	659306.1	OLGP-084 (12-18)	8/11/2000	O	Discrete	1	1.5	19	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-084	1130212.3	659306.1	OLGP-084 (24-30)	8/11/2000	O	Discrete	2	2.5	0.084 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-084	1130212.3	659306.1	OLGP-084 (42-48)	8/11/2000	O	Discrete	3.5	4	0.084 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-121	1130295.0	659801.5	OLGP-121 (0-3)	8/25/2000	O	Discrete	0	0.25	0.075 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-141	1130278.8	660088.4	OLGP-141 (0-3)	8/25/2000	O	Discrete	0	0.25	0.057	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-141	1130278.8	660088.4	OLGP-141 (12-18)	8/25/2000	O	Discrete	1	1.5	0.20	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-143	1130206.4	659945.4	OLGP-143 (0-3)	8/28/2000	O	Discrete	0	0.25	0.037	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-144	1130285.1	660008.7	OLGP-144 (0-3)	8/28/2000	O	Discrete	0	0.25	0.074 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-144	1130285.1	660008.7	OLGP-144 (24-30)	8/25/2000	O	Discrete	2	2.5	3.1	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-144	1130285.1	660008.7	OLGP-144 (36-42)	8/25/2000	O	Discrete	3	3.5	7.2	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-145	1130351.4	660083.8	OLGP-145 (0-3)	8/28/2000	O	Discrete	0	0.25	0.22	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-145	1130351.4	660083.8	OLGP-145 (0-3) DUP	8/28/2000	FD	Discrete	0	0.25	0.21	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Oxford Lake Park	C1E	C1-EU1	OLGP-146	1130424.7	660014.5	OLGP-146 (0-3)	8/28/2000	O	Discrete	0	0.25	0.10	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-147	1130356.1	659941.8	OLGP-147 (0-3)	8/28/2000	O	Discrete	0	0.25	0.19	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-147	1130356.1	659941.8	OLGP-147 (24-30)	8/25/2000	O	Discrete	2	2.5	5.6	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-147	1130356.1	659941.8	OLGP-147 (30-36)	8/25/2000	O	Discrete	2.5	3	2.4	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-148	1130286.5	659870.9	OLGP-148 (0-3)	8/28/2000	O	Discrete	0	0.25	0.080 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-149	1130360.4	659804.3	OLGP-149 (0-3)	8/28/2000	O	Discrete	0	0.25	0.078 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-150	1130429.7	659874.8	OLGP-150 (0-3)	8/28/2000	O	Discrete	0	0.25	0.84	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-150	1130429.7	659874.8	OLGP-150 (30-36)	8/28/2000	O	Discrete	2.5	3	0.19	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLGP-150	1130429.7	659874.8	OLGP-150 (30-36) DUP	8/28/2000	FD	Discrete	2.5	3	0.36	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-001	1129976.1	658693.5	OLHA-001 (0-6)	6/23/2000	O	Discrete	0	0.5	9.2	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-001	1129976.1	658693.5	OLHA-001 (12-18)	6/23/2000	O	Discrete	1	1.5	38	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-002	1129856.1	658678.9	OLHA-002 (0-6)	6/23/2000	O	Discrete	0	0.5	8.7	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-002	1129856.1	658678.9	OLHA-002 (12-18)	6/23/2000	O	Discrete	1	1.5	110	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-003	1129966.1	658832.3	OLHA-003 (0-6)	6/23/2000	O	Discrete	0	0.5	16	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-003	1129966.1	658832.3	OLHA-003 (12-18)	6/23/2000	O	Discrete	1	1.5	34	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-004	1129865.9	658837.7	OLHA-004 (0-6)	6/23/2000	O	Discrete	0	0.5	18	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-004	1129865.9	658837.7	OLHA-004 (12-18)	6/23/2000	O	Discrete	1	1.5	220	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-010	1129796.7	659210.6	OLHA-010 (0-6)	6/29/2000	O	Discrete	0	0.5	8.7	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-012	1129925.8	659654.1	OLHA-012 (0-6)	6/29/2000	O	Discrete	0	0.5	0.074 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-016	1130359.2	660023.3	OLHA-016 (0-6)	6/29/2000	O	Discrete	0	0.5	0.25	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-019	1130307.5	660269.8	OLHA-019 (0-6)	6/29/2000	O	Discrete	0	0.5	12	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-019	1130307.5	660269.8	OLHA-019 (12-15)	6/30/2000	O	Discrete	1	1.25	0.68	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-020	1130171.6	660673.1	OLHA-020 (0-6)	6/29/2000	O	Discrete	0	0.5	0.078 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-020	1130171.6	660673.1	OLHA-020 (12-18)	6/29/2000	O	Discrete	1	1.5	0.075 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-021	1130031.1	660668.4	OLHA-021 (0-6)	6/29/2000	O	Discrete	0	0.5	0.077 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-022	1130323.8	660675.4	OLHA-022 (0-6)	6/29/2000	O	Discrete	0	0.5	0.093 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-023	1130181.0	660448.2	OLHA-023 (0-6)	6/30/2000	O	Discrete	0	0.5	0.074 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-023	1130181.0	660448.2	OLHA-023 (12-18)	6/30/2000	O	Discrete	1	1.5	0.076 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-024	1130082.6	660502.1	OLHA-024 (0-6)	6/30/2000	O	Discrete	0	0.5	0.075 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-025	1130328.5	660436.5	OLHA-025 (0-6)	6/30/2000	O	Discrete	0	0.5	0.077 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-026	1130169.2	660823.0	OLHA-026 (0-6)	6/30/2000	O	Discrete	0	0.5	0.076 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-026	1130169.2	660823.0	OLHA-026 (12-18)	6/30/2000	O	Discrete	1	1.5	0.086 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-027	1130066.2	660799.5	OLHA-027 (0-6)	6/30/2000	O	Discrete	0	0.5	0.079 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-028	1130326.2	660818.3	OLHA-028 (0-6)	6/30/2000	O	Discrete	0	0.5	0.083 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-031	1129895.5	659754.4	OLHA-031 (0-3)	8/23/2000	O	Discrete	0	0.25	0.35	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-068	1130330.7	659769.7	OLHA-068 (0-3)	8/25/2000	O	Discrete	0	0.25	0.040	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-069	1130248.7	659816.5	OLHA-069 (0-3)	8/25/2000	O	Discrete	0	0.25	3.1	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-070	1130224.2	659840.2	OLHA-070 (0-3)	8/25/2000	O	Discrete	0	0.25	1.0	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-071	1130246.9	659860.6	OLHA-071 (0-3)	8/25/2000	O	Discrete	0	0.25	0.90	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-072	1130270.7	659836.8	OLHA-072 (0-3)	8/25/2000	O	Discrete	0	0.25	0.35	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-091	1130312.8	660125.3	OLHA-091 (0-3)	8/25/2000	O	Discrete	0	0.25	0.071 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-092	1130222.5	660070.1	OLHA-092 (0-3)	8/25/2000	O	Discrete	0	0.25	0.63	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-093	1130240.4	660094.4	OLHA-093 (0-3)	8/25/2000	O	Discrete	0	0.25	0.98	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-103	1130254.0	659992.7	OLHA-103 (0-3)	8/28/2000	O	Discrete	0	0.25	0.072 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-104	1130295.9	659952.3	OLHA-104 (0-3)	8/28/2000	O	Discrete	0	0.25	0.073 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Oxford Lake Park	C1E	C1-EU1	OLHA-105	1130257.2	659902.4	OLHA-105 (0-3)	8/28/2000	O	Discrete	0	0.25	0.073 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-106	1130256.2	659949.1	OLHA-106 (0-3)	8/28/2000	O	Discrete	0	0.25	0.070 U	NA	NA
Oxford Lake Park	C1E	C1-EU1	OLHA-137	1129808.1	659974.0	OLHA-137 (0-8)	9/15/2000	O	Discrete	0	0.67	3.0	NA	NA
Phase 2 Eco Soil	C2B	C2N-EU2	EUT-01-09	1128553.1	659805.7	C72539	9/16/2009	O	Discrete	0	0.5	0.043 U	NA	0.051
Phase 2 Eco Soil	C2B	C2N-EU2	EUT-01-10	1128420.6	659797.8	C72540	9/16/2009	O	Discrete	0	0.5	0.044 U	NA	0.069
Phase 2 Eco Soil	C2B	C2N-EU2	EUT-02-11	1128369.2	659411.3	C72541	9/16/2009	O	Discrete	0	0.5	0.044 U	NA	0.070
Phase 2 Eco Soil	C2B	C2N-EU2	EUT-02-12	1128494.3	659420.8	C72542	9/16/2009	O	Discrete	0	0.5	0.041 U	NA	0.097
Phase 2 Eco Soil	C2B	C2N-EU2	EUT-03-13	1127904.3	659276.0	C72543	9/16/2009	O	Discrete	0	0.5	0.044 U	NA	0.068
Phase 2 Eco Soil	C2B	C2N-EU2	EUT-03-13	1127904.3	659276.0	C72544	9/16/2009	FD	Discrete	0	0.5	0.043 U	NA	0.079
Phase 2 Eco Soil	C2B	C2N-EU2	EUT-03-14	1127949.6	659343.8	C72545	9/16/2009	O	Discrete	0	0.5	0.046 U	NA	0.085
Phase 2 Eco Soil	C3N	C3N-EU1	EUT-04-07	1125759.4	657316.0	C72546	9/16/2009	O	Discrete	0	0.5	3.4	NA	2.0
Phase 2 Eco Soil	C3N	C3N-EU1	EUT-04-08	1125797.7	657333.4	C72547	9/16/2009	O	Discrete	0	0.5	2.6	0.01923	2.4
Phase 2 Eco Soil	C3N	C3N-EU1	EUT-05-05	1123875.2	655571.5	C72548	9/16/2009	O	Discrete	0	0.5	9.7	NA	2.2
Phase 2 Eco Soil	C3N	C3N-EU1	EUT-05-06	1123804.3	655512.0	C72549	9/16/2009	O	Discrete	0	0.5	5.6	NA	1.7
Phase 2 Eco Soil	C3N	C3N-EU1	EUT-06-03	1123022.8	653485.7	C72550	9/16/2009	O	Discrete	0	0.5	7.9	NA	2.0
Phase 2 Eco Soil	C3N	C3N-EU1	EUT-06-04	1123028.4	653583.6	C72551	9/16/2009	O	Discrete	0	0.5	6.6	NA	1.6
Phase 2 Eco Soil	C3N	C3N-EU2	EUT-07-01	1123480.9	653239.9	C72552	9/16/2009	O	Discrete	0	0.5	3.9	0.0224	0.29
Phase 2 Eco Soil	C3N	C3N-EU2	EUT-07-02	1123484.7	653190.2	C72553	9/16/2009	O	Discrete	0	0.5	2.1	NA	2.6
Phase 2 Eco Soil	C4S	C4S-EU1	EUT-08-49	1121860.9	650156.0	C72554	9/18/2009	O	Discrete	0	0.5	6.2	NA	3.3
Phase 2 Eco Soil	C4S	C4S-EU1	EUT-08-50	1121907.6	650111.0	C72555	9/18/2009	O	Discrete	0	0.5	25	NA	6.9
Phase 2 Eco Soil	C4S	C4S-EU1	EUT-09-51	1120111.4	648497.2	C72556	9/18/2009	O	Discrete	0	0.5	2.7	0.01583	1.2
Phase 2 Eco Soil	C4S	C4S-EU1	EUT-09-51b	1120148.6	648488.4	C72557	9/18/2009	O	Discrete	0	0.5	1.4	NA	0.67
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-01-25	1114030.1	623790.0	C72520	9/17/2009	O	Discrete	0	0.5	0.038 U	NA	0.036 J
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-01-26	1113957.6	623769.7	C72521	9/17/2009	O	Discrete	0	0.5	0.037 U	NA	0.017 J
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-02-17	1116077.6	621160.9	C72522	9/16/2009	O	Discrete	0	0.5	0.41	NA	0.67 J
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-02-17	1116077.6	621160.9	C72523	9/16/2009	FD	Discrete	0	0.5	0.28	NA	0.70
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-02-18	1116153.4	621127.4	C72524	9/16/2009	O	Discrete	0	0.5	0.37	0.0036	0.43
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-03-15	1115775.0	622428.1	C72525	9/16/2009	O	Discrete	0	0.5	0.036 U	NA	0.021 B
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-03-16	1115822.6	622355.7	C72526	9/16/2009	O	Discrete	0	0.5	0.037 U	NA	0.039
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-04-19	1116485.1	623102.2	C72527	9/17/2009	O	Discrete	0	0.5	0.33	NA	0.44
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-04-20	1116594.4	623099.1	C72528	9/17/2009	O	Discrete	0	0.5	0.19	NA	0.24 J
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-05-21	1116694.9	622501.6	C72529	9/17/2009	O	Discrete	0	0.5	5.9	NA	0.70 J
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-05-22	1116751.0	622470.6	C72530	9/17/2009	O	Discrete	0	0.5	5.6	NA	2.9 J
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-06-23	1117136.7	622528.9	C72531	9/17/2009	O	Discrete	0	0.5	0.075	NA	0.19 J
Phase 2 Eco Soil	C5N	C5N-EU2	EMT-06-24	1117216.4	622498.1	C72532	9/17/2009	O	Discrete	0	0.5	0.042 U	NA	0.10 J
Phase 2 Eco Soil	C5S	C5S-EU1	EMT-07-27	1116902.4	621298.0	C72533	9/17/2009	O	Discrete	0	0.5	0.23	NA	0.25 J
Phase 2 Eco Soil	C5S	C5S-EU1	EMT-07-28	1116930.7	621228.3	C72534	9/17/2009	O	Discrete	0	0.5	1.4	NA	0.53 J
Phase 2 Eco Soil	C5S	C5S-EU1	EMT-08-29	1115762.2	619658.8	C72535	9/17/2009	O	Discrete	0	0.5	1.3	0.0067	0.93 J
Phase 2 Eco Soil	C5S	C5S-EU1	EMT-08-30	1115757.0	619703.4	C72536	9/17/2009	O	Discrete	0	0.5	1.6	0.011	1.1 J
Phase 2 Eco Soil	C5S	C5S-EU1	EMT-09-31	1114367.8	617418.8	C72537	9/17/2009	O	Discrete	0	0.5	0.36	NA	0.55 J
Phase 2 Eco Soil	C5S	C5S-EU1	EMT-09-32	1114341.8	617360.1	C72538	9/17/2009	O	Discrete	0	0.5	0.19	NA	0.26 J
Phase 2 Eco Soil	C7N	C7N-EU1	ELT-02-38	1109737.3	604777.9	C72505	9/17/2009	O	Discrete	0	0.5	0.040 U	NA	0.088 J
Phase 2 Eco Soil	C7N	C7N-EU1	ELT-08-33	1111227.6	601254.8	C72516	9/17/2009	O	Discrete	0	0.5	0.059	NA	0.17 J
Phase 2 Eco Soil	C7N	C7N-EU1	ELT-08-34	1111186.8	601238.5	C72517	9/17/2009	O	Discrete	0	0.5	0.082	NA	0.21 J
Phase 2 Eco Soil	C7N	C7N-EU1	ELT-09-35	1110906.0	598821.3	C72518	9/17/2009	O	Discrete	0	0.5	0.11	NA	0.15 J

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Phase 2 Eco Soil	C7N	C7N-EU1	ELT-09-36	1110949.1	598782.2	C72519	9/17/2009	O	Discrete	0	0.5	0.14 J	NA	0.16 J
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-01-39	1109306.0	605204.5	C72501	9/17/2009	O	Discrete	0	0.5	0.043	NA	0.11
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-01-39	1109306.0	605204.5	C72502	9/17/2009	FD	Discrete	0	0.5	0.037 U	NA	0.10
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-01-40	1109298.2	605268.3	C72503	9/17/2009	O	Discrete	0	0.5	0.037 U	NA	0.058
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-02-37	1109568.1	604478.1	C72504	9/17/2009	O	Discrete	0	0.5	0.039 U	NA	0.089 J
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-03-41	1112093.4	601863.0	C72506	9/17/2009	O	Discrete	0	0.5	0.041 U	NA	0.087
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-03-42	1112049.0	601899.0	C72507	9/17/2009	O	Discrete	0	0.5	0.040 U	NA	0.082
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-04-43	1112300.8	601665.3	C72508	9/18/2009	O	Discrete	0	0.5	0.038 U	NA	0.043
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-04-44	1112285.5	601741.3	C72509	9/18/2009	O	Discrete	0	0.5	0.041 U	NA	0.15
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-05-45	1113258.9	601237.1	C72510	9/18/2009	O	Discrete	0	0.5	2.0	NA	1.1
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-05-46	1113222.1	601290.7	C72511	9/18/2009	O	Discrete	0	0.5	5.0	NA	2.0
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-06-47	1113230.0	600900.3	C72512	9/18/2009	O	Discrete	0	0.5	2.7	NA	1.2
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-06-48	1113201.1	600831.7	C72513	9/18/2009	O	Discrete	0	0.5	2.6	NA	0.74
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-07-54	1112006.6	601290.8	C72514	9/18/2009	O	Discrete	0	0.5	9.2	NA	8.4
Phase 2 Eco Soil	C7S	C7S-EU1	ELT-07-55	1112046.0	601260.5	C72515	9/18/2009	O	Discrete	0	0.5	5.3	0.049	7.6
RFI Soil	C2B	C2N-EU2	C-FP01-C1	1128780.1	659691.7	C70294	8/21/2001	O	Discrete	0	0.5	0.086 U	NA	0.062
RFI Soil	C2B	C2N-EU2	C-FP01-C1	1128780.1	659691.7	C70295	8/21/2001	O	Discrete	0.5	1	0.086 U	NA	0.068
RFI Soil	C2B	C2N-EU2	C-FP01-C1	1128780.1	659691.7	C70296	8/21/2001	O	Discrete	1	2	0.087 U	NA	0.055
RFI Soil	C2B	C2N-EU2	C-FP01-C2	1128598.7	659818.8	C70297	8/21/2001	O	Discrete	0	0.5	0.087 U	NA	0.071
RFI Soil	C2B	C2N-EU2	C-FP01-C2	1128598.7	659818.8	C70298	8/21/2001	O	Discrete	0.5	1	0.084 U	NA	0.054
RFI Soil	C2B	C2N-EU2	C-FP01-C3	1128441.8	659976.3	C70299	8/21/2001	O	Discrete	0	0.5	0.090 U	NA	0.074 J
RFI Soil	C2B	C2N-EU2	C-FP01-C3	1128441.8	659976.3	C70300	8/21/2001	O	Discrete	0.5	1	0.086 U	NA	0.056 J
RFI Soil	C2B	C2N-EU2	C-FP01-C4	1128300.1	660144.5	C70289	8/21/2001	O	Discrete	0	0.5	0.080 U	NA	0.048
RFI Soil	C2B	C2N-EU2	C-FP01-C4	1128300.1	660144.5	C70290	8/21/2001	O	Discrete	0.5	1	0.081 U	NA	0.049
RFI Soil	C2B	C2N-EU2	C-FP01-C4	1128300.1	660144.5	C70317	8/21/2001	FD	Discrete	0.5	1	0.080 U	NA	0.052
RFI Soil	C2B	C2N-EU2	C-FP01-C5	1128128.8	660342.7	C70287	8/21/2001	O	Discrete	0	0.5	0.087 U	NA	0.042
RFI Soil	C2B	C2N-EU2	C-FP01-C5	1128128.8	660342.7	C70288	8/21/2001	O	Discrete	0.5	1	0.084 U	NA	0.039
RFI Soil	C2B	C2N-EU2	C-FP01-C6	1127957.5	660540.9	C70285	8/21/2001	O	Discrete	0	0.5	0.086 U	NA	0.043 J
RFI Soil	C2B	C2N-EU2	C-FP01-C6	1127957.5	660540.9	C70286	8/21/2001	O	Discrete	0.5	1	0.083 U	NA	0.035 J
RFI Soil	C2B	C2N-EU2	C-FP01-C7	1127786.2	660739.2	C70303	8/21/2001	O	Discrete	0	0.5	0.085 U	NA	0.044 J
RFI Soil	C2B	C2N-EU2	C-FP01-C7	1127786.2	660739.2	C70304	8/21/2001	O	Discrete	0.5	1	0.083 U	NA	0.032 J
RFI Soil	C2B	C2N-EU2	C-FP01-C8	1127622.6	660949.2	C70301	8/21/2001	O	Discrete	0	0.5	0.082 U	NA	0.055 J
RFI Soil	C2B	C2N-EU2	C-FP01-C8	1127622.6	660949.2	C70302	8/21/2001	O	Discrete	0.5	1	0.081 U	NA	0.040 J
RFI Soil	C2B	C2N-EU2	C-FP01-C9	1127441.9	661137.6	C70291	8/21/2001	O	Discrete	0	0.5	0.084 U	NA	0.052
RFI Soil	C2B	C2N-EU2	C-FP01-C9	1127441.9	661137.6	C70292	8/21/2001	O	Discrete	0.5	1	0.081 U	NA	0.035
RFI Soil	C2B	C2N-EU2	C-FP01-C9	1127441.9	661137.6	C70293	8/21/2001	O	Discrete	1	2	0.080 U	NA	0.023
RFI Soil	C2N	C2N-EU1	C-FP01-N1	1128834.4	659509.5	C70282	8/20/2001	O	Discrete	0	0.5	0.090 U	NA	0.062
RFI Soil	C2N	C2N-EU1	C-FP01-N1	1128834.4	659509.5	C70283	8/20/2001	O	Discrete	0.5	1	0.18	NA	0.11
RFI Soil	C2N	C2N-EU1	C-FP01-N1	1128834.4	659509.5	C70284	8/20/2001	O	Discrete	1	2	0.18	NA	0.083 J
RFI Soil	C2N	C2N-EU1	C-FP01-N2	1129016.0	659292.2	C70278	8/20/2001	O	Discrete	0	0.5	1.3	NA	0.54
RFI Soil	C2N	C2N-EU1	C-FP01-N2	1129016.0	659292.2	C70279	8/20/2001	O	Discrete	0.5	1	0.082 U	NA	0.066
RFI Soil	C2S	C2S-EU1	C-FP01-S1	1127365.9	661221.2	C70265	8/20/2001	O	Discrete	0	0.5	0.085 U	NA	0.059
RFI Soil	C2S	C2S-EU1	C-FP01-S1	1127365.9	661221.2	C70266	8/20/2001	O	Discrete	0.5	1	0.083 U	NA	0.063
RFI Soil	C2S	C2S-EU1	C-FP01-S1	1127365.9	661221.2	C70267	8/20/2001	O	Discrete	1	2	0.080 U	NA	0.050
RFI Soil	C2S	C2S-EU1	C-FP01-S2	1127216.1	661407.0	C70268	8/20/2001	O	Discrete	0	0.5	0.087 U	NA	0.056

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RFI Soil	C2S	C2S-EU1	C-FP01-S2	1127216.1	661407.0	C70269	8/20/2001	O	Discrete	0.5	1	0.081 U	NA	0.033
RFI Soil	C2S	C2S-EU1	C-FP01-S2	1127216.1	661407.0	C70315	8/20/2001	FD	Discrete	0.5	1	0.080 U	NA	0.030
RFI Soil	C2S	C2S-EU1	C-FP01-S3	1127030.4	661638.0	C70270	8/20/2001	O	Discrete	0	0.5	0.080 U	NA	0.032
RFI Soil	C2S	C2S-EU1	C-FP01-S3	1127030.4	661638.0	C70271	8/20/2001	O	Discrete	0.5	1	0.082 U	NA	0.034
RFI Soil	C2S	C2S-EU1	C-FP01-S4	1126897.5	661757.4	C70272	8/20/2001	O	Discrete	0	0.5	0.076 U	NA	0.039
RFI Soil	C2S	C2S-EU1	C-FP01-S4	1126897.5	661757.4	C70273	8/20/2001	O	Discrete	0.5	1	0.077 U	NA	0.034
RFI Soil	C2S	C2S-EU1	C-FP01-S5	1126747.9	661963.3	C70274	8/20/2001	O	Discrete	0	0.5	0.077 U	NA	0.035
RFI Soil	C2S	C2S-EU1	C-FP01-S5	1126747.9	661963.3	C70275	8/20/2001	O	Discrete	0.5	1	0.077 U	NA	0.028
RFI Soil	C2S	C2S-EU1	C-FP01-S6	1126592.0	662147.2	C70276	8/20/2001	O	Discrete	0	0.5	0.073 U	NA	0.032
RFI Soil	C2S	C2S-EU1	C-FP01-S6	1126592.0	662147.2	C70277	8/20/2001	O	Discrete	0.5	1	0.071 U	NA	0.031
RFI Soil	C3N	C3N-EU1	C-FP02-N1	1125647.3	657258.0	C70247	8/15/2001	O	Discrete	0	0.5	1.8	NA	0.93
RFI Soil	C3N	C3N-EU1	C-FP02-N1	1125647.3	657258.0	C70248	8/15/2001	O	Discrete	0.5	1	6.3	NA	1.5
RFI Soil	C3N	C3N-EU1	C-FP02-N1	1125647.3	657258.0	C70249	8/15/2001	O	Discrete	1	2	8.1	NA	2.1
RFI Soil	C3N	C3N-EU1	C-FP02-N2	1125822.1	657085.1	C70250	8/15/2001	O	Discrete	0	0.5	14 J	NA	1.3
RFI Soil	C3N	C3N-EU1	C-FP02-N2	1125822.1	657085.1	C70251	8/15/2001	O	Discrete	0.5	1	14 J	NA	2.3
RFI Soil	C3N	C3N-EU1	C-FP02-N3	1125997.2	656911.9	C70252	8/15/2001	O	Discrete	0	0.5	27	NA	2.3
RFI Soil	C3N	C3N-EU1	C-FP02-N3	1125997.2	656911.9	C70253	8/15/2001	O	Discrete	0.5	1	48	NA	5.3
RFI Soil	C3N	C3N-EU1	C-FP02-N4	1126171.9	656739.0	C70254	8/15/2001	O	Discrete	0	0.5	32	NA	7.8
RFI Soil	C3N	C3N-EU1	C-FP02-N4	1126171.9	656739.0	C70255	8/15/2001	O	Discrete	0.5	1	18 J	NA	2.7
RFI Soil	C3S	C3S-EU1	C-FP02-S1	1124874.1	656628.7	C70256	8/16/2001	O	Discrete	0	0.5	79	NA	13 J
RFI Soil	C3S	C3S-EU1	C-FP02-S1	1124874.1	656628.7	C70257	8/16/2001	O	Discrete	0.5	1	8.3	NA	3.0 J
RFI Soil	C3S	C3S-EU1	C-FP02-S1	1124874.1	656628.7	C70258	8/16/2001	O	Discrete	1	2	0.36 J	NA	0.46 J
RFI Soil	C3S	C3S-EU1	C-FP02-S2	1124726.1	656848.0	C70259	8/16/2001	O	Discrete	0	0.5	0.082	NA	0.16 J
RFI Soil	C3S	C3S-EU1	C-FP02-S2	1124726.1	656848.0	C70260	8/16/2001	O	Discrete	0.5	1	0.083 U	NA	0.040 J
RFI Soil	C3S	C3S-EU1	C-FP02-S3	1124563.3	657010.8	C70261	8/16/2001	O	Discrete	0	0.5	0.084 U	NA	0.062 J
RFI Soil	C3S	C3S-EU1	C-FP02-S3	1124563.3	657010.8	C70262	8/16/2001	O	Discrete	0.5	1	0.083 U	NA	0.021 J
RFI Soil	C3S	C3S-EU1	C-FP02-S4	1124400.9	657173.6	C70263	8/16/2001	O	Discrete	0	0.5	0.080 U	NA	0.048 J
RFI Soil	C3S	C3S-EU1	C-FP02-S4	1124400.9	657173.6	C70264	8/16/2001	O	Discrete	0.5	1	0.077 U	NA	0.028 J
RFI Soil	C4N	C4N-EU1	C-FP04-N1	1119143.9	644818.1	C70206	8/14/2001	O	Discrete	0	0.5	3.5	NA	1.3
RFI Soil	C4N	C4N-EU1	C-FP04-N1	1119143.9	644818.1	C70207	8/14/2001	O	Discrete	0.5	1	2.2	NA	0.95
RFI Soil	C4N	C4N-EU1	C-FP04-N1	1119143.9	644818.1	C70208	8/14/2001	O	Discrete	1	2	3.4	NA	1.9
RFI Soil	C4N	C4N-EU1	C-FP04-N2	1119477.1	644817.9	C70209	8/14/2001	O	Discrete	0	0.5	0.80 J	NA	0.49
RFI Soil	C4N	C4N-EU1	C-FP04-N2	1119477.1	644817.9	C70210	8/14/2001	O	Discrete	0.5	1	0.23	NA	0.21
RFI Soil	C4N	C4N-EU1	C-FP04-N2	1119477.1	644817.9	C70211	8/14/2001	O	Discrete	1	2	0.28 J	NA	0.35
RFI Soil	C4N	C4N-EU1	C-FP04-N3	1119810.2	644817.9	C70212	8/14/2001	O	Discrete	0	0.5	1.2 J	NA	0.64
RFI Soil	C4N	C4N-EU1	C-FP04-N3	1119810.2	644817.9	C70213	8/14/2001	O	Discrete	0.5	1	0.14	NA	0.10
RFI Soil	C4N	C4N-EU1	C-FP04-N4	1120142.7	644818.0	C70214	8/14/2001	O	Discrete	0	0.5	0.14	NA	0.089
RFI Soil	C4N	C4N-EU1	C-FP04-N4	1120142.7	644818.0	C70215	8/14/2001	O	Discrete	0.5	1	0.088 U	NA	0.024 U
RFI Soil	C4N	C4N-EU1	C-FP04-N5	1120475.9	644818.1	C70216	8/14/2001	O	Discrete	0	0.5	0.37	NA	0.34
RFI Soil	C4N	C4N-EU1	C-FP04-N5	1120475.9	644818.1	C70217	8/14/2001	O	Discrete	0.5	1	0.52	NA	0.47
RFI Soil	C4N	C4N-EU1	C-FP04-N6	1120808.8	644817.7	C70218	8/14/2001	O	Discrete	0	0.5	0.43 J	NA	0.95
RFI Soil	C4N	C4N-EU1	C-FP04-N6	1120808.8	644817.7	C70219	8/14/2001	O	Discrete	0.5	1	0.088 U	NA	0.078
RFI Soil	C4N	C4N-EU1	C-FP04-N7	1121108.0	644820.5	C70220	8/14/2001	O	Discrete	0	0.5	0.090	NA	0.52
RFI Soil	C4N	C4N-EU1	C-FP04-N7	1121108.0	644820.5	C70221	8/14/2001	O	Discrete	0.5	1	0.093 U	NA	0.11
RFI Soil	C4N	C4N-EU1	C-FP04-N8	1121443.8	644817.8	C70222	8/14/2001	O	Discrete	0	0.5	0.066	NA	0.25

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RFI Soil	C4N	C4N-EU1	C-FP04-N8	1121443.8	644817.8	C70223	8/14/2001	O	Discrete	0.5	1	0.086 U	NA	0.071
RFI Soil	C4N	C4N-EU2	C-FP05-N1	1121763.6	634823.8	C70164	8/7/2001	O	Discrete	0	0.5	2.9	NA	0.98
RFI Soil	C4N	C4N-EU2	C-FP05-N1	1121763.6	634823.8	C70165	8/7/2001	O	Discrete	0.5	1	14	NA	3.9
RFI Soil	C4N	C4N-EU2	C-FP05-N1	1121763.6	634823.8	C70166	8/7/2001	O	Discrete	1	2	8.4	NA	5.4
RFI Soil	C4N	C4N-EU2	C-FP05-N2	1122018.8	634825.2	C70167	8/7/2001	O	Discrete	0	0.5	0.82	NA	0.67
RFI Soil	C4N	C4N-EU2	C-FP05-N2	1122018.8	634825.2	C70168	8/7/2001	O	Discrete	0.5	1	0.052	NA	0.088
RFI Soil	C4N	C4N-EU2	C-FP05-N3	1122272.5	634825.4	C70169	8/7/2001	O	Discrete	0	0.5	0.083 U	NA	0.046
RFI Soil	C4N	C4N-EU2	C-FP05-N3	1122272.5	634825.4	C70170	8/7/2001	O	Discrete	0.5	1	0.080 U	NA	0.045
RFI Soil	C4S	C4S-EU1	C-FP03-S1	1119540.6	647665.5	C70194	8/13/2001	O	Discrete	0	0.5	16 J	NA	7.8
RFI Soil	C4S	C4S-EU1	C-FP03-S1	1119540.6	647665.5	C70195	8/13/2001	O	Discrete	0.5	1	6.4	NA	1.3
RFI Soil	C4S	C4S-EU1	C-FP03-S1	1119540.6	647665.5	C70314	8/13/2001	FD	Discrete	0	0.5	21 J	NA	7.7
RFI Soil	C4S	C4S-EU1	C-FP03-S10	1120656.0	649051.1	C70204	8/13/2001	O	Discrete	0	0.5	9.3	NA	2.3
RFI Soil	C4S	C4S-EU1	C-FP03-S10	1120656.0	649051.1	C70205	8/13/2001	O	Discrete	0.5	1	51	NA	11
RFI Soil	C4S	C4S-EU1	C-FP03-S11	1120686.9	649242.6	C70241	8/14/2001	O	Discrete	0	0.5	9.7	NA	2.8
RFI Soil	C4S	C4S-EU1	C-FP03-S11	1120686.9	649242.6	C70242	8/14/2001	O	Discrete	0.5	1	0.73 J	NA	0.32
RFI Soil	C4S	C4S-EU1	C-FP03-S11	1120686.9	649242.6	C70313	8/14/2001	FD	Discrete	0	0.5	6.9	NA	2.4
RFI Soil	C4S	C4S-EU1	C-FP03-S12	1120713.6	649409.0	C70227	8/14/2001	O	Discrete	0	0.5	3.6 J	NA	1.2
RFI Soil	C4S	C4S-EU1	C-FP03-S12	1120713.6	649409.0	C70228	8/14/2001	O	Discrete	0.5	1	7.0	NA	2.3
RFI Soil	C4S	C4S-EU1	C-FP03-S12	1120713.6	649409.0	C70229	8/14/2001	O	Discrete	1	2	3.7 J	NA	2.9
RFI Soil	C4S	C4S-EU1	C-FP03-S13	1120726.1	649586.7	C70243	8/14/2001	O	Discrete	0	0.5	1.3 J	NA	0.51
RFI Soil	C4S	C4S-EU1	C-FP03-S13	1120726.1	649586.7	C70244	8/14/2001	O	Discrete	0.5	1	7.5 J	NA	1.5
RFI Soil	C4S	C4S-EU1	C-FP03-S14	1120699.6	649680.1	C70245	8/14/2001	O	Discrete	0	0.5	1.8	NA	1.9
RFI Soil	C4S	C4S-EU1	C-FP03-S15	1120770.1	649935.8	C70230	8/14/2001	O	Discrete	0	0.5	11	NA	5.5
RFI Soil	C4S	C4S-EU1	C-FP03-S15	1120770.1	649935.8	C70231	8/14/2001	O	Discrete	0.5	1	4.7 J	NA	1.4
RFI Soil	C4S	C4S-EU1	C-FP03-S2	1119728.5	647898.9	C70186	8/13/2001	O	Discrete	0	0.5	2.6 J	NA	1.6
RFI Soil	C4S	C4S-EU1	C-FP03-S2	1119728.5	647898.9	C70187	8/13/2001	O	Discrete	0.5	1	2.2 J	NA	0.96
RFI Soil	C4S	C4S-EU1	C-FP03-S3	1119854.9	648055.6	C70196	8/13/2001	O	Discrete	0	0.5	4.2 J	NA	2.2
RFI Soil	C4S	C4S-EU1	C-FP03-S3	1119854.9	648055.6	C70197	8/13/2001	O	Discrete	0.5	1	0.061	NA	0.087
RFI Soil	C4S	C4S-EU1	C-FP03-S3	1119854.9	648055.6	C70312	8/13/2001	FD	Discrete	0	0.5	4.8	NA	2.4
RFI Soil	C4S	C4S-EU1	C-FP03-S4	1119979.6	648212.2	C70188	8/13/2001	O	Discrete	0	0.5	5.2	NA	2.2
RFI Soil	C4S	C4S-EU1	C-FP03-S4	1119979.6	648212.2	C70189	8/13/2001	O	Discrete	0.5	1	0.82 J	NA	1.3
RFI Soil	C4S	C4S-EU1	C-FP03-S4	1119979.6	648212.2	C70190	8/13/2001	O	Discrete	1	2	2.2 J	NA	1.8
RFI Soil	C4S	C4S-EU1	C-FP03-S5	1120079.5	648335.7	C70198	8/13/2001	O	Discrete	0	0.5	3.8 J	NA	1.8
RFI Soil	C4S	C4S-EU1	C-FP03-S5	1120079.5	648335.7	C70199	8/13/2001	O	Discrete	0.5	1	0.086 U	NA	0.12
RFI Soil	C4S	C4S-EU1	C-FP03-S6	1120194.4	648479.7	C70191	8/13/2001	O	Discrete	0	0.5	7.5 J	NA	2.3
RFI Soil	C4S	C4S-EU1	C-FP03-S6	1120194.4	648479.7	C70192	8/13/2001	O	Discrete	0.5	1	5.8 J	NA	2.6
RFI Soil	C4S	C4S-EU1	C-FP03-S6	1120194.4	648479.7	C70193	8/13/2001	O	Discrete	1	2	5.2 J	NA	2.8
RFI Soil	C4S	C4S-EU1	C-FP03-S7	1120295.1	648586.0	C70200	8/13/2001	O	Discrete	0	0.5	35 J	NA	9.4
RFI Soil	C4S	C4S-EU1	C-FP03-S7	1120295.1	648586.0	C70201	8/13/2001	O	Discrete	0.5	1	4.4 J	NA	1.9
RFI Soil	C4S	C4S-EU1	C-FP03-S8	1120447.7	648797.1	C70224	8/14/2001	O	Discrete	0	0.5	4.7 J	NA	3.2
RFI Soil	C4S	C4S-EU1	C-FP03-S8	1120447.7	648797.1	C70225	8/14/2001	O	Discrete	0.5	1	1.2 J	NA	3.5
RFI Soil	C4S	C4S-EU1	C-FP03-S8	1120447.7	648797.1	C70226	8/14/2001	O	Discrete	1	2	4.1	NA	4.7
RFI Soil	C4S	C4S-EU1	C-FP03-S9	1120517.0	648876.1	C70202	8/13/2001	O	Discrete	0	0.5	20 J	NA	5.4
RFI Soil	C4S	C4S-EU1	C-FP03-S9	1120517.0	648876.1	C70203	8/13/2001	O	Discrete	0.5	1	56 J	NA	12
RFI Soil	C4S	C4S-EU2	C-FP04-S1	1118984.1	644818.0	C70232	8/14/2001	O	Discrete	0	0.5	5.7	NA	2.5

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RFI Soil	C4S	C4S-EU2	C-FP04-S1	1118984.1	644818.0	C70233	8/14/2001	O	Discrete	0.5	1	21	NA	10
RFI Soil	C4S	C4S-EU2	C-FP04-S1	1118984.1	644818.0	C70234	8/14/2001	O	Discrete	1	2	17	NA	16
RFI Soil	C4S	C4S-EU2	C-FP04-S2	1118690.0	644817.8	C70235	8/14/2001	O	Discrete	0	0.5	0.085 U	NA	0.075
RFI Soil	C4S	C4S-EU2	C-FP04-S2	1118690.0	644817.8	C70236	8/14/2001	O	Discrete	0.5	1	0.080 U	NA	0.025
RFI Soil	C4S	C4S-EU2	C-FP04-S3	1118396.1	644817.8	C70237	8/14/2001	O	Discrete	0	0.5	0.085 U	NA	0.024
RFI Soil	C4S	C4S-EU2	C-FP04-S3	1118396.1	644817.8	C70238	8/14/2001	O	Discrete	0.5	1	0.084 U	NA	0.023
RFI Soil	C4S	C4S-EU2	C-FP04-S4	1118103.0	644818.0	C70239	8/14/2001	O	Discrete	0	0.5	0.086 U	NA	0.026
RFI Soil	C4S	C4S-EU2	C-FP04-S4	1118103.0	644818.0	C70240	8/14/2001	O	Discrete	0.5	1	0.084 U	NA	0.023 U
RFI Soil	C4S	C4S-EU3	C-FP05-S1	1121609.1	634823.1	C70137	8/7/2001	O	Discrete	0	0.5	2.9	NA	1.2
RFI Soil	C4S	C4S-EU3	C-FP05-S1	1121609.1	634823.1	C70138	8/7/2001	O	Discrete	0.5	1	7.4	NA	2.8
RFI Soil	C4S	C4S-EU3	C-FP05-S1	1121609.1	634823.1	C70139	8/7/2001	O	Discrete	1	2	97	NA	25
RFI Soil	C4S	C4S-EU3	C-FP05-S10	1119107.0	634814.8	C70156	8/7/2001	O	Discrete	0	0.5	0.37	NA	0.57
RFI Soil	C4S	C4S-EU3	C-FP05-S10	1119107.0	634814.8	C70157	8/7/2001	O	Discrete	0.5	1	0.082	NA	0.11
RFI Soil	C4S	C4S-EU3	C-FP05-S11	1118828.7	634813.8	C70158	8/7/2001	O	Discrete	0	0.5	0.15	NA	0.37
RFI Soil	C4S	C4S-EU3	C-FP05-S11	1118828.7	634813.8	C70159	8/7/2001	O	Discrete	0.5	1	0.081 U	NA	0.086
RFI Soil	C4S	C4S-EU3	C-FP05-S12	1118551.0	634812.8	C70160	8/7/2001	O	Discrete	0	0.5	0.086 U	NA	0.040
RFI Soil	C4S	C4S-EU3	C-FP05-S12	1118551.0	634812.8	C70161	8/7/2001	O	Discrete	0.5	1	0.080 U	NA	0.029
RFI Soil	C4S	C4S-EU3	C-FP05-S13	1118269.9	634811.9	C70162	8/7/2001	O	Discrete	0	0.5	0.074 U	NA	0.030
RFI Soil	C4S	C4S-EU3	C-FP05-S13	1118269.9	634811.9	C70163	8/7/2001	O	Discrete	0.5	1	0.070 U	NA	0.022
RFI Soil	C4S	C4S-EU3	C-FP05-S2	1121331.4	634821.8	C70140	8/7/2001	O	Discrete	0	0.5	1.4 J	NA	2.0
RFI Soil	C4S	C4S-EU3	C-FP05-S2	1121331.4	634821.8	C70141	8/7/2001	O	Discrete	0.5	1	0.12	NA	0.22
RFI Soil	C4S	C4S-EU3	C-FP05-S3	1121053.0	634821.2	C70142	8/7/2001	O	Discrete	0	0.5	6.0	NA	3.7
RFI Soil	C4S	C4S-EU3	C-FP05-S3	1121053.0	634821.2	C70143	8/7/2001	O	Discrete	0.5	1	0.12	NA	0.23
RFI Soil	C4S	C4S-EU3	C-FP05-S4	1120775.0	634820.1	C70144	8/7/2001	O	Discrete	0	0.5	5.1	NA	4.0
RFI Soil	C4S	C4S-EU3	C-FP05-S4	1120775.0	634820.1	C70145	8/7/2001	O	Discrete	0.5	1	0.27	NA	0.18
RFI Soil	C4S	C4S-EU3	C-FP05-S5	1120496.8	634819.1	C70146	8/7/2001	O	Discrete	0	0.5	1.5	NA	0.85
RFI Soil	C4S	C4S-EU3	C-FP05-S5	1120496.8	634819.1	C70147	8/7/2001	O	Discrete	0.5	1	1.6 J	NA	0.92
RFI Soil	C4S	C4S-EU3	C-FP05-S6	1120218.9	634818.3	C70148	8/7/2001	O	Discrete	0	0.5	0.68 J	NA	1.0
RFI Soil	C4S	C4S-EU3	C-FP05-S6	1120218.9	634818.3	C70149	8/7/2001	O	Discrete	0.5	1	0.19	NA	0.20
RFI Soil	C4S	C4S-EU3	C-FP05-S7	1119941.0	634817.3	C70150	8/7/2001	O	Discrete	0	0.5	1.3	NA	1.0
RFI Soil	C4S	C4S-EU3	C-FP05-S7	1119941.0	634817.3	C70151	8/7/2001	O	Discrete	0.5	1	0.077 U	NA	0.045
RFI Soil	C4S	C4S-EU3	C-FP05-S8	1119662.3	634816.6	C70152	8/7/2001	O	Discrete	0	0.5	5.6	NA	1.6
RFI Soil	C4S	C4S-EU3	C-FP05-S8	1119662.3	634816.6	C70153	8/7/2001	O	Discrete	0.5	1	6.2 J	NA	2.0
RFI Soil	C4S	C4S-EU3	C-FP05-S9	1119385.0	634815.7	C70154	8/7/2001	O	Discrete	0	0.5	0.58	NA	0.61
RFI Soil	C4S	C4S-EU3	C-FP05-S9	1119385.0	634815.7	C70155	8/7/2001	O	Discrete	0.5	1	0.078 U	NA	0.059
RFI Soil	C5N	C5N-EU2	C-FP06-N1	1120302.4	630752.2	C70119	8/6/2001	O	Discrete	0	0.5	1.2	NA	0.63
RFI Soil	C5N	C5N-EU2	C-FP06-N1	1120302.4	630752.2	C70120	8/6/2001	O	Discrete	0.5	1	0.078 U	NA	0.083
RFI Soil	C5N	C5N-EU2	C-FP06-N1	1120302.4	630752.2	C70121	8/6/2001	O	Discrete	1	2	0.079 U	NA	0.083
RFI Soil	C5N	C5N-EU2	C-FP06-N2	1120555.5	630554.6	C70122	8/6/2001	O	Discrete	0	0.5	0.073 U	NA	0.062
RFI Soil	C5N	C5N-EU2	C-FP06-N2	1120555.5	630554.6	C70123	8/6/2001	O	Discrete	0.5	1	0.074 U	NA	0.053
RFI Soil	C5N	C5N-EU2	C-FP06-N3	1120809.2	630356.8	C70124	8/6/2001	O	Discrete	0	0.5	0.078 U	NA	0.066
RFI Soil	C5N	C5N-EU2	C-FP06-N3	1120809.2	630356.8	C70125	8/6/2001	O	Discrete	0.5	1	0.078 U	NA	0.054
RFI Soil	C5N	C5N-EU2	C-FP06-N4	1121062.6	630159.0	C70126	8/6/2001	O	Discrete	0	0.5	0.074 U	NA	0.069
RFI Soil	C5N	C5N-EU2	C-FP06-N4	1121062.6	630159.0	C70127	8/6/2001	O	Discrete	0.5	1	0.076 U	NA	0.060
RFI Soil	C5N	C5N-EU2	C-FP06-N5	1121316.1	629961.6	C70128	8/6/2001	O	Discrete	0	0.5	0.084 U	NA	0.10

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Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RFI Soil	C5N	C5N-EU2	C-FP06-N5	1121316.1	629961.6	C70129	8/6/2001	O	Discrete	0.5	1	0.080 U	NA	0.077
RFI Soil	C5N	C5N-EU2	C-FP06-N6	1121578.5	629772.8	C70130	8/6/2001	O	Discrete	0	0.5	0.080 U	NA	0.056
RFI Soil	C5N	C5N-EU2	C-FP06-N6	1121578.5	629772.8	C70131	8/6/2001	O	Discrete	0.5	1	0.078 U	NA	0.045
RFI Soil	C5N	C5N-EU2	C-FP06-N7	1121822.9	629565.2	C70132	8/6/2001	O	Discrete	0	0.5	0.081 U	NA	0.062
RFI Soil	C5N	C5N-EU2	C-FP06-N7	1121822.9	629565.2	C70133	8/6/2001	O	Discrete	0.5	1	0.081 U	NA	0.037
RFI Soil	C5N	C5N-EU2	C-FP07-N1	1116548.7	622592.9	C70106	8/4/2001	O	Discrete	0	0.5	3.9 J	NA	3.7
RFI Soil	C5N	C5N-EU2	C-FP07-N1	1116548.7	622592.9	C70107	8/4/2001	O	Discrete	0.5	1	0.14	NA	0.27
RFI Soil	C5N	C5N-EU2	C-FP07-N1	1116548.7	622592.9	C70108	8/4/2001	O	Discrete	1	2	0.064	NA	0.19
RFI Soil	C5N	C5N-EU2	C-FP07-N1	1116548.7	622592.9	C70309	8/4/2001	FD	Discrete	0.5	1	0.080	NA	0.15
RFI Soil	C5N	C5N-EU2	C-FP07-N2	1116537.9	622831.7	C70109	8/4/2001	O	Discrete	0	0.5	0.074 U	NA	0.23
RFI Soil	C5N	C5N-EU2	C-FP07-N2	1116537.9	622831.7	C70110	8/4/2001	O	Discrete	0.5	1	0.074 U	NA	0.12
RFI Soil	C5N	C5N-EU2	C-FP07-N3	1116538.0	623116.0	C70111	8/4/2001	O	Discrete	0	0.5	0.086	NA	0.38
RFI Soil	C5N	C5N-EU2	C-FP07-N3	1116538.0	623116.0	C70112	8/4/2001	O	Discrete	0.5	1	0.081 U	NA	0.073
RFI Soil	C5N	C5N-EU2	C-FP07-N4	1116537.7	623399.9	C70113	8/4/2001	O	Discrete	0	0.5	0.074	NA	0.19
RFI Soil	C5N	C5N-EU2	C-FP07-N4	1116537.7	623399.9	C70114	8/4/2001	O	Discrete	0.5	1	0.081 U	NA	0.13
RFI Soil	C5N	C5N-EU2	C-FP07-N5	1116538.0	623684.4	C70115	8/4/2001	O	Discrete	0	0.5	0.076 U	NA	0.063
RFI Soil	C5N	C5N-EU2	C-FP07-N5	1116538.0	623684.4	C70116	8/4/2001	O	Discrete	0.5	1	0.078 U	NA	0.059
RFI Soil	C5N	C5N-EU2	C-FP07-N6	1116538.0	623968.3	C70117	8/4/2001	O	Discrete	0	0.5	0.077 U	NA	0.053
RFI Soil	C5N	C5N-EU2	C-FP07-N6	1116538.0	623968.3	C70118	8/4/2001	O	Discrete	0.5	1	0.077 U	NA	0.050
RFI Soil	C5N	C5N-EU2	C-FP07-N7	1116538.0	624253.7	C70104	8/4/2001	O	Discrete	0	0.5	0.076 U	NA	0.045
RFI Soil	C5N	C5N-EU2	C-FP07-N7	1116538.0	624253.7	C70105	8/4/2001	O	Discrete	0.5	1	0.076 U	NA	0.067
RFI Soil	C5N	C5N-EU2	C-FP07-N7	1116538.0	624253.7	C70308	8/4/2001	FD	Discrete	0.5	1	0.076 U	NA	0.050
RFI Soil	C5N	C5N-EU2	C-FP11-01	1114610.3	617606.3	C70318	12/17/2001	O	Discrete	0	0.5	3.0	NA	1.2
RFI Soil	C5N	C5N-EU2	C-FP11-01	1114610.3	617606.3	C70319	12/17/2001	O	Discrete	0.5	1	1.7	NA	1.3
RFI Soil	C5N	C5N-EU2	C-FP11-01	1114610.3	617606.3	C70320	12/17/2001	O	Discrete	1	2	8.5 J	NA	5.1
RFI Soil	C5N	C5N-EU2	C-FP11-01	1114610.3	617606.3	C70321	12/17/2001	FD	Discrete	1	2	5.2 J	NA	5.8
RFI Soil	C5N	C5N-EU2	C-FP11-02	1114782.2	617608.1	C70322	12/17/2001	O	Discrete	0	0.5	0.076 U	NA	0.056
RFI Soil	C5N	C5N-EU2	C-FP11-02	1114782.2	617608.1	C70323	12/17/2001	O	Discrete	0.5	1	0.070 U	NA	0.019 U
RFI Soil	C5N	C5N-EU2	C-FP11-03	1115075.5	617606.6	C70324	12/17/2001	O	Discrete	0	0.5	0.086 U	NA	0.054
RFI Soil	C5N	C5N-EU2	C-FP11-03	1115075.5	617606.6	C70325	12/17/2001	O	Discrete	0.5	1	0.082 U	NA	0.035
RFI Soil	C5N	C5N-EU2	C-FP11-04	1115388.7	617614.3	C70326	12/17/2001	O	Discrete	0	0.5	0.42	NA	0.87
RFI Soil	C5N	C5N-EU2	C-FP11-04	1115388.7	617614.3	C70327	12/17/2001	O	Discrete	0.5	1	0.082 U	NA	0.16
RFI Soil	C5N	C5N-EU2	C-FP11-05	1115695.1	617617.5	C70328	12/17/2001	O	Discrete	0	0.5	0.086 U	NA	0.37
RFI Soil	C5N	C5N-EU2	C-FP11-05	1115695.1	617617.5	C70329	12/17/2001	O	Discrete	0.5	1	0.083 U	NA	0.078
RFI Soil	C5N	C5N-EU2	C-FP11-06	1115891.1	617616.2	C70330	12/17/2001	O	Discrete	0	0.5	0.085 U	NA	0.063
RFI Soil	C5N	C5N-EU2	C-FP11-06	1115891.1	617616.2	C70331	12/17/2001	O	Discrete	0.5	1	0.083 U	NA	0.026
RFI Soil	C5S	C5S-EU1	C-FP06-S1	1120190.7	630835.4	C70134	8/6/2001	O	Discrete	0	0.5	7.6	NA	3.8
RFI Soil	C5S	C5S-EU1	C-FP06-S1	1120190.7	630835.4	C70135	8/6/2001	O	Discrete	0.5	1	33 J	NA	11
RFI Soil	C5S	C5S-EU1	C-FP06-S1	1120190.7	630835.4	C70136	8/6/2001	O	Discrete	1	2	5.2	NA	2.3
RFI Soil	C5S	C5S-EU1	C-FP06-S2	1120009.0	630980.6	C70184	8/8/2001	O	Discrete	0	0.5	1.0	NA	0.65
RFI Soil	C5S	C5S-EU1	C-FP06-S2	1120009.0	630980.6	C70185	8/8/2001	FD	Discrete	0	0.5	0.082 U	NA	0.057
RFI Soil	C5S	C5S-EU1	C-FP06-S3	1119831.4	631122.2	C70182	8/8/2001	O	Discrete	0	0.5	1.1	NA	0.44
RFI Soil	C5S	C5S-EU1	C-FP06-S3	1119831.4	631122.2	C70183	8/8/2001	O	Discrete	0.5	1	0.085 U	NA	0.11
RFI Soil	C5S	C5S-EU1	C-FP07-S1	1115564.1	619318.7	C70171	8/8/2001	O	Discrete	0	0.5	1.8	NA	1.2
RFI Soil	C5S	C5S-EU1	C-FP07-S1	1115564.1	619318.7	C70172	8/8/2001	O	Discrete	0.5	1	0.18 J	NA	0.094

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RFI Soil	C5S	C5S-EU1	C-FP07-S1	1115564.1	619318.7	C70173	8/8/2001	O	Discrete	1	2	0.12	NA	0.095
RFI Soil	C5S	C5S-EU1	C-FP07-S1	1115564.1	619318.7	C70310	8/8/2001	FD	Discrete	0	0.5	1.7	NA	1.2
RFI Soil	C5S	C5S-EU1	C-FP07-S2	1115330.7	619383.0	C70174	8/8/2001	O	Discrete	0	0.5	0.078 U	NA	0.16
RFI Soil	C5S	C5S-EU1	C-FP07-S2	1115330.7	619383.0	C70175	8/8/2001	O	Discrete	0.5	1	0.044	NA	0.18
RFI Soil	C5S	C5S-EU1	C-FP07-S3	1115082.4	619452.6	C70176	8/8/2001	O	Discrete	0	0.5	0.078 U	NA	0.12
RFI Soil	C5S	C5S-EU1	C-FP07-S3	1115082.4	619452.6	C70177	8/8/2001	O	Discrete	0.5	1	0.078 U	NA	0.062
RFI Soil	C5S	C5S-EU1	C-FP07-S4	1114870.7	619527.8	C70180	8/8/2001	O	Discrete	0	0.5	1.3 J	NA	1.7
RFI Soil	C5S	C5S-EU1	C-FP07-S4	1114870.7	619527.8	C70181	8/8/2001	O	Discrete	0.5	1	0.079 U	NA	0.037
RFI Soil	C5S	C5S-EU1	C-FP07-S5	1114663.0	619652.8	C70178	8/8/2001	O	Discrete	0	0.5	0.082 U	NA	0.17
RFI Soil	C5S	C5S-EU1	C-FP07-S5	1114663.0	619652.8	C70179	8/8/2001	O	Discrete	0.5	1	0.074 U	NA	0.058
RFI Soil	C6N	C6N-EU1	C-FP08-N1	1113149.8	614609.7	C70065	8/1/2001	O	Discrete	0	0.5	2.4 J	NA	1.1 J
RFI Soil	C6N	C6N-EU1	C-FP08-N1	1113149.8	614609.7	C70066	8/1/2001	O	Discrete	0.5	1	1.3 J	NA	1.2 J
RFI Soil	C6N	C6N-EU1	C-FP08-N1	1113149.8	614609.7	C70067	8/1/2001	O	Discrete	1	2	0.15	NA	0.18 J
RFI Soil	C6N	C6N-EU1	C-FP08-N2	1113204.2	614612.7	C70070	8/1/2001	O	Discrete	0	0.5	0.078	NA	0.16 J
RFI Soil	C6N	C6N-EU1	C-FP08-N2	1113204.2	614612.7	C70071	8/1/2001	O	Discrete	0.5	1	0.076 U	NA	0.039 J
RFI Soil	C6N	C6N-EU1	C-FP08-N3	1113259.9	614615.7	C70068	8/1/2001	O	Discrete	0	0.5	0.074 U	NA	0.052 J
RFI Soil	C6N	C6N-EU1	C-FP08-N3	1113259.9	614615.7	C70069	8/1/2001	O	Discrete	0.5	1	0.073 U	NA	0.022 UJ
RFI Soil	C6S	C6S-EU1	C-FP08-S1	1112988.4	614600.7	C70072	8/1/2001	O	Discrete	0	0.5	1.4	NA	2.1 J
RFI Soil	C6S	C6S-EU1	C-FP08-S1	1112988.4	614600.7	C70073	8/1/2001	O	Discrete	0.5	1	0.64 J	NA	0.62 J
RFI Soil	C6S	C6S-EU1	C-FP08-S1	1112988.4	614600.7	C70074	8/1/2001	O	Discrete	1	2	0.076 U	NA	0.13 J
RFI Soil	C6S	C6S-EU1	C-FP08-S1	1112988.4	614600.7	C70306	8/1/2001	FD	Discrete	0	0.5	5.0 J	NA	2.3 J
RFI Soil	C6S	C6S-EU1	C-FP08-S2	1112909.5	614593.3	C70075	8/1/2001	O	Discrete	0	0.5	0.24	NA	0.36 J
RFI Soil	C6S	C6S-EU1	C-FP08-S2	1112909.5	614593.3	C70076	8/1/2001	O	Discrete	0.5	1	0.074 U	NA	0.049 J
RFI Soil	C6S	C6S-EU1	C-FP08-S3	1112827.8	614584.5	C70077	8/1/2001	O	Discrete	0	0.5	0.077 U	NA	0.071 J
RFI Soil	C6S	C6S-EU1	C-FP08-S3	1112827.8	614584.5	C70078	8/1/2001	O	Discrete	0.5	1	0.077 U	NA	0.047 J
RFI Soil	C7N	C7N-EU1	C-FP09-N1	1109517.6	605319.6	C70102	8/3/2001	O	Discrete	0	0.5	1.7	NA	2.2
RFI Soil	C7N	C7N-EU1	C-FP09-N1	1109517.6	605319.6	C70103	8/3/2001	O	Discrete	0.5	0.83	2.3	NA	3.4
RFI Soil	C7N	C7N-EU1	C-FP09-N2	1109652.9	605390.0	C70100	8/3/2001	O	Discrete	0	0.5	0.073 U	NA	0.055
RFI Soil	C7N	C7N-EU1	C-FP09-N2	1109652.9	605390.0	C70101	8/3/2001	O	Discrete	0.5	1	0.071 U	NA	0.033
RFI Soil	C7N	C7N-EU1	C-FP09-N2	1109652.9	605390.0	C70307	8/3/2001	FD	Discrete	0	0.5	0.074 U	NA	0.050
RFI Soil	C7N	C7N-EU1	C-FP09-N3	1109789.8	605449.0	C70098	8/3/2001	O	Discrete	0	0.5	0.077 U	NA	0.079
RFI Soil	C7N	C7N-EU1	C-FP09-N3	1109789.8	605449.0	C70099	8/3/2001	O	Discrete	0.5	1	0.075 U	NA	0.044
RFI Soil	C7N	C7N-EU1	C-FP10-N1	1112399.1	602107.5	C70041	7/31/2001	O	Discrete	0	0.5	0.072 U	NA	0.020 U
RFI Soil	C7N	C7N-EU1	C-FP10-N1	1112399.1	602107.5	C70042	7/31/2001	O	Discrete	0.5	1	0.073 U	NA	0.039
RFI Soil	C7N	C7N-EU1	C-FP10-N1	1112399.1	602107.5	C70043	7/31/2001	O	Discrete	1	2	0.073 U	NA	0.020 U
RFI Soil	C7N	C7N-EU1	C-FP10-N2	1112449.0	602389.1	C70044	7/31/2001	O	Discrete	0	0.5	0.080 U	NA	0.24
RFI Soil	C7N	C7N-EU1	C-FP10-N2	1112449.0	602389.1	C70045	7/31/2001	O	Discrete	0.5	1	0.078 U	NA	0.064
RFI Soil	C7N	C7N-EU1	C-FP10-N3	1112499.1	602670.7	C70054	7/31/2001	O	Discrete	0	0.5	0.074 U	NA	0.040
RFI Soil	C7N	C7N-EU1	C-FP10-N3	1112499.1	602670.7	C70055	7/31/2001	O	Discrete	0.5	1	0.076 U	NA	0.034
RFI Soil	C7N	C7N-EU1	C-FP10-N4	1112549.7	602952.2	C70052	7/31/2001	O	Discrete	0	0.5	0.079 U	NA	0.060
RFI Soil	C7N	C7N-EU1	C-FP10-N4	1112549.7	602952.2	C70053	7/31/2001	O	Discrete	0.5	1	0.080 U	NA	0.030
RFI Soil	C7N	C7N-EU1	C-FP10-N5	1112600.1	603234.1	C70050	7/31/2001	O	Discrete	0	0.5	0.077 U	NA	0.047
RFI Soil	C7N	C7N-EU1	C-FP10-N5	1112600.1	603234.1	C70051	7/31/2001	O	Discrete	0.5	1	0.077 U	NA	0.037
RFI Soil	C7N	C7N-EU1	C-FP10-N5	1112600.1	603234.1	C70305	7/31/2001	FD	Discrete	0.5	1	0.077 U	NA	0.035
RFI Soil	C7N	C7N-EU1	C-FP10-N6	1112650.3	603515.1	C70048	7/31/2001	O	Discrete	0	0.5	0.074 U	NA	0.051

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RFI Soil	C7N	C7N-EU1	C-FP10-N6	1112650.3	603515.1	C70049	7/31/2001	O	Discrete	0.5	1	0.073 U	NA	0.056
RFI Soil	C7N	C7N-EU1	C-FP10-N7	1112700.1	603794.8	C70046	7/31/2001	O	Discrete	0	0.5	0.074 U	NA	0.041
RFI Soil	C7N	C7N-EU1	C-FP10-N7	1112700.1	603794.8	C70047	7/31/2001	O	Discrete	0.5	1	0.076 U	NA	0.051
RFI Soil	C7S	C7S-EU1	C-FP09-S1	1109399.7	605259.4	C70095	8/3/2001	O	Discrete	0	0.5	0.40	NA	0.32
RFI Soil	C7S	C7S-EU1	C-FP09-S1	1109399.7	605259.4	C70096	8/3/2001	O	Discrete	0.5	1	0.099	NA	0.18
RFI Soil	C7S	C7S-EU1	C-FP09-S1	1109399.7	605259.4	C70097	8/3/2001	O	Discrete	1	2	0.20 J	NA	0.26
RFI Soil	C7S	C7S-EU1	C-FP09-S2	1109137.7	605132.8	C70093	8/3/2001	O	Discrete	0	0.5	0.073 U	NA	0.13
RFI Soil	C7S	C7S-EU1	C-FP09-S2	1109137.7	605132.8	C70094	8/3/2001	O	Discrete	0.5	1	0.074 U	NA	0.043
RFI Soil	C7S	C7S-EU1	C-FP09-S3	1108875.7	605005.8	C70091	8/3/2001	O	Discrete	0	0.5	0.072 U	NA	0.042
RFI Soil	C7S	C7S-EU1	C-FP09-S3	1108875.7	605005.8	C70092	8/3/2001	O	Discrete	0.5	1	0.074 U	NA	0.019 U
RFI Soil	C7S	C7S-EU1	C-FP09-S4	1108614.0	604878.9	C70089	8/3/2001	O	Discrete	0	0.5	0.073 U	NA	0.032
RFI Soil	C7S	C7S-EU1	C-FP09-S4	1108614.0	604878.9	C70090	8/3/2001	O	Discrete	0.5	1	0.075 U	NA	0.033
RFI Soil	C7S	C7S-EU1	C-FP09-S5	1108352.4	604752.1	C70087	8/2/2001	O	Discrete	0	0.5	0.078 U	NA	0.050
RFI Soil	C7S	C7S-EU1	C-FP09-S5	1108352.4	604752.1	C70088	8/2/2001	O	Discrete	0.5	1	0.078 U	NA	0.037
RFI Soil	C7S	C7S-EU1	C-FP09-S6	1108090.4	604625.1	C70085	8/2/2001	O	Discrete	0	0.5	0.074 U	NA	0.039
RFI Soil	C7S	C7S-EU1	C-FP09-S6	1108090.4	604625.1	C70086	8/2/2001	O	Discrete	0.5	1	0.073 U	NA	0.025
RFI Soil	C7S	C7S-EU1	C-FP09-S7	1107827.9	604497.7	C70083	8/2/2001	O	Discrete	0	0.5	0.080 U	NA	0.096
RFI Soil	C7S	C7S-EU1	C-FP09-S7	1107827.9	604497.7	C70084	8/2/2001	O	Discrete	0.5	1	0.079 U	NA	0.054
RFI Soil	C7S	C7S-EU1	C-FP09-S8	1107566.4	604371.2	C70081	8/2/2001	O	Discrete	0	0.5	0.076 U	NA	0.056
RFI Soil	C7S	C7S-EU1	C-FP09-S8	1107566.4	604371.2	C70082	8/2/2001	O	Discrete	0.5	1	0.074 U	NA	0.043
RFI Soil	C7S	C7S-EU1	C-FP09-S9	1107302.3	604243.2	C70079	8/2/2001	O	Discrete	0	0.5	0.074 U	NA	0.036
RFI Soil	C7S	C7S-EU1	C-FP09-S9	1107302.3	604243.2	C70080	8/2/2001	O	Discrete	0.5	1	0.078 U	NA	0.039
RFI Soil	C7S	C7S-EU1	C-FP10-S1	1112367.5	601848.6	C70062	7/31/2001	O	Discrete	0	0.5	2.1	NA	3.1 J
RFI Soil	C7S	C7S-EU1	C-FP10-S1	1112367.5	601848.6	C70063	7/31/2001	O	Discrete	0.5	1	0.32 J	NA	0.45 J
RFI Soil	C7S	C7S-EU1	C-FP10-S1	1112367.5	601848.6	C70064	7/31/2001	O	Discrete	1	2	0.20 J	NA	0.28 J
RFI Soil	C7S	C7S-EU1	C-FP10-S2	1112326.3	601606.6	C70056	7/31/2001	O	Discrete	0	0.5	0.073 U	NA	0.050
RFI Soil	C7S	C7S-EU1	C-FP10-S2	1112326.3	601606.6	C70057	7/31/2001	O	Discrete	0.5	1	0.078 U	NA	0.091
RFI Soil	C7S	C7S-EU1	C-FP10-S3	1112283.2	601353.4	C70058	7/31/2001	O	Discrete	0	0.5	0.078 U	NA	0.044
RFI Soil	C7S	C7S-EU1	C-FP10-S3	1112283.2	601353.4	C70059	7/31/2001	O	Discrete	0.5	1	0.077 U	NA	0.063
RFI Soil	C7S	C7S-EU1	C-FP10-S4	1112240.5	601102.1	C70060	7/31/2001	O	Discrete	0	0.5	2.8 J	NA	3.0 J
RFI Soil	C7S	C7S-EU1	C-FP10-S4	1112240.5	601102.1	C70061	7/31/2001	O	Discrete	0.5	1	0.35	NA	0.23 J
RFI Soil -Top of Bank	C10N	C9N-EU1	C-159-LB-1	1114053.1	566658.3	C70034	12/7/1999	O	Discrete	0	0.5	0.53	NA	NA
RFI Soil -Top of Bank	C10N	C9N-EU1	C-166-LB-1	1117176.6	561749.6	C70029	12/7/1999	O	Discrete	0	0.5	0.076 U	NA	NA
RFI Soil -Top of Bank	C10N	C9N-EU1	C-172-LB-1	1116567.2	557160.6	C70028	12/7/1999	O	Discrete	0	0.5	0.075 U	NA	NA
RFI Soil -Top of Bank	C10S	C9N-EU1	C-159-RB-1	1113841.3	566507.3	C70033	12/7/1999	O	Discrete	0	0.5	0.63	NA	NA
RFI Soil -Top of Bank	C10S	C9N-EU1	C-160-RB-1	1114478.7	566051.6	C70032	12/7/1999	O	Discrete	0	0.5	0.46 J	NA	NA
RFI Soil -Top of Bank	C10S	C9N-EU1	C-161-RB-1	1115138.1	565385.3	C70031	12/7/1999	O	Discrete	0	0.5	0.31	NA	NA
RFI Soil -Top of Bank	C10S	C9N-EU1	C-165-RB-1	1117352.7	562574.1	C70030	12/7/1999	O	Discrete	0	0.5	0.69	NA	NA
RFI Soil -Top of Bank	C10S	C9N-EU1	C-172-RB-1	1116214.6	557100.4	C70027	12/7/1999	O	Discrete	0	0.5	0.084 U	NA	NA
RFI Soil -Top of Bank	C10S	C9S-EU1	C-182-RB-1	1112501.1	551958.2	C70026	12/7/1999	O	Discrete	0	0.5	0.028 J	NA	NA
RFI Soil -Top of Bank	C2B	C2N-EU2	C-U1-RB-1	1128795.7	659704.2	C70036	4/15/1999	O	Discrete	0	0.5	0.089 U	NA	NA
RFI Soil -Top of Bank	C3N	C3N-EU1	C-008-LB-1	1123130.5	655132.5	C70038	4/19/1999	O	Discrete	0	0.5	17 J	NA	NA
RFI Soil -Top of Bank	C3S	C3S-EU1	C-005-RB-1	1125390.2	657233.7	C70037	4/20/1999	O	Discrete	0	0.5	0.081	NA	NA
RFI Soil -Top of Bank	C4N	C4N-EU1	C-012-LB-1	1122078.1	650770.9	C70004	12/5/1999	O	Discrete	0	0.5	21 J	NA	NA
RFI Soil -Top of Bank	C4N	C4N-EU1	C-023-LB-1	1119187.3	645982.3	C70006	12/5/1999	O	Discrete	0	0.5	11 J	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RFI Soil -Top of Bank	C4N	C4N-EU1	C-025-LB-1	1118905.6	644371.0	C70007	12/5/1999	O	Discrete	0	0.5	2.3	NA	NA
RFI Soil -Top of Bank	C4N	C4N-EU1	C-027-LB-1	1119135.3	642529.3	C70009	12/5/1999	O	Discrete	0	0.5	5.6	NA	NA
RFI Soil -Top of Bank	C4N	C4N-EU2	C-034-LB-1	1119155.6	636903.3	C70012	12/5/1999	O	Discrete	0	0.5	1.1 J	NA	NA
RFI Soil -Top of Bank	C4N	C4N-EU2	C-038-LB-1	1121164.5	636070.7	C70013	12/5/1999	O	Discrete	0	0.5	0.69	NA	NA
RFI Soil -Top of Bank	C4S	C4S-EU1	C-023-RB-1	1119111.8	645961.9	C70005	12/5/1999	O	Discrete	0	0.5	12	NA	NA
RFI Soil -Top of Bank	C4S	C4S-EU2	C-026-RB-1	1118931.0	643671.9	C70008	12/5/1999	O	Discrete	0	0.5	4.1	NA	NA
RFI Soil -Top of Bank	C4S	C4S-EU2	C-026-RB-1	1118931.0	643671.9	C70039	12/5/1999	FD	Discrete	0	0.5	2.7	NA	NA
RFI Soil -Top of Bank	C4S	C4S-EU2	C-030-RB-1	1118729.1	640227.0	C70010	12/5/1999	O	Discrete	0	0.5	6.7	NA	NA
RFI Soil -Top of Bank	C4S	C4S-EU2	C-034-RB-1	1119130.0	636976.5	C70011	12/5/1999	O	Discrete	0	0.5	5.4	NA	NA
RFI Soil -Top of Bank	C5N	C5N-EU2	C-061-LB-1	1115700.4	621294.5	C70016	12/6/1999	O	Discrete	0	0.5	2.6	NA	NA
RFI Soil -Top of Bank	C5N	C5N-EU2	C-063-LB-1	1116017.1	621775.0	C70017	12/6/1999	O	Discrete	0	0.5	9.4 J	NA	NA
RFI Soil -Top of Bank	C5N	C5N-EU2	C-064-LB-1	1116363.9	622701.4	C70018	12/6/1999	O	Discrete	0	0.5	0.49	NA	NA
RFI Soil -Top of Bank	C5N	C5N-EU2	C-065-LB-1	1117121.9	622185.1	C70019	12/6/1999	O	Discrete	0	0.5	4.1	NA	NA
RFI Soil -Top of Bank	C5S	C5S-EU1	C-051-RB-1	1117048.7	626754.0	C70014	12/6/1999	O	Discrete	0	0.5	3.3 J	NA	NA
RFI Soil -Top of Bank	C5S	C5S-EU1	C-060-RB-1	1114784.6	621681.5	C70015	12/6/1999	O	Discrete	0	0.5	2.6	NA	NA
RFI Soil -Top of Bank	C5S	C5S-EU1	C-068-RB-1	1115715.7	619476.2	C70020	12/6/1999	O	Discrete	0	0.5	3.9 J	NA	NA
RFI Soil -Top of Bank	C5S	C5S-EU1	C-070-RB-1	1114560.5	618079.4	C70021	12/6/1999	O	Discrete	0	0.5	2.8 J	NA	NA
RFI Soil -Top of Bank	C5S	C5S-EU1	C-071-RB-1	1114359.1	617239.5	C70022	12/6/1999	O	Discrete	0	0.5	2.3	NA	NA
RFI Soil -Top of Bank	C7N	C7N-EU1	C-112-LB-1	1110807.7	595958.4	C70024	12/7/1999	O	Discrete	0	0.5	1.6	NA	NA
RFI Soil -Top of Bank	C7N	C7N-EU1	C-114-LB-1	1109722.0	594576.1	C70023	12/7/1999	O	Discrete	0	0.5	2.5	NA	NA
RFI Soil -Top of Bank	C7N	C7N-EU1	C-119-LB-1	1106427.9	590864.9	C70025	12/7/1999	O	Discrete	0	0.5	1.1	NA	NA
RFI Soil -Top of Bank	C7N	C7N-EU1	C-119-LB-1	1106427.9	590864.9	C70040	12/7/1999	FD	Discrete	0	0.5	1.4	NA	NA
RFI Soil -Top of Bank	C9N	C9N-EU1	C-158-LB-1	1113212.1	567478.3	C70035	12/7/1999	O	Discrete	0	0.5	0.78	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-01	1109602.1	605264.3	C70500	6/21/2007	O	Discrete	0	0.5	1.2	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-01	1109602.1	605264.3	C70501	6/21/2007	O	Discrete	0.5	1	0.10	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-02	1109993.5	604734.3	C70502	6/21/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-02	1109993.5	604734.3	C72463	6/21/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-03	1110166.6	604480.0	C70503	6/21/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-03	1110166.6	604480.0	C70504	6/21/2007	FD	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-03	1110166.6	604480.0	C70505	6/21/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-04	1110410.8	604026.4	C70506	6/21/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-04	1110410.8	604026.4	C72464	6/21/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-05	1110856.9	603701.5	C70507	6/19/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-05	1110856.9	603701.5	C70508	6/19/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-06	1111285.0	603293.2	C70509	6/19/2007	O	Discrete	0	0.5	0.064	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-06	1111285.0	603293.2	C72453	6/19/2007	O	Discrete	0.5	1	0.064	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-07	1111174.1	602875.8	C70510	6/19/2007	O	Discrete	0	0.5	0.20	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-07	1111174.1	602875.8	C70511	6/19/2007	O	Discrete	0.5	1	0.056	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-08	1111628.8	602996.3	C70512	6/19/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-08	1111628.8	602996.3	C72465	6/19/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-09	1111889.6	602540.3	C70513	6/19/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-09	1111889.6	602540.3	C70514	6/19/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-10	1112345.7	602500.5	C70515	6/19/2007	O	Discrete	0	0.5	0.059	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-10	1112345.7	602500.5	C72457	6/19/2007	O	Discrete	0.5	1	0.038	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-11	1112581.5	602231.0	C70516	6/21/2007	O	Discrete	0	0.5	0.10	0.0061	0.72

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-11	1112581.5	602231.0	C70517	6/21/2007	O	Discrete	0.5	1	0.037 U	0.0015	0.076
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-12	1113022.3	601947.9	C70518	6/19/2007	O	Discrete	0	0.5	0.038	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-12	1113022.3	601947.9	C72462	6/19/2007	O	Discrete	0.5	1	0.034 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-13	1113493.5	602016.8	C70519	6/21/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-13	1113493.5	602016.8	C70520	6/21/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-14	1114103.2	601756.8	C70521	6/19/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-14	1114103.2	601756.8	C72466	6/19/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-15	1114133.9	601303.5	C70522	6/19/2007	O	Discrete	0	0.5	8.4	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-15	1114133.9	601303.5	C70523	6/19/2007	O	Discrete	0.5	1	1.6	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-15	1114133.9	601303.5	C70739	6/19/2007	O	Discrete	1	2	0.17 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-16	1114558.9	601483.4	C70524	6/19/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-16	1114558.9	601483.4	C70525	6/19/2007	FD	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-16	1114558.9	601483.4	C72467	6/19/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-17	1114511.5	601216.4	C70526	6/19/2007	O	Discrete	0	0.5	0.039 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-17	1114511.5	601216.4	C70527	6/19/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-18	1114800.0	600857.0	C70528	6/19/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-18	1114800.0	600857.0	C72468	6/19/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-19	1114798.5	600458.0	C70529	6/19/2007	O	Discrete	0	0.5	0.079 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-19	1114798.5	600458.0	C70530	6/19/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-20	1114326.6	600076.6	C70531	6/20/2007	O	Discrete	0	0.5	0.035 U	0.0016	0.10
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-20	1114326.6	600076.6	C72470	6/20/2007	O	Discrete	0.5	1	0.034 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-21	1114090.0	599932.6	C70532	6/19/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-21	1114090.0	599932.6	C70533	6/19/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-22	1113713.7	599656.7	C70534	6/19/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-22	1113713.7	599656.7	C72471	6/19/2007	O	Discrete	0.5	1	0.034 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-23	1113177.9	599660.1	C70535	6/20/2007	O	Discrete	0	0.5	0.34	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-23	1113177.9	599660.1	C70536	6/20/2007	O	Discrete	0.5	1	0.077	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-24	1112923.2	600116.2	C70537	6/20/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-24	1112923.2	600116.2	C72472	6/20/2007	O	Discrete	0.5	1	0.053	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-25	1112467.2	600407.0	C70538	6/20/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-25	1112467.2	600407.0	C70539	6/20/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-26	1112107.6	600676.5	C70540	6/20/2007	O	Discrete	0	0.5	0.16	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-26	1112107.6	600676.5	C72439	6/20/2007	O	Discrete	0.5	1	0.19	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-27	1111651.7	600716.3	C70541	6/20/2007	O	Discrete	0	0.5	0.24	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-27	1111651.7	600716.3	C70542	6/20/2007	O	Discrete	0.5	1	0.25	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-28	1111397.9	601048.1	C70543	6/20/2007	O	Discrete	0	0.5	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-28	1111397.9	601048.1	C72473	6/20/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-29	1110643.1	600488.5	C70544	6/20/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-29	1110643.1	600488.5	C70545	6/20/2007	O	Discrete	0.5	1	0.050	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-29	1110643.1	600488.5	C70546	6/20/2007	FD	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-30	1110442.1	599922.6	C70547	6/20/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-30	1110442.1	599922.6	C72474	6/20/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-31	1110404.4	599487.1	C70548	6/20/2007	O	Discrete	0	0.5	0.078 J	0.0035	0.24
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-31	1110404.4	599487.1	C70549	6/20/2007	O	Discrete	0.5	1	0.12 J	0.0035	0.25
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-32	1110847.6	599576.7	C70550	6/20/2007	O	Discrete	0	0.5	0.036 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-32	1110847.6	599576.7	C72475	6/20/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-33	1110804.0	599120.6	C70551	6/20/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-33	1110804.0	599120.6	C70552	6/20/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-34	1111260.0	598768.3	C70553	6/20/2007	O	Discrete	0	0.5	0.062 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-34	1111260.0	598768.3	C72455	6/20/2007	O	Discrete	0.5	1	0.16	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-35	1111577.7	598436.5	C70554	6/20/2007	O	Discrete	0	0.5	0.077 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-35	1111577.7	598436.5	C70555	6/20/2007	O	Discrete	0.5	1	0.11 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-36	1111377.3	597858.9	C70556	6/20/2007	O	Discrete	0	0.5	2.0	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-36	1111377.3	597858.9	C72421	6/20/2007	O	Discrete	0.5	1	1.8	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-37	1111771.6	597524.3	C70557	6/20/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-37	1111771.6	597524.3	C70558	6/20/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-38	1111318.9	597379.0	C70559	6/20/2007	O	Discrete	0	0.5	0.092	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-38	1111318.9	597379.0	C72447	6/20/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-39	1110806.8	595931.3	C70560	6/26/2007	O	Discrete	0	0.5	0.81	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-39	1110806.8	595931.3	C70561	6/26/2007	O	Discrete	0.5	1	3.5	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-39	1110806.8	595931.3	C70741	6/26/2007	O	Discrete	1	2	13	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-40	1110854.4	595473.9	C70562	6/26/2007	O	Discrete	0	0.5	0.038 U	0.00058	0.011 B
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-40	1110854.4	595473.9	C72476	6/26/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-41	1110690.2	595016.6	C70563	6/21/2007	O	Discrete	0	0.5	0.040 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-41	1110690.2	595016.6	C70564	6/21/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-42	1109973.8	594250.1	C70565	6/20/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-42	1109973.8	594250.1	C72477	6/20/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-43	1109517.7	594319.9	C70566	6/20/2007	O	Discrete	0	0.5	0.034 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-43	1109517.7	594319.9	C70567	6/20/2007	FD	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-43	1109517.7	594319.9	C70568	6/20/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-44	1109061.8	594297.5	C70569	6/20/2007	O	Discrete	0	0.5	0.097	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-44	1109061.8	594297.5	C72446	6/20/2007	O	Discrete	0.5	1	0.17	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-45	1108605.7	594164.6	C70570	6/20/2007	O	Discrete	0	0.5	0.072	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-45	1108605.7	594164.6	C70571	6/20/2007	O	Discrete	0.5	1	0.079	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-46	1108250.8	593708.8	C70572	6/20/2007	O	Discrete	0	0.5	0.060	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-46	1108250.8	593708.8	C72456	6/20/2007	O	Discrete	0.5	1	0.087	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-47	1108235.9	593661.3	C70573	6/20/2007	O	Discrete	0	0.5	0.050	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-47	1108235.9	593661.3	C70574	6/20/2007	O	Discrete	0.5	1	0.044	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-48	1108124.0	593205.4	C70575	6/21/2007	O	Discrete	0	0.5	0.079	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-48	1108124.0	593205.4	C72451	6/21/2007	O	Discrete	0.5	1	0.090	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-49	1107798.8	592709.4	C70576	6/21/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-49	1107798.8	592709.4	C70577	6/21/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-50	1107815.0	592293.4	C70578	6/21/2007	O	Discrete	0	0.5	0.045	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-50	1107815.0	592293.4	C72461	6/21/2007	O	Discrete	0.5	1	0.059	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-51	1107367.7	591836.0	C70579	6/21/2007	O	Discrete	0	0.5	0.33	0.28	0.80
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-51	1107367.7	591836.0	C70580	6/21/2007	O	Discrete	0.5	1	0.19	0.0051	0.47
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-52	1107341.6	591379.9	C70581	6/21/2007	O	Discrete	0	0.5	0.21	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-52	1107341.6	591379.9	C72437	6/21/2007	O	Discrete	0.5	1	0.088	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-53	1106885.5	591305.8	C70582	6/21/2007	O	Discrete	0	0.5	0.66	NA	NA
RI/FS - OU-4 Soil (P1)	C7N	C7N-EU1	C7N-53	1106885.5	591305.8	C70583	6/21/2007	O	Discrete	0.5	1	0.13	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-01	1109175.7	605298.5	C70584	6/28/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-01	1109175.7	605298.5	C70585	6/28/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-02	1109256.6	604835.5	C70586	6/28/2007	O	Discrete	0	0.5	0.039 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-02	1109256.6	604835.5	C72478	6/28/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-03	1109716.1	604494.7	C70587	6/28/2007	O	Discrete	0	0.5	1.8	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-03	1109716.1	604494.7	C70588	6/28/2007	FD	Discrete	0	0.5	1.8	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-03	1109716.1	604494.7	C70589	6/28/2007	O	Discrete	0.5	1	1.3	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-04	1109905.2	603578.5	C70590	6/27/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-04	1109905.2	603578.5	C72479	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-05	1110324.8	603584.7	C70591	6/27/2007	O	Discrete	0	0.5	3.1	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-05	1110324.8	603584.7	C70592	6/27/2007	O	Discrete	0.5	1	1.4 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-06	1110487.8	603151.4	C70593	6/27/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-06	1110487.8	603151.4	C72480	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-07	1110611.6	602871.4	C70594	6/27/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-07	1110611.6	602871.4	C70595	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-08	1111104.5	602684.1	C70596	6/27/2007	O	Discrete	0	0.5	0.26	0.21	0.35
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-08	1111104.5	602684.1	C72436	6/27/2007	O	Discrete	0.5	1	0.15	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-09	1111002.3	602438.6	C70597	6/27/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-09	1111002.3	602438.6	C70598	6/27/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-10	1111465.4	602221.2	C70599	6/27/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-10	1111465.4	602221.2	C72481	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-11	1111743.2	601897.5	C70600	6/27/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-11	1111743.2	601897.5	C70601	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-12	1112205.8	601710.0	C70602	6/27/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-12	1112205.8	601710.0	C72482	6/27/2007	O	Discrete	0.5	1	0.034 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-13	1112640.9	601427.1	C70603	6/27/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-13	1112640.9	601427.1	C70604	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-14	1113309.6	601107.6	C70605	6/27/2007	O	Discrete	0	0.5	2.2	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-14	1113309.6	601107.6	C72422	6/27/2007	O	Discrete	0.5	1	1.5	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-15	1113565.8	601486.6	C70606	6/27/2007	O	Discrete	0	0.5	0.18	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-15	1113565.8	601486.6	C70607	6/27/2007	O	Discrete	0.5	1	0.034 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-16	1113781.0	601010.6	C70608	6/27/2007	O	Discrete	0	0.5	0.28	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-16	1113781.0	601010.6	C70609	6/27/2007	FD	Discrete	0	0.5	0.67	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-16	1113781.0	601010.6	C72432	6/27/2007	O	Discrete	0.5	1	0.25	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-17	1113981.7	600705.2	C70610	6/27/2007	O	Discrete	0	0.5	0.36	0.26	0.32
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-17	1113981.7	600705.2	C70611	6/27/2007	O	Discrete	0.5	1	0.087	0.0020	0.028 B
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-18	1113524.7	600087.0	C70612	6/27/2007	O	Discrete	0	0.5	0.37 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-18	1113524.7	600087.0	C72433	6/27/2007	O	Discrete	0.5	1	0.61	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-19	1113518.9	600550.0	C70613	6/27/2007	O	Discrete	0	0.5	0.066	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-19	1113518.9	600550.0	C70614	6/27/2007	O	Discrete	0.5	1	0.13	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-20	1113055.9	600647.0	C70615	6/27/2007	O	Discrete	0	0.5	0.039 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-20	1113055.9	600647.0	C72483	6/27/2007	O	Discrete	0.5	1	9.1	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-21	1112854.9	600961.9	C70616	6/27/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-21	1112854.9	600961.9	C70617	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-22	1112181.6	601248.2	C70618	6/27/2007	O	Discrete	0	0.5	0.036 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-22	1112181.6	601248.2	C72484	6/27/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-23	1111715.0	601435.0	C70619	6/26/2007	O	Discrete	0	0.5	0.21	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-23	1111715.0	601435.0	C70620	6/26/2007	O	Discrete	0.5	1	0.12	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-24	1111279.9	601758.0	C70621	6/26/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-24	1111279.9	601758.0	C72485	6/26/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-25	1110788.6	601512.6	C70622	6/26/2007	O	Discrete	0	0.5	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-25	1110788.6	601512.6	C70623	6/26/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-26	1110538.0	600895.9	C70624	6/26/2007	O	Discrete	0	0.5	9.9 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-26	1110538.0	600895.9	C72423	6/26/2007	O	Discrete	0.5	1	9.8	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-27	1110031.9	600831.5	C70625	6/26/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-27	1110031.9	600831.5	C70626	6/26/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-28	1109814.8	600337.3	C70627	6/26/2007	O	Discrete	0	0.5	0.075 J	0.0032	0.15
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-28	1109814.8	600337.3	C72452	6/26/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-29	1109820.9	599876.4	C70628	6/26/2007	O	Discrete	0	0.5	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-29	1109820.9	599876.4	C70629	6/26/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-29	1109820.9	599876.4	C70630	6/26/2007	FD	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-30	1109749.5	599411.3	C70631	6/26/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-30	1109749.5	599411.3	C72486	6/26/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-31	1110199.6	599457.6	C70632	6/26/2007	O	Discrete	0	0.5	0.054	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-31	1110199.6	599457.6	C70633	6/26/2007	O	Discrete	0.5	1	0.038	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-32	1110114.0	598984.6	C70634	6/26/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-32	1110114.0	598984.6	C72487	6/26/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-33	1110418.4	598521.5	C70635	6/26/2007	O	Discrete	0	0.5	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-33	1110418.4	598521.5	C70636	6/26/2007	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-34	1110891.2	598288.8	C70637	6/26/2007	O	Discrete	0	0.5	0.11	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-34	1110891.2	598288.8	C72444	6/26/2007	O	Discrete	0.5	1	0.32	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-35	1110890.3	597808.7	C70638	6/27/2007	O	Discrete	0	0.5	0.081	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-35	1110890.3	597808.7	C70639	6/27/2007	O	Discrete	0.5	1	0.060	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-36	1110761.2	597345.4	C70640	6/27/2007	O	Discrete	0	0.5	0.039 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-36	1110761.2	597345.4	C72488	6/27/2007	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-37	1110854.7	596870.8	C70641	6/27/2007	O	Discrete	0	0.5	3.6	4.5	5.2
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-37	1110854.7	596870.8	C70642	6/27/2007	O	Discrete	0.5	1	2.0	2.3	0.75
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-37	1110854.7	596870.8	C70745	6/27/2007	O	Discrete	1	2	0.30 J	NA	0.80 J
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-38	1110433.5	596669.3	C70643	6/27/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-38	1110433.5	596669.3	C72489	6/27/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-39	1110747.7	596416.3	C70644	6/28/2007	O	Discrete	0	0.5	1.8	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-39	1110747.7	596416.3	C70645	6/28/2007	O	Discrete	0.5	1	0.57	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-40	1110314.4	596206.4	C70646	6/27/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-40	1110314.4	596206.4	C72491	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-41	1110406.4	595743.6	C70647	6/28/2007	O	Discrete	0	0.5	0.075	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-41	1110406.4	595743.6	C70648	6/28/2007	O	Discrete	0.5	1	0.050	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-42	1110545.4	595495.2	C70649	6/28/2007	O	Discrete	0	0.5	3.9	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-42	1110545.4	595495.2	C72424	6/28/2007	O	Discrete	0.5	1	0.94	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-43	1110084.1	595280.5	C70650	6/27/2007	O	Discrete	0	0.5	0.062	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-43	1110084.1	595280.5	C70651	6/27/2007	FD	Discrete	0	0.5	0.072	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-43	1110084.1	595280.5	C70652	6/27/2007	O	Discrete	0.5	1	0.084	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-44	1110042.9	594780.4	C70653	6/28/2007	O	Discrete	0	0.5	1.1	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-44	1110042.9	594780.4	C72425	6/28/2007	O	Discrete	0.5	1	16	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-45	1109578.6	595112.6	C70654	6/27/2007	O	Discrete	0	0.5	0.047	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-45	1109578.6	595112.6	C70655	6/27/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-46	1109108.2	594618.4	C70656	6/27/2007	O	Discrete	0	0.5	0.28	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-46	1109108.2	594618.4	C72434	6/27/2007	O	Discrete	0.5	1	0.21	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-47	1108643.0	594644.4	C70657	6/27/2007	O	Discrete	0	0.5	0.098	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-47	1108643.0	594644.4	C70658	6/27/2007	O	Discrete	0.5	1	0.64	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-48	1108189.5	594870.0	C70659	6/28/2007	O	Discrete	0	0.5	0.035 U	0.0021	0.025 B
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-48	1108189.5	594870.0	C72492	6/28/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-49	1108183.8	594406.7	C70660	6/28/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-49	1108183.8	594406.7	C70661	6/28/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-50	1107818.5	593942.6	C70662	6/26/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-50	1107818.5	593942.6	C72493	6/26/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-51	1107635.1	593666.1	C70663	6/26/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-51	1107635.1	593666.1	C70664	6/26/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-52	1107396.5	593203.2	C70665	6/26/2007	O	Discrete	0	0.5	0.046 J	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-52	1107396.5	593203.2	C72460	6/26/2007	O	Discrete	0.5	1	0.056	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-53	1107408.4	592679.5	C70666	6/26/2007	O	Discrete	0	0.5	0.094	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-53	1107408.4	592679.5	C70667	6/26/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-54	1106962.8	592300.8	C70668	6/26/2007	O	Discrete	0	0.5	0.051	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-54	1106962.8	592300.8	C72459	6/26/2007	O	Discrete	0.5	1	0.048	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-55	1106550.5	591629.7	C70669	6/26/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-55	1106550.5	591629.7	C70670	6/26/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-56	1106501.9	591148.3	C70671	6/28/2007	O	Discrete	0	0.5	0.036	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-56	1106501.9	591148.3	C70672	6/28/2007	FD	Discrete	0	0.5	0.16	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-56	1106501.9	591148.3	C72440	6/28/2007	O	Discrete	0.5	1	0.36	NA	NA
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-57	1106204.6	590964.1	C70673	6/28/2007	O	Discrete	0	0.5	0.037 U	0.0014	0.055
RI/FS - OU-4 Soil (P1)	C7S	C7S-EU1	C7S-57	1106204.6	590964.1	C70674	6/28/2007	O	Discrete	0.5	1	0.036 U	0.0020	0.020 B
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-01	1105853.8	590056.4	C70675	6/21/2007	O	Discrete	0	0.5	0.25	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-01	1105853.8	590056.4	C70676	6/21/2007	O	Discrete	0.5	1	0.23	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-02	1105724.9	589484.5	C70677	6/21/2007	O	Discrete	0	0.5	0.13	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-02	1105724.9	589484.5	C72443	6/21/2007	O	Discrete	0.5	1	0.042	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-03	1105881.4	589247.7	C70678	6/21/2007	O	Discrete	0	0.5	0.11	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-03	1105881.4	589247.7	C70679	6/21/2007	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-04	1105748.1	588340.8	C70680	6/25/2007	O	Discrete	0	0.5	0.13 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-04	1105748.1	588340.8	C72442	6/25/2007	O	Discrete	0.5	1	0.11	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-05	1107156.8	587224.8	C70681	6/25/2007	O	Discrete	0	0.5	0.65 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-05	1107156.8	587224.8	C70682	6/25/2007	O	Discrete	0.5	1	0.36 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-06	1107728.5	587285.2	C70683	6/25/2007	O	Discrete	0	0.5	0.27	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-06	1107728.5	587285.2	C72435	6/25/2007	O	Discrete	0.5	1	0.13	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-07	1108106.8	586713.2	C70684	6/25/2007	O	Discrete	0	0.5	0.038 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-07	1108106.8	586713.2	C70685	6/25/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-08	1108380.7	585985.1	C70686	6/26/2007	O	Discrete	0	0.5	0.14	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-08	1108380.7	585985.1	C72441	6/26/2007	O	Discrete	0.5	1	0.084	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-09	1107838.9	585570.5	C70687	6/26/2007	O	Discrete	0	0.5	1.2	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-09	1107838.9	585570.5	C70688	6/26/2007	O	Discrete	0.5	1	5.3	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-09	1107838.9	585570.5	C70744	6/26/2007	O	Discrete	1	2	0.52 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-10	1107268.4	585504.8	C70689	6/26/2007	O	Discrete	0	0.5	2.3 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-10	1107268.4	585504.8	C72426	6/26/2007	O	Discrete	0.5	1	0.18	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-11	1106693.7	585652.8	C70690	6/26/2007	O	Discrete	0	0.5	2.4 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-11	1106693.7	585652.8	C70691	6/26/2007	O	Discrete	0.5	1	2.2	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-11	1106693.7	585652.8	C70738	6/26/2007	O	Discrete	1	2	12	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-12	1106118.9	585782.9	C70692	6/26/2007	O	Discrete	0	0.5	3.2 J	4.0	4.1
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-12	1106118.9	585782.9	C70693	6/26/2007	FD	Discrete	0	0.5	3.5 J	4.3	5.2
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-12	1106118.9	585782.9	C72427	6/26/2007	O	Discrete	0.5	1	4.0	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-13	1106178.2	584684.0	C70694	6/25/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-13	1106178.2	584684.0	C70695	6/25/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-14	1107639.5	583859.4	C70696	6/25/2007	O	Discrete	0	0.5	0.90 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-14	1107639.5	583859.4	C72431	6/25/2007	O	Discrete	0.5	1	2.8	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-15	1110339.5	583157.1	C70697	6/25/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-15	1110339.5	583157.1	C70698	6/25/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-16	1110654.8	581246.6	C70699	6/29/2007	O	Discrete	0	0.5	5.5	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-16	1110654.8	581246.6	C72429	6/29/2007	O	Discrete	0.5	1	11	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-17	1109026.8	581339.8	C70700	6/29/2007	O	Discrete	0	0.5	3.2	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-17	1109026.8	581339.8	C70701	6/29/2007	O	Discrete	0.5	1	4.4	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-17	1109026.8	581339.8	C70742	6/29/2007	O	Discrete	1	2	3.3	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-18	1108446.6	581414.0	C70702	6/29/2007	O	Discrete	0	0.5	0.057	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-18	1108446.6	581414.0	C72458	6/29/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-19	1107873.8	581530.9	C70703	6/29/2007	O	Discrete	0	0.5	1.2	0.97	0.95
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-19	1107873.8	581530.9	C70704	6/29/2007	O	Discrete	0.5	1	5.0	4.1	3.2
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-19	1107873.8	581530.9	C70743	6/29/2007	O	Discrete	1	2	10 J	NA	5.9 J
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-20	1107149.4	580921.1	C70705	6/29/2007	O	Discrete	0	0.5	3.3	NA	NA
RI/FS - OU-4 Soil (P1)	C8N	C8N-EU1	C8N-20	1107149.4	580921.1	C72430	6/29/2007	O	Discrete	0.5	1	1.7	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-01	1105215.9	590441.8	C70706	6/28/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-01	1105215.9	590441.8	C70707	6/28/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-02	1105026.6	590091.9	C70708	6/28/2007	O	Discrete	0	0.5	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-02	1105026.6	590091.9	C72494	6/28/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-03	1104759.2	589522.6	C70709	6/28/2007	O	Discrete	0	0.5	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-03	1104759.2	589522.6	C70710	6/28/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-04	1105003.9	588967.3	C70711	6/28/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-04	1105003.9	588967.3	C72495	6/28/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-05	1107515.3	586560.1	C70712	6/28/2007	O	Discrete	0	0.5	0.054 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-05	1107515.3	586560.1	C70713	6/28/2007	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-05	1107515.3	586560.1	C70714	6/28/2007	FD	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-06	1107606.4	585998.2	C70715	6/28/2007	O	Discrete	0	0.5	0.081	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-06	1107606.4	585998.2	C72450	6/28/2007	O	Discrete	0.5	1	0.043	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-07	1107043.9	585939.4	C70716	6/28/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-07	1107043.9	585939.4	C70717	6/28/2007	O	Discrete	0.5	1	0.035 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-08	1106480.1	586031.0	C70718	6/28/2007	O	Discrete	0	0.5	0.037 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-08	1106480.1	586031.0	C72496	6/28/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-09	1105919.4	586152.0	C70719	6/28/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-09	1105919.4	586152.0	C70720	6/28/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-10	1105341.2	585948.0	C70721	6/28/2007	O	Discrete	0	0.5	0.091	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-10	1105341.2	585948.0	C72449	6/28/2007	O	Discrete	0.5	1	0.065	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-11	1105676.7	585010.0	C70722	6/28/2007	O	Discrete	0	0.5	3.1	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-11	1105676.7	585010.0	C70723	6/28/2007	O	Discrete	0.5	1	0.28	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-12	1106769.6	583689.2	C70724	6/29/2007	O	Discrete	0	0.5	0.17 J	0.011	0.75
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-12	1106769.6	583689.2	C72438	6/29/2007	O	Discrete	0.5	1	0.045	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-13	1107353.7	583705.0	C70725	6/29/2007	O	Discrete	0	0.5	3.0	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-13	1107353.7	583705.0	C70726	6/29/2007	O	Discrete	0.5	1	4.3	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-13	1107353.7	583705.0	C70740	6/29/2007	O	Discrete	1	2	8.3 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-14	1108457.5	583570.3	C70727	6/29/2007	O	Discrete	0	0.5	0.063	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-14	1108457.5	583570.3	C72454	6/29/2007	O	Discrete	0.5	1	0.042	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-15	1108896.1	583007.9	C70728	6/29/2007	O	Discrete	0	0.5	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-15	1108896.1	583007.9	C70729	6/29/2007	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-16	1109426.6	582843.0	C70730	6/29/2007	O	Discrete	0	0.5	0.11 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-16	1109426.6	582843.0	C72445	6/29/2007	O	Discrete	0.5	1	0.051 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-17	1110422.3	582158.4	C70731	6/29/2007	O	Discrete	0	0.5	0.22 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-17	1110422.3	582158.4	C70732	6/29/2007	O	Discrete	0.5	1	0.18 J	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-18	1109130.8	581720.9	C70733	6/28/2007	O	Discrete	0	0.5	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-18	1109130.8	581720.9	C72497	6/28/2007	O	Discrete	0.5	1	0.035 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-19	1107439.2	581496.4	C70734	6/29/2007	O	Discrete	0	0.5	0.41 J	0.023	0.61
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-19	1107439.2	581496.4	C70735	6/29/2007	FD	Discrete	0	0.5	0.35 J	0.33	0.70
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-19	1107439.2	581496.4	C70736	6/29/2007	O	Discrete	0.5	1	0.038 U	0.0022	0.17
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-20	1106860.6	579192.3	C70737	6/28/2007	O	Discrete	0	0.5	0.054 U	NA	NA
RI/FS - OU-4 Soil (P1)	C8S	C8S-EU1	C8S-20	1106860.6	579192.3	C72498	6/28/2007	O	Discrete	0.5	1	0.048 U	NA	NA
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-01	1128844.1	661511.8	C70746	2/18/2009	O	Discrete	0	0.5	0.043 U	NA	0.025 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-01	1128844.1	661511.8	C70747	2/18/2009	FD	Discrete	0	0.5	0.043 U	NA	0.027 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-01	1128844.1	661511.8	C70748	2/18/2009	O	Discrete	0.5	1	0.042 U	NA	0.0091 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-01	1128844.1	661511.8	C70749	2/18/2009	FD	Discrete	0.5	1	0.042 U	NA	0.013 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-02	1128380.7	661693.5	C70752	2/18/2009	O	Discrete	0	0.5	0.043 U	NA	0.039
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-02	1128380.7	661693.5	C70753	2/18/2009	O	Discrete	0.5	1	0.042 U	NA	0.032 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-04	1128468.8	661232.7	C70758	2/18/2009	O	Discrete	0	0.5	0.043 U	NA	0.033 J
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-04	1128468.8	661232.7	C70759	2/18/2009	O	Discrete	0.5	1	0.043 U	NA	0.022 J
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-05	1127918.8	661241.2	C70761	2/18/2009	O	Discrete	0	0.5	0.049 U	NA	0.048
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-05	1127918.8	661241.2	C70762	2/18/2009	O	Discrete	0.5	1	0.048 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-07	1128485.7	660770.6	C70767	2/19/2009	O	Discrete	0	0.5	0.046 U	NA	0.067
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-07	1128485.7	660770.6	C70768	2/19/2009	FD	Discrete	0	0.5	0.046 U	NA	0.073
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-07	1128485.7	660770.6	C70769	2/19/2009	O	Discrete	0.5	1	0.046 U	NA	0.073
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-07	1128485.7	660770.6	C70770	2/19/2009	FD	Discrete	0.5	1	0.046 U	NA	0.067
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-08	1128004.2	660779.3	C70773	2/19/2009	O	Discrete	0	0.5	0.044 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-08	1128004.2	660779.3	C70774	2/19/2009	O	Discrete	0.5	1	0.048 U	NA	0.044 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-09	1127546.4	660797.0	C70776	2/19/2009	O	Discrete	0	0.5	0.044 U	NA	0.040

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-09	1127546.4	660797.0	C70777	2/19/2009	O	Discrete	0.5	1	0.043 U	NA	0.034 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-10	1127097.2	660735.7	C70779	2/19/2009	O	Discrete	0	0.5	0.046 U	NA	0.057
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-10	1127097.2	660735.7	C70780	2/19/2009	O	Discrete	0.5	1	0.045 U	NA	0.056
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-12	1127557.1	660338.3	C70785	2/19/2009	O	Discrete	0	0.5	0.044 U	NA	0.036 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-12	1127557.1	660338.3	C70786	2/19/2009	O	Discrete	0.5	1	0.044 U	NA	0.039 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-13	1128024.4	660318.6	C70788	2/19/2009	O	Discrete	0	0.5	0.046 U	NA	0.046
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-13	1128024.4	660318.6	C70789	2/19/2009	O	Discrete	0.5	1	0.043 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-14	1128311.7	660309.0	C70791	2/19/2009	O	Discrete	0	0.5	0.044 U	NA	0.046
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-14	1128311.7	660309.0	C70792	2/19/2009	O	Discrete	0.5	1	0.043 U	NA	0.058
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-16	1127388.3	659873.7	C70797	2/19/2009	O	Discrete	0	0.5	0.046 U	NA	0.051
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-16	1127388.3	659873.7	C70798	2/19/2009	O	Discrete	0.5	1	0.038 U	NA	0.037
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-17	1127849.7	659856.1	C70800	2/19/2009	O	Discrete	0	0.5	0.044 U	NA	0.037 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-17	1127849.7	659856.1	C70801	2/19/2009	O	Discrete	0.5	1	0.045 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-18	1128346.2	659846.8	C70803	2/19/2009	O	Discrete	0	0.5	0.044 U	NA	0.033 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-18	1128346.2	659846.8	C70804	2/19/2009	O	Discrete	0.5	1	0.043 U	NA	0.016 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-21	1127883.8	659393.1	C70812	2/19/2009	O	Discrete	0	0.5	0.070	NA	0.079
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-21	1127883.8	659393.1	C70813	2/19/2009	O	Discrete	0.5	1	0.043 U	NA	0.075
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-22	1128475.6	659384.7	C70815	2/19/2009	O	Discrete	0	0.5	0.046 U	NA	0.082
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-22	1128475.6	659384.7	C70816	2/19/2009	O	Discrete	0.5	1	0.043 U	NA	0.034 B
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-26	1128296.3	658923.1	C70827	2/19/2009	O	Discrete	0	0.5	0.049	NA	0.043 J
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-26	1128296.3	658923.1	C70828	2/19/2009	O	Discrete	0.5	1	0.042 U	NA	0.025 J
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-27	1128013.1	658936.7	C70830	2/19/2009	O	Discrete	0	0.5	0.49	NA	0.15 J
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2N-27	1128013.1	658936.7	C70831	2/19/2009	O	Discrete	0.5	1	0.56	0.0034	0.94 J
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2S-18	1128323.1	658580.1	C70902	2/19/2009	O	Discrete	0	0.5	1.8 J	0.026	0.70 J
RI/FS - OU-4 Soil (P2)	C2B	C2N-EU2	C2S-18	1128323.1	658580.1	C70903	2/19/2009	O	Discrete	0.5	1	3.6	0.021	0.58 J
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-03	1129392.7	661168.1	C70755	2/18/2009	O	Discrete	0	0.5	0.037 U	NA	0.0078 U
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-03	1129392.7	661168.1	C70756	2/18/2009	O	Discrete	0.5	1	0.038 U	NA	0.031 B
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-06	1129366.5	660696.0	C70764	2/18/2009	O	Discrete	0	0.5	0.038 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-06	1129366.5	660696.0	C70765	2/18/2009	O	Discrete	0.5	1	0.038 U	NA	0.030 B
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-11	1129130.6	660632.8	C70782	2/18/2009	O	Discrete	0	0.5	0.038 U	NA	0.035
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-11	1129130.6	660632.8	C70783	2/18/2009	O	Discrete	0.5	1	0.037 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-15	1129253.5	660232.0	C70794	2/18/2009	O	Discrete	0	0.5	0.050 U	NA	0.067
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-15	1129253.5	660232.0	C70795	2/18/2009	O	Discrete	0.5	1	0.044 U	NA	0.045
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-19	1129269.9	659783.0	C70806	2/18/2009	O	Discrete	0	0.5	0.047	NA	0.081
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-19	1129269.9	659783.0	C70807	2/18/2009	O	Discrete	0.5	1	0.040 U	NA	0.048
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-20	1128855.4	659681.6	C70809	2/19/2009	O	Discrete	0	0.5	0.044 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-20	1128855.4	659681.6	C70810	2/19/2009	O	Discrete	0.5	1	0.039 U	NA	0.019 B
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-23	1128937.8	659201.2	C70818	2/18/2009	O	Discrete	0	0.5	0.18	NA	0.050
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-23	1128937.8	659201.2	C70819	2/18/2009	O	Discrete	0.5	1	0.042 U	NA	0.040
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-24	1129444.4	659322.4	C70821	2/18/2009	O	Discrete	0	0.5	5.3	0.030	2.4
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-24	1129444.4	659322.4	C70822	2/18/2009	O	Discrete	0.5	1	0.62	0.0080	0.093
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-25	1129220.8	658858.0	C70824	2/18/2009	O	Discrete	0	0.5	14	NA	1.1
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-25	1129220.8	658858.0	C70825	2/18/2009	O	Discrete	0.5	1	20	NA	1.3
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-25	1129220.8	658858.0	C70826	2/18/2009	O	Discrete	1	2	16 J	NA	NA
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-28	1128759.0	658739.0	C70833	2/19/2009	O	Discrete	0	0.5	32 J	NA	1.1

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-28	1128759.0	658739.0	C70834	2/19/2009	O	Discrete	0.5	1	110 J	NA	2.2
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-28	1128759.0	658739.0	C70835	2/19/2009	O	Discrete	1	2	270 J	NA	NA
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-29	1129095.1	658396.6	C70836	2/19/2009	O	Discrete	0	0.5	0.040 U	NA	0.032 J
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-29	1129095.1	658396.6	C70837	2/19/2009	FD	Discrete	0	0.5	0.090	NA	0.051
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-29	1129095.1	658396.6	C70838	2/19/2009	O	Discrete	0.5	1	0.041 U	NA	0.074
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-29	1129095.1	658396.6	C70839	2/19/2009	FD	Discrete	0.5	1	0.041 U	NA	0.066
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-30	1128626.0	658279.1	C70842	2/18/2009	O	Discrete	0	0.5	0.038 U	NA	0.036
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-30	1128626.0	658279.1	C70843	2/18/2009	O	Discrete	0.5	1	0.038 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-31	1129395.2	657934.1	C70845	2/18/2009	O	Discrete	0	0.5	1.8	0.010	0.70
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-31	1129395.2	657934.1	C70846	2/18/2009	O	Discrete	0.5	1	1.1	0.0071	0.70
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-32	1128471.1	657997.9	C70848	2/18/2009	O	Discrete	0	0.5	0.042 U	NA	0.063
RI/FS - OU-4 Soil (P2)	C2N	C2N-EU1	C2N-32	1128471.1	657997.9	C70849	2/18/2009	O	Discrete	0.5	1	0.041 U	NA	0.041
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-01	1127649.1	662305.3	C70851	2/20/2009	O	Discrete	0	0.5	0.045 U	NA	0.044 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-01	1127649.1	662305.3	C70852	2/20/2009	O	Discrete	0.5	1	0.044 U	NA	0.044 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-02	1127923.1	661682.3	C70854	2/20/2009	O	Discrete	0	0.5	0.045 U	NA	0.044 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-02	1127923.1	661682.3	C70855	2/20/2009	O	Discrete	0.5	1	0.043 U	NA	0.034 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-03	1127523.5	661922.0	C70857	2/20/2009	O	Discrete	0	0.5	0.047 U	NA	0.048 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-03	1127523.5	661922.0	C70858	2/20/2009	O	Discrete	0.5	1	0.044 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-04	1127142.7	661853.6	C70860	2/20/2009	O	Discrete	0	0.5	0.044 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-04	1127142.7	661853.6	C70861	2/20/2009	O	Discrete	0.5	1	0.043 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-05	1127163.9	661490.6	C70863	2/20/2009	O	Discrete	0	0.5	0.044 U	NA	0.038
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-05	1127163.9	661490.6	C70864	2/20/2009	O	Discrete	0.5	1	0.043 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-06	1126767.3	661705.3	C70866	2/20/2009	O	Discrete	0	0.5	0.040 U	NA	0.018 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-06	1126767.3	661705.3	C70867	2/20/2009	O	Discrete	0.5	1	0.040 U	NA	0.040
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-07	1126728.6	661339.9	C70869	2/20/2009	O	Discrete	0	0.5	0.042 U	NA	0.034 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-07	1126728.6	661339.9	C70870	2/20/2009	O	Discrete	0.5	1	0.041 U	NA	0.039 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-08	1126396.5	660804.9	C70872	2/20/2009	O	Discrete	0	0.5	0.042 U	NA	0.036 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-08	1126396.5	660804.9	C70873	2/20/2009	O	Discrete	0.5	1	0.041 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-09	1126555.3	660546.9	C70875	2/20/2009	O	Discrete	0	0.5	0.045 U	NA	0.057
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-09	1126555.3	660546.9	C70876	2/20/2009	O	Discrete	0.5	1	0.044 U	NA	0.053
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-12	1126802.9	660161.0	C70884	2/20/2009	O	Discrete	0	0.5	0.040 U	NA	0.033 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-12	1126802.9	660161.0	C70885	2/20/2009	O	Discrete	0.5	1	0.043 U	NA	0.051
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-14	1127052.9	659549.2	C70890	2/20/2009	O	Discrete	0	0.5	0.041 U	NA	0.014 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-14	1127052.9	659549.2	C70891	2/20/2009	O	Discrete	0.5	1	0.040 U	NA	0.011 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-15	1127441.8	659209.9	C70893	2/20/2009	O	Discrete	0	0.5	0.044 U	NA	0.055
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-15	1127441.8	659209.9	C70894	2/20/2009	O	Discrete	0.5	1	0.044 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-16	1127681.3	659011.8	C70896	2/20/2009	O	Discrete	0	0.5	0.046 U	NA	0.075
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-16	1127681.3	659011.8	C70897	2/20/2009	O	Discrete	0.5	1	0.057	NA	0.032 B
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-17	1127933.2	658596.4	C70899	2/19/2009	O	Discrete	0	0.5	0.38 J	NA	0.21 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-17	1127933.2	658596.4	C70900	2/19/2009	O	Discrete	0.5	1	0.16	NA	0.042 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-19	1128138.0	658194.6	C70905	2/19/2009	O	Discrete	0	0.5	0.18	NA	0.14 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-19	1128138.0	658194.6	C70906	2/19/2009	O	Discrete	0.5	1	0.065	NA	0.078 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-20	1127751.9	658205.8	C70908	2/19/2009	O	Discrete	0	0.5	0.25	NA	0.062 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-20	1127751.9	658205.8	C70909	2/19/2009	FD	Discrete	0	0.5	0.18	NA	0.082 J
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-20	1127751.9	658205.8	C70910	2/19/2009	O	Discrete	0.5	1	0.57	0.0057	0.16

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C2S	C2S-EU1	C2S-20	1127751.9	658205.8	C70911	2/19/2009	FD	Discrete	0.5	1	0.76	0.0091	0.17 J
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-01	1127867.7	657217.0	C70914	3/31/2009	O	Discrete	0	0.5	3.8	0.031	2.0 J
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-01	1127867.7	657217.0	C70915	3/31/2009	O	Discrete	0.5	1	0.29	NA	0.083 J
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-02	1126321.1	657275.8	C70917	3/31/2009	O	Discrete	0	0.5	35 J	NA	5.0
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-02	1126321.1	657275.8	C70918	3/31/2009	O	Discrete	0.5	1	21 J	NA	2.1
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-02	1126321.1	657275.8	C70919	3/31/2009	O	Discrete	1	2	10	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-03	1125895.0	657118.9	C70920	3/31/2009	O	Discrete	0	0.5	9.8	NA	5.0
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-03	1125895.0	657118.9	C70921	3/31/2009	O	Discrete	0.5	1	23 J	NA	5.5
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-03	1125895.0	657118.9	C70922	3/31/2009	O	Discrete	1	2	47	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-04	1125488.1	656816.5	C70923	3/31/2009	O	Discrete	0	0.5	29 J	NA	3.3
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-04	1125488.1	656816.5	C70924	3/31/2009	O	Discrete	0.5	1	61 J	NA	12
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-04	1125488.1	656816.5	C70925	3/31/2009	O	Discrete	1	2	4.1	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-05	1125093.6	656355.7	C70926	3/31/2009	O	Discrete	0	0.5	75 J	NA	17
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-05	1125093.6	656355.7	C70927	3/31/2009	O	Discrete	0.5	1	100 J	NA	6.0
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-05	1125093.6	656355.7	C70928	3/31/2009	O	Discrete	1	2	13 J	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-06	1124691.6	656488.3	C70929	3/31/2009	O	Discrete	0	0.5	8.7	NA	1.3
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-06	1124691.6	656488.3	C70930	3/31/2009	O	Discrete	0.5	1	23 J	NA	3.0
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-06	1124691.6	656488.3	C70931	3/31/2009	O	Discrete	1	2	61 J	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-07	1124536.0	656054.4	C70932	3/31/2009	O	Discrete	0	0.5	30 J	NA	5.3
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-07	1124536.0	656054.4	C70933	3/31/2009	O	Discrete	0.5	1	11 J	NA	1.3
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-07	1124536.0	656054.4	C70934	3/31/2009	O	Discrete	1	2	2.1	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-08	1124049.4	655857.5	C70935	3/31/2009	O	Discrete	0	0.5	20 J	NA	4.6
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-08	1124049.4	655857.5	C70936	3/31/2009	O	Discrete	0.5	1	1.2	NA	0.21
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-09	1123581.2	655714.1	C70938	3/31/2009	O	Discrete	0	0.5	3.7	0.022	0.95
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-09	1123581.2	655714.1	C70939	3/31/2009	O	Discrete	0.5	1	0.39	NA	0.14
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-10	1123573.4	655404.2	C70941	3/31/2009	O	Discrete	0	0.5	9.3	NA	2.1
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-10	1123573.4	655404.2	C70942	3/31/2009	O	Discrete	0.5	1	8.3	NA	2.2
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-10	1123573.4	655404.2	C70943	3/31/2009	O	Discrete	1	2	7.2	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-11	1123408.2	654943.5	C70944	3/31/2009	O	Discrete	0	0.5	2.3	0.017	1.2
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-11	1123408.2	654943.5	C70945	3/31/2009	O	Discrete	0.5	1	1.2	NA	0.90
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-12	1123253.4	654482.2	C70947	3/31/2009	O	Discrete	0	0.5	3.5	0.021	1.3
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-12	1123253.4	654482.2	C70948	3/31/2009	O	Discrete	0.5	1	0.30	NA	0.097
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-13	1123183.9	654164.6	C70950	3/31/2009	O	Discrete	0	0.5	8.2	NA	2.3
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-13	1123183.9	654164.6	C70951	3/31/2009	O	Discrete	0.5	1	7.1	NA	2.6
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-14	1123029.0	653703.8	C70953	3/31/2009	O	Discrete	0	0.5	6.7	NA	2.1
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3N-14	1123029.0	653703.8	C70954	3/31/2009	O	Discrete	0.5	1	0.80	0.012	0.11
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-15	1122926.1	653251.7	C70956	4/1/2009	O	Discrete	0	0.5	48 J	NA	12
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-15	1122926.1	653251.7	C70957	4/1/2009	O	Discrete	0.5	1	1.1	0.0032	0.086
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-16	1123170.7	652695.9	C70959	4/1/2009	O	Discrete	0	0.5	12 J	NA	3.2
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-16	1123170.7	652695.9	C70960	4/1/2009	O	Discrete	0.5	1	8.0 J	NA	1.5
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-17	1122684.9	652864.8	C70962	4/1/2009	O	Discrete	0	0.5	19 J	NA	3.0
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-17	1122684.9	652864.8	C70963	4/1/2009	O	Discrete	0.5	1	120 J	NA	6.0
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-17	1122684.9	652864.8	C70964	4/1/2009	O	Discrete	1	2	30 J	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-18	1122487.4	652429.8	C70965	4/1/2009	O	Discrete	0	0.5	10 J	NA	2.5
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-18	1122487.4	652429.8	C70966	4/1/2009	O	Discrete	0.5	1	27 J	NA	2.4

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-18	1122487.4	652429.8	C70967	4/1/2009	O	Discrete	1	2	59 J	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-19	1122566.7	651910.8	C70968	4/1/2009	O	Discrete	0	0.5	0.51	NA	0.19
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3N-19	1122566.7	651910.8	C70969	4/1/2009	O	Discrete	0.5	1	0.036 U	NA	0.011 B
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-01	1125697.1	656559.5	C70992	3/31/2009	O	Discrete	0	0.5	50 J	NA	4.0 J
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-01	1125697.1	656559.5	C70993	3/31/2009	O	Discrete	0.5	1	54	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-02	1125457.9	656345.8	C70994	3/31/2009	O	Discrete	0	0.5	24 J	NA	4.5 J
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-02	1125457.9	656345.8	C70995	3/31/2009	O	Discrete	0.5	1	15	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-03	1124551.6	655918.1	C70996	3/31/2009	O	Discrete	0	0.5	0.33	NA	0.44 J
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-03	1124551.6	655918.1	C70997	3/31/2009	O	Discrete	0.5	1	0.90	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-04	1124494.5	655618.3	C70998	3/31/2009	O	Discrete	0	0.5	6.6	NA	1.9
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-04	1124494.5	655618.3	C70999	3/31/2009	O	Discrete	0.5	1	6.2	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-05	1124283.0	655598.3	C71000	3/31/2009	O	Discrete	0	0.5	21 J	NA	3.7
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-05	1124283.0	655598.3	C71001	3/31/2009	O	Discrete	0.5	1	34	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-06	1124425.3	655290.3	C71002	3/31/2009	O	Discrete	0	0.5	12 J	NA	3.9
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-06	1124425.3	655290.3	C71003	3/31/2009	O	Discrete	0.5	1	0.60	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-07	1124125.9	655242.3	C71004	3/31/2009	O	Discrete	0	0.5	4.7	0.035	0.80
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-07	1124125.9	655242.3	C71005	3/31/2009	O	Discrete	0.5	1	2.4	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-08	1123826.0	655255.9	C71006	3/31/2009	O	Discrete	0	0.5	11	NA	2.4
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-08	1123826.0	655255.9	C71007	3/31/2009	O	Discrete	0.5	1	13	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-09	1124376.4	654990.1	C71008	3/31/2009	O	Discrete	0	0.5	7.5	NA	1.5
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-09	1124376.4	654990.1	C71009	3/31/2009	O	Discrete	0.5	1	1.1	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-10	1124077.0	654942.5	C71010	3/31/2009	O	Discrete	0	0.5	10 J	NA	3.3
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-10	1124077.0	654942.5	C71011	3/31/2009	O	Discrete	0.5	1	6.4	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-11	1123777.0	654955.7	C71012	3/31/2009	O	Discrete	0	0.5	14 J	NA	3.7
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-11	1123777.0	654955.7	C71013	3/31/2009	O	Discrete	0.5	1	10	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-12	1123966.8	654640.3	C71014	3/31/2009	O	Discrete	0	0.5	5.6	NA	1.2
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-12	1123966.8	654640.3	C71015	3/31/2009	O	Discrete	0.5	1	6.6 J	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-13	1123614.7	654655.3	C71016	3/31/2009	O	Discrete	0	0.5	2.3	0.021	1.1
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-13	1123614.7	654655.3	C71017	3/31/2009	O	Discrete	0.5	1	4.8	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-14	1123863.5	654155.5	C71018	3/31/2009	O	Discrete	0	0.5	6.2	NA	2.4
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-14	1123863.5	654155.5	C71019	3/31/2009	O	Discrete	0.5	1	3.8	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-15	1123888.2	653863.9	C71020	3/31/2009	O	Discrete	0	0.5	9.6	NA	2.5
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-15	1123888.2	653863.9	C71021	3/31/2009	O	Discrete	0.5	1	4.7	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-16	1123691.8	653528.5	C71022	3/31/2009	O	Discrete	0	0.5	6.4	NA	2.7
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU1	C3NF-16	1123691.8	653528.5	C71023	3/31/2009	O	Discrete	0.5	1	6.9	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-17	1123469.3	653041.0	C71024	4/1/2009	O	Discrete	0	0.5	1.9 J	NA	1.0
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-17	1123469.3	653041.0	C71025	4/1/2009	O	Discrete	0.5	1	0.43	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-18	1123410.1	652649.1	C71026	4/1/2009	O	Discrete	0	0.5	0.040 U	NA	0.036 B
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-18	1123410.1	652649.1	C71027	4/1/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-19	1123364.7	652318.0	C71028	4/1/2009	O	Discrete	0	0.5	0.38 J	NA	0.058
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-19	1123364.7	652318.0	C71029	4/1/2009	FD	Discrete	0	0.5	0.42	NA	0.050
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-19	1123364.7	652318.0	C71030	4/1/2009	O	Discrete	0.5	1	0.18 J	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-19	1123364.7	652318.0	C71031	4/1/2009	FD	Discrete	0.5	1	0.66 J	NA	NA
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-20	1123293.3	652090.9	C71032	4/1/2009	O	Discrete	0	0.5	0.060	NA	0.033
RI/FS - OU-4 Soil (P2)	C3N	C3N-EU2	C3NF-20	1123293.3	652090.9	C71033	4/1/2009	O	Discrete	0.5	1	0.043 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C2S-10	1126184.7	660394.6	C70878	2/20/2009	O	Discrete	0	0.5	0.20	NA	0.36
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C2S-10	1126184.7	660394.6	C70879	2/20/2009	O	Discrete	0.5	1	0.039	NA	0.45
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C2S-11	1126367.7	660045.1	C70881	2/20/2009	O	Discrete	0	0.5	0.040 U	NA	0.041
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C2S-11	1126367.7	660045.1	C70882	2/20/2009	O	Discrete	0.5	1	0.041 U	NA	0.069
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C2S-13	1126661.4	659774.9	C70887	2/20/2009	O	Discrete	0	0.5	0.040 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C2S-13	1126661.4	659774.9	C70888	2/20/2009	O	Discrete	0.5	1	0.040 U	NA	0.031 B
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-01	1127643.9	658191.6	C71034	3/31/2009	O	Discrete	0	0.5	1.4	0.011	0.46 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-01	1127643.9	658191.6	C71035	3/31/2009	O	Discrete	0.5	1	0.52	NA	0.35 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-02	1127438.5	657723.1	C71037	3/31/2009	O	Discrete	0	0.5	64 J	NA	4.3 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-02	1127438.5	657723.1	C71038	3/31/2009	O	Discrete	0.5	1	190 J	NA	33 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-02	1127438.5	657723.1	C71039	3/31/2009	O	Discrete	1	2	48	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-03	1127093.3	657253.0	C71040	3/31/2009	O	Discrete	0	0.5	52 J	NA	5.3 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-03	1127093.3	657253.0	C71041	3/31/2009	O	Discrete	0.5	1	18 J	NA	3.3 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-03	1127093.3	657253.0	C71042	3/31/2009	O	Discrete	1	2	7.4	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-04	1126968.7	657348.4	C71043	3/31/2009	O	Discrete	0	0.5	32 J	NA	11 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-04	1126968.7	657348.4	C71044	3/31/2009	O	Discrete	0.5	1	190 J	NA	24 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-04	1126968.7	657348.4	C71045	3/31/2009	O	Discrete	1	2	52	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-05	1126447.2	657402.4	C71046	3/31/2009	O	Discrete	0	0.5	13 J	NA	1.5 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-05	1126447.2	657402.4	C71047	3/31/2009	O	Discrete	0.5	1	19 J	NA	1.8 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-05	1126447.2	657402.4	C71048	3/31/2009	O	Discrete	1	2	26	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-06	1126814.8	657586.4	C71049	3/31/2009	O	Discrete	0	0.5	64 J	NA	5.6 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-06	1126814.8	657586.4	C71050	3/31/2009	O	Discrete	0.5	1	74 J	NA	1.8 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-06	1126814.8	657586.4	C71051	3/31/2009	O	Discrete	1	2	7.8	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-07	1126274.2	657827.4	C71052	3/31/2009	O	Discrete	0	0.5	0.18	NA	0.10 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-07	1126274.2	657827.4	C71053	3/31/2009	O	Discrete	0.5	1	0.041 U	NA	0.045 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-08	1125837.8	657915.8	C71055	3/30/2009	O	Discrete	0	0.5	0.038 U	NA	0.070
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-08	1125837.8	657915.8	C71056	3/30/2009	O	Discrete	0.5	1	0.040 U	NA	0.088
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-09	1125558.7	657713.3	C71058	3/30/2009	O	Discrete	0	0.5	0.047 U	NA	0.053 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-09	1125558.7	657713.3	C71059	3/30/2009	O	Discrete	0.5	1	0.041 U	NA	0.017 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-10	1125213.5	657243.4	C71061	3/30/2009	O	Discrete	0	0.5	0.043 U	NA	0.045 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-10	1125213.5	657243.4	C71062	3/30/2009	O	Discrete	0.5	1	0.042 U	NA	0.032 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-11	1125068.8	657389.5	C71064	3/30/2009	O	Discrete	0	0.5	0.042 U	NA	0.038 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-11	1125068.8	657389.5	C71065	3/30/2009	O	Discrete	0.5	1	0.042 U	NA	0.023 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-12	1124773.8	656874.0	C71067	3/30/2009	O	Discrete	0	0.5	0.29	NA	0.12 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-12	1124773.8	656874.0	C71068	3/30/2009	O	Discrete	0.5	1	0.22	NA	0.24 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-13	1124189.8	656564.5	C71070	3/30/2009	O	Discrete	0	0.5	0.72	NA	0.34 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3S-13	1124189.8	656564.5	C71071	3/30/2009	O	Discrete	0.5	1	0.96	0.0057	0.47 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-14	1123475.8	656038.9	C71073	3/30/2009	O	Discrete	0	0.5	0.24	NA	0.10 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-14	1123475.8	656038.9	C71074	3/30/2009	O	Discrete	0.5	1	0.042 U	NA	0.032 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-15	1122987.0	654837.5	C71076	3/30/2009	O	Discrete	0	0.5	0.74	NA	1.1 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-15	1122987.0	654837.5	C71077	3/30/2009	O	Discrete	0.5	1	0.18	NA	0.12 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-16	1122920.1	654365.2	C71079	3/30/2009	O	Discrete	0	0.5	0.25	NA	0.17 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-16	1122920.1	654365.2	C71080	3/30/2009	O	Discrete	0.5	1	0.037 U	NA	0.034 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-17	1122658.6	653807.7	C71082	3/30/2009	O	Discrete	0	0.5	0.66	0.0076	0.062 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-17	1122658.6	653807.7	C71083	3/30/2009	O	Discrete	0.5	1	0.054	NA	0.067 J

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-18	1122655.3	653328.6	C71085	3/30/2009	O	Discrete	0	0.5	31 J	NA	7.9 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-18	1122655.3	653328.6	C71086	3/30/2009	O	Discrete	0.5	1	110	NA	19 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-18	1122655.3	653328.6	C71087	3/30/2009	O	Discrete	1	2	7.2	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-19	1122336.5	653300.4	C71088	3/30/2009	O	Discrete	0	0.5	0.62	0.0065	1.0 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-19	1122336.5	653300.4	C71089	3/30/2009	O	Discrete	0.5	1	0.039 U	NA	0.038 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-20	1122171.4	652862.6	C71091	3/30/2009	O	Discrete	0	0.5	13	NA	1.9 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-20	1122171.4	652862.6	C71092	3/30/2009	O	Discrete	0.5	1	0.92	NA	0.17 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-21	1121935.6	652396.4	C71094	3/30/2009	O	Discrete	0	0.5	11	NA	3.7 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-21	1121935.6	652396.4	C71095	3/30/2009	FD	Discrete	0	0.5	12 J	NA	4.4 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-21	1121935.6	652396.4	C71096	3/30/2009	O	Discrete	0.5	1	1.2 J	0.0060	0.37 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-21	1121935.6	652396.4	C71097	3/30/2009	FD	Discrete	0.5	1	0.87	NA	0.71 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-22	1122269.3	651938.3	C71100	3/25/2009	O	Discrete	0	0.5	0.43	NA	0.27
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-22	1122269.3	651938.3	C71101	3/25/2009	O	Discrete	0.5	1	14 J	NA	5.2
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-22	1122269.3	651938.3	C71102	3/25/2009	O	Discrete	1	2	15	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-23	1121811.7	651928.5	C71103	3/25/2009	O	Discrete	0	0.5	33 J	NA	10
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-23	1121811.7	651928.5	C71104	3/25/2009	O	Discrete	0.5	1	27 J	NA	5.8
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU2	C3S-23	1121811.7	651928.5	C71105	3/25/2009	O	Discrete	1	2	9.6	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-01	1127490.4	658474.7	C71134	3/31/2009	O	Discrete	0	0.5	0.28	NA	0.23 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-01	1127490.4	658474.7	C71135	3/31/2009	O	Discrete	0.5	1	0.068	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-02	1127209.1	658854.0	C71136	3/31/2009	O	Discrete	0	0.5	0.043 U	NA	0.075 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-02	1127209.1	658854.0	C71137	3/31/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-03	1126671.2	659405.1	C71138	3/31/2009	O	Discrete	0	0.5	0.041 U	NA	0.037 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-03	1126671.2	659405.1	C71139	3/31/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-04	1126388.3	659989.3	C71140	3/30/2009	O	Discrete	0	0.5	0.040 U	NA	0.092
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-04	1126388.3	659989.3	C71141	3/30/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-05	1126851.6	659001.6	C71142	3/31/2009	O	Discrete	0	0.5	0.044 U	NA	0.046 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-05	1126851.6	659001.6	C71143	3/31/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-06	1127053.6	658432.7	C71144	3/31/2009	O	Discrete	0	0.5	0.99	NA	0.29 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-06	1127053.6	658432.7	C71145	3/31/2009	O	Discrete	0.5	1	0.043	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-07	1127296.1	658047.0	C71146	3/31/2009	O	Discrete	0	0.5	12	NA	4.6 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-07	1127296.1	658047.0	C71147	3/31/2009	O	Discrete	0.5	1	0.77	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-08	1126829.6	658592.2	C71148	3/31/2009	O	Discrete	0	0.5	0.043 U	NA	0.012 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-08	1126829.6	658592.2	C71149	3/31/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-09	1126522.5	659223.8	C71150	3/31/2009	O	Discrete	0	0.5	0.048	NA	0.064 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-09	1126522.5	659223.8	C71151	3/31/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-10	1126267.9	659627.2	C71152	3/30/2009	O	Discrete	0	0.5	0.040 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-10	1126267.9	659627.2	C71153	3/30/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-11	1126710.7	658195.1	C71154	3/31/2009	O	Discrete	0	0.5	0.042 U	NA	0.081 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-11	1126710.7	658195.1	C71155	3/31/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-12	1127060.6	657863.1	C71156	3/31/2009	O	Discrete	0	0.5	6.0	NA	3.1 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-12	1127060.6	657863.1	C71157	3/31/2009	FD	Discrete	0	0.5	7.0	NA	1.3 J
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-12	1127060.6	657863.1	C71158	3/31/2009	O	Discrete	0.5	1	0.75	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-12	1127060.6	657863.1	C71159	3/31/2009	FD	Discrete	0.5	1	0.75	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-13	1125998.2	658861.3	C71160	3/31/2009	O	Discrete	0	0.5	0.039 U	NA	0.0083 UJ
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-13	1125998.2	658861.3	C71161	3/31/2009	O	Discrete	0.5	1	0.038 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-14	1125594.5	658646.6	C71162	3/30/2009	O	Discrete	0	0.5	0.042 U	NA	0.046
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-14	1125594.5	658646.6	C71163	3/30/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-15	1125278.5	658054.3	C71164	3/30/2009	O	Discrete	0	0.5	0.040 U	NA	0.061
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-15	1125278.5	658054.3	C71165	3/30/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-16	1124796.0	658805.2	C71166	3/30/2009	O	Discrete	0	0.5	0.046 U	NA	0.076
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-16	1124796.0	658805.2	C71167	3/30/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-17	1124693.3	658413.4	C71168	3/30/2009	O	Discrete	0	0.5	0.043 U	NA	0.051
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-17	1124693.3	658413.4	C71169	3/30/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-18	1124874.2	657998.4	C71170	3/30/2009	O	Discrete	0	0.5	0.041 U	NA	0.018 B
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-18	1124874.2	657998.4	C71171	3/30/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-19	1124967.8	657599.4	C71172	3/30/2009	O	Discrete	0	0.5	0.042 U	NA	0.081
RI/FS - OU-4 Soil (P2)	C3S	C3S-EU1	C3SF-19	1124967.8	657599.4	C71173	3/30/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-20	1122115.1	651134.7	C70971	3/26/2009	O	Discrete	0	0.5	16 J	NA	1.6
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-20	1122115.1	651134.7	C70972	3/26/2009	O	Discrete	0.5	1	0.86	0.0041	0.53
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-21	1122398.5	650527.7	C70974	3/26/2009	O	Discrete	0	0.5	1.1 J	NA	0.57
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-21	1122398.5	650527.7	C70975	3/26/2009	O	Discrete	0.5	1	0.041 U	NA	0.023 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-22	1121916.9	649623.4	C70977	3/26/2009	O	Discrete	0	0.5	14 J	NA	4.6
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-22	1121916.9	649623.4	C70978	3/26/2009	FD	Discrete	0	0.5	15 J	NA	4.6
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-22	1121916.9	649623.4	C70979	3/26/2009	O	Discrete	0.5	1	0.51	NA	0.27 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-22	1121916.9	649623.4	C70980	3/26/2009	FD	Discrete	0.5	1	0.50	NA	0.26
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-23	1121559.9	649912.4	C70983	3/26/2009	O	Discrete	0	0.5	38 J	NA	8.3
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-23	1121559.9	649912.4	C70984	3/26/2009	O	Discrete	0.5	1	13 J	NA	4.9
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-23	1121559.9	649912.4	C70985	3/26/2009	O	Discrete	1	2	0.51 J	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-24	1121011.3	649602.3	C70986	3/26/2009	O	Discrete	0	0.5	0.91	0.0034	0.43
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-24	1121011.3	649602.3	C70987	3/26/2009	O	Discrete	0.5	1	0.35	NA	0.39
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-25	1121099.2	649148.3	C70989	3/26/2009	O	Discrete	0	0.5	28 J	NA	9.9
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-25	1121099.2	649148.3	C70990	3/26/2009	O	Discrete	0.5	1	13	NA	3.1
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C3N-25	1121099.2	649148.3	C70991	3/26/2009	O	Discrete	1	2	0.71	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-01	1120862.8	648140.9	C71176	3/25/2009	O	Discrete	0	0.5	11	NA	4.7
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-01	1120862.8	648140.9	C71177	3/25/2009	O	Discrete	0.5	1	0.24	NA	0.20
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-01	1120862.8	648140.9	C71178	3/25/2009	O	Discrete	1	2	0.19	NA	0.15
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-02	1120676.9	647742.6	C71181	3/25/2009	O	Discrete	0	0.5	7.4	NA	2.9
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-02	1120676.9	647742.6	C71182	3/25/2009	O	Discrete	0.5	1	0.46	NA	0.25
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-02	1120676.9	647742.6	C71183	3/25/2009	O	Discrete	1	2	0.042 U	NA	0.032 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-03	1120170.9	647558.6	C71186	3/25/2009	O	Discrete	0	0.5	13 J	NA	3.7
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-03	1120170.9	647558.6	C71187	3/25/2009	O	Discrete	0.5	1	0.61	0.0048	0.10
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-03	1120170.9	647558.6	C71188	3/25/2009	O	Discrete	1	2	0.16	NA	0.076
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-04	1120112.2	647076.6	C71191	3/23/2009	O	Discrete	0	0.5	0.043 U	NA	0.053
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-04	1120112.2	647076.6	C71192	3/23/2009	O	Discrete	0.5	1	0.041 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-04	1120112.2	647076.6	C71193	3/23/2009	O	Discrete	1	2	0.041 U	NA	0.019 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-05	1119858.3	646845.3	C71196	3/23/2009	O	Discrete	0	0.5	0.58	NA	0.39
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-05	1119858.3	646845.3	C71197	3/23/2009	O	Discrete	0.5	1	0.54	NA	0.30
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-05	1119858.3	646845.3	C71198	3/23/2009	O	Discrete	1	2	0.77	NA	0.30
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-06	1120458.6	646540.6	C71201	3/23/2009	O	Discrete	0	0.5	3.5	NA	1.2
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-06	1120458.6	646540.6	C71202	3/23/2009	O	Discrete	0.5	1	4.1	0.034	0.95

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-06	1120458.6	646540.6	C71203	3/23/2009	O	Discrete	1	2	3.5	0.020	0.51
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-06	1120458.6	646540.6	C71204	3/23/2009	O	Discrete	2	3	0.18	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-07	1120592.7	646292.9	C71206	3/23/2009	O	Discrete	0	0.5	3.0	NA	1.1
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-07	1120592.7	646292.9	C71207	3/23/2009	O	Discrete	0.5	1	0.10	NA	0.051
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-08	1120322.0	645678.6	C71209	3/23/2009	O	Discrete	0	0.5	0.46	NA	0.25
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-08	1120322.0	645678.6	C71210	3/23/2009	O	Discrete	0.5	1	0.038 U	NA	0.068
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-09	1119855.8	645913.3	C71212	3/23/2009	O	Discrete	0	0.5	0.59	NA	0.19
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-09	1119855.8	645913.3	C71213	3/23/2009	O	Discrete	0.5	1	0.041 U	NA	0.092
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-10	1119273.0	646398.8	C71215	3/23/2009	O	Discrete	0	0.5	31 J	NA	9.3
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-10	1119273.0	646398.8	C71216	3/23/2009	O	Discrete	0.5	1	0.64	NA	0.39
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-11	1119390.0	645946.7	C71218	3/23/2009	O	Discrete	0	0.5	1.8	NA	1.3
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-11	1119390.0	645946.7	C71219	3/23/2009	O	Discrete	0.5	1	0.94	NA	0.12
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-12	1119479.9	645481.0	C71221	3/23/2009	O	Discrete	0	0.5	0.66	0.0076	0.52
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-12	1119479.9	645481.0	C71222	3/23/2009	O	Discrete	0.5	1	0.039 U	NA	0.10
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-13	1119187.8	645015.3	C71224	3/24/2009	O	Discrete	0	0.5	18 J	NA	17 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-13	1119187.8	645015.3	C71225	3/24/2009	O	Discrete	0.5	1	9.3	NA	0.50 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-13	1119187.8	645015.3	C71226	3/24/2009	O	Discrete	1	2	1.5	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-14	1119210.7	644549.5	C71227	3/23/2009	O	Discrete	0	0.5	9.8 J	NA	3.9
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-14	1119210.7	644549.5	C71228	3/23/2009	O	Discrete	0.5	1	7.1	NA	1.3
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-15	1118805.8	644132.3	C71230	3/23/2009	O	Discrete	0	0.5	3.3	NA	0.91
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-15	1118805.8	644132.3	C71231	3/23/2009	FD	Discrete	0	0.5	3.0	NA	1.0
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-15	1118805.8	644132.3	C71232	3/23/2009	O	Discrete	0.5	1	3.2 J	NA	1.1
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-15	1118805.8	644132.3	C71233	3/23/2009	FD	Discrete	0.5	1	3.1 J	2.4	1.2
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-16	1119271.5	644083.7	C71236	3/23/2009	O	Discrete	0	0.5	1.6	NA	0.99
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-16	1119271.5	644083.7	C71237	3/23/2009	O	Discrete	0.5	1	0.16	NA	0.11
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-17	1119127.4	643617.7	C71239	3/23/2009	O	Discrete	0	0.5	10	NA	3.8
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-17	1119127.4	643617.7	C71240	3/23/2009	O	Discrete	0.5	1	5.6	NA	2.9
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-18	1119636.4	643118.0	C71242	3/23/2009	O	Discrete	0	0.5	2.2 J	NA	0.70
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-18	1119636.4	643118.0	C71243	3/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.045 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-19	1119746.7	642652.3	C71245	3/23/2009	O	Discrete	0	0.5	0.41 J	NA	0.29 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-19	1119746.7	642652.3	C71246	3/23/2009	O	Discrete	0.5	1	0.042 U	NA	0.057 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-20	1119280.4	642685.9	C71248	3/23/2009	O	Discrete	0	0.5	3.2 J	0.018	0.99 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4N-20	1119280.4	642685.9	C71249	3/23/2009	O	Discrete	0.5	1	5.1 J	NA	1.1 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-21	1118851.1	642271.6	C71251	3/23/2009	O	Discrete	0	0.5	13 J	NA	0.80 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-21	1118851.1	642271.6	C71252	3/23/2009	O	Discrete	0.5	1	0.54	NA	1.3 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-22	1119155.4	641797.3	C71254	3/24/2009	O	Discrete	0	0.5	0.23	NA	0.33 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-22	1119155.4	641797.3	C71255	3/24/2009	O	Discrete	0.5	1	0.042 U	NA	0.050 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-23	1118672.5	641807.8	C71257	3/23/2009	O	Discrete	0	0.5	4.7 J	NA	0.95 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-23	1118672.5	641807.8	C71258	3/23/2009	O	Discrete	0.5	1	23 J	NA	16 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-23	1118672.5	641807.8	C71259	3/23/2009	O	Discrete	1	2	0.72	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-24	1118212.4	641805.6	C71260	3/24/2009	O	Discrete	0	0.5	4.6	NA	1.9 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-24	1118212.4	641805.6	C71261	3/24/2009	O	Discrete	0.5	1	12 J	NA	4.1 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-24	1118212.4	641805.6	C71262	3/24/2009	O	Discrete	1	2	5.0	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-25	1118691.5	641338.5	C71263	3/14/2009	O	Discrete	0	0.5	0.24	NA	0.35
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-25	1118691.5	641338.5	C71264	3/14/2009	O	Discrete	0.5	1	0.040 U	NA	0.086

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-26	1119107.5	639890.8	C71266	3/14/2009	O	Discrete	0	0.5	6.2	NA	2.1
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-26	1119107.5	639890.8	C71267	3/14/2009	O	Discrete	0.5	1	14 J	NA	2.8
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-26	1119107.5	639890.8	C71268	3/14/2009	O	Discrete	1	2	4.2	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-27	1119026.6	639418.1	C71269	3/14/2009	O	Discrete	0	0.5	1.7	0.015	1.6
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-27	1119026.6	639418.1	C71270	3/14/2009	O	Discrete	0.5	1	0.14	NA	0.26
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-28	1119468.5	638959.3	C71272	3/14/2009	O	Discrete	0	0.5	0.041 U	NA	0.19
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-28	1119468.5	638959.3	C71273	3/14/2009	O	Discrete	0.5	1	0.041 U	NA	0.16
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-29	1119255.6	638489.5	C71275	3/14/2009	O	Discrete	0	0.5	7.4	NA	3.0
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-29	1119255.6	638489.5	C71276	3/14/2009	O	Discrete	0.5	1	0.42	NA	0.74
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-30	1119414.2	638028.5	C71278	3/13/2009	O	Discrete	0	0.5	0.35 J	NA	0.42
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-30	1119414.2	638028.5	C71279	3/13/2009	O	Discrete	0.5	1	0.042 U	NA	0.055
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-31	1119349.2	637562.5	C71281	3/13/2009	O	Discrete	0	0.5	3.4	0.017	0.59
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-31	1119349.2	637562.5	C71282	3/13/2009	O	Discrete	0.5	1	0.27	NA	0.081
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-32	1119467.6	637083.1	C71284	3/13/2009	O	Discrete	0	0.5	0.16	NA	0.16
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-32	1119467.6	637083.1	C71285	3/13/2009	O	Discrete	0.5	1	0.039 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-33	1118946.2	636681.7	C71287	3/13/2009	O	Discrete	0	0.5	4.9	0.038	3.0
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-33	1118946.2	636681.7	C71288	3/13/2009	O	Discrete	0.5	1	0.12	NA	0.30
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-34	1119409.7	636630.1	C71290	3/13/2009	O	Discrete	0	0.5	0.039 U	NA	0.10
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-34	1119409.7	636630.1	C71291	3/13/2009	O	Discrete	0.5	1	0.038 U	NA	0.0069 U
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-35	1119975.8	636642.7	C71293	3/13/2009	O	Discrete	0	0.5	0.039 U	NA	0.064
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-35	1119975.8	636642.7	C71294	3/13/2009	O	Discrete	0.5	1	0.040 U	NA	0.025 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-36	1120341.9	636361.3	C71296	3/13/2009	O	Discrete	0	0.5	0.084	NA	0.18
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-36	1120341.9	636361.3	C71297	3/13/2009	O	Discrete	0.5	1	0.040 U	NA	0.025 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-37	1120149.8	635894.0	C71299	3/13/2009	O	Discrete	0	0.5	1.6 J	NA	1.2
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-37	1120149.8	635894.0	C71300	3/13/2009	FD	Discrete	0	0.5	1.6	0.016	1.2
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-37	1120149.8	635894.0	C71301	3/13/2009	O	Discrete	0.5	1	0.059	NA	0.18
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-37	1120149.8	635894.0	C71302	3/13/2009	FD	Discrete	0.5	1	0.17	NA	0.13
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-38	1120613.3	636053.9	C71305	3/13/2009	O	Discrete	0	0.5	6.0 J	NA	4.0
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-38	1120613.3	636053.9	C71306	3/13/2009	O	Discrete	0.5	1	2.4 J	0.013	0.38
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-39	1121080.5	636180.1	C71308	3/13/2009	O	Discrete	0	0.5	0.31	NA	1.3
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-39	1121080.5	636180.1	C71309	3/13/2009	O	Discrete	0.5	1	0.078	NA	0.34
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-40	1121546.1	636186.3	C71311	3/13/2009	O	Discrete	0	0.5	0.81	NA	0.66
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-40	1121546.1	636186.3	C71312	3/13/2009	O	Discrete	0.5	1	0.044 U	NA	0.061
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-41	1121999.5	636277.0	C71314	3/13/2009	O	Discrete	0	0.5	0.11	NA	0.29
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-41	1121999.5	636277.0	C71315	3/13/2009	O	Discrete	0.5	1	0.047	NA	0.12
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-42	1122332.4	635128.7	C71317	3/9/2009	O	Discrete	0	0.5	0.045	NA	0.037
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-42	1122332.4	635128.7	C71318	3/9/2009	O	Discrete	0.5	1	0.037 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-43	1121894.2	634876.4	C71320	3/9/2009	O	Discrete	0	0.5	24 J	NA	22
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-43	1121894.2	634876.4	C71321	3/9/2009	O	Discrete	0.5	1	16 J	NA	5.9
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-43	1121894.2	634876.4	C71322	3/9/2009	O	Discrete	1	2	1.8	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-44	1121662.0	634322.0	C71323	3/9/2009	O	Discrete	0	0.5	5.4	NA	3.1
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4N-44	1121662.0	634322.0	C71324	3/9/2009	O	Discrete	0.5	1	0.45	NA	0.63
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-01	1121360.5	647793.5	C71362	3/25/2009	O	Discrete	0	0.5	1.2	NA	0.85 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-01	1121360.5	647793.5	C71363	3/25/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-02	1122023.4	647272.0	C71364	3/23/2009	O	Discrete	0	0.5	0.17	NA	0.14

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-02	1122023.4	647272.0	C71365	3/23/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-03	1121515.7	647138.5	C71366	3/23/2009	O	Discrete	0	0.5	0.40	NA	0.28
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-03	1121515.7	647138.5	C71367	3/23/2009	O	Discrete	0.5	1	0.61	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-04	1120839.0	647095.1	C71368	3/23/2009	O	Discrete	0	0.5	0.17	NA	0.35
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-04	1120839.0	647095.1	C71369	3/23/2009	FD	Discrete	0	0.5	0.22	NA	0.29
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-04	1120839.0	647095.1	C71370	3/23/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-04	1120839.0	647095.1	C71371	3/23/2009	FD	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-05	1121634.0	646347.1	C71372	3/24/2009	O	Discrete	0	0.5	0.66 J	NA	0.38 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-05	1121634.0	646347.1	C71373	3/24/2009	O	Discrete	0.5	1	0.57	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-06	1120961.6	646324.8	C71374	3/23/2009	O	Discrete	0	0.5	0.039 U	NA	0.058
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-06	1120961.6	646324.8	C71375	3/23/2009	O	Discrete	0.5	1	0.047	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-07	1121252.5	645792.6	C71376	3/24/2009	O	Discrete	0	0.5	0.080	NA	0.11 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-07	1121252.5	645792.6	C71377	3/24/2009	O	Discrete	0.5	1	0.20	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-08	1119925.6	645382.5	C71378	3/23/2009	O	Discrete	0	0.5	20 J	NA	4.3
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-08	1119925.6	645382.5	C71379	3/23/2009	O	Discrete	0.5	1	3.5	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-09	1121153.5	645149.2	C71380	3/24/2009	O	Discrete	0	0.5	0.49 J	NA	0.59 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-09	1121153.5	645149.2	C71381	3/24/2009	O	Discrete	0.5	1	0.058	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-10	1120431.4	645180.8	C71382	3/24/2009	O	Discrete	0	0.5	0.43 J	NA	0.31 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-10	1120431.4	645180.8	C71383	3/24/2009	O	Discrete	0.5	1	0.63	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-11	1119818.0	644718.8	C71384	3/23/2009	O	Discrete	0	0.5	0.042 U	NA	0.073
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-11	1119818.0	644718.8	C71385	3/23/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-12	1120836.1	644407.7	C71386	3/24/2009	O	Discrete	0	0.5	0.61 J	NA	0.66 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-12	1120836.1	644407.7	C71387	3/24/2009	O	Discrete	0.5	1	0.047	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-13	1119509.1	644074.7	C71388	3/24/2009	O	Discrete	0	0.5	1.1 J	0.014	0.81 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-13	1119509.1	644074.7	C71389	3/24/2009	O	Discrete	0.5	1	0.060	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-14	1120172.8	644056.0	C71390	3/24/2009	O	Discrete	0	0.5	1.5 J	NA	0.89 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-14	1120172.8	644056.0	C71391	3/24/2009	O	Discrete	0.5	1	0.047	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-15	1120525.8	643783.4	C71392	3/24/2009	O	Discrete	0	0.5	0.65	NA	0.56 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-15	1120525.8	643783.4	C71393	3/24/2009	O	Discrete	0.5	1	0.15	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-16	1119910.5	643376.3	C71394	3/24/2009	O	Discrete	0	0.5	0.94 J	NA	0.91 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-16	1119910.5	643376.3	C71395	3/24/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-17	1120140.2	643208.4	C71396	3/24/2009	O	Discrete	0	0.5	1.1	NA	0.84 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-17	1120140.2	643208.4	C71397	3/24/2009	O	Discrete	0.5	1	0.65	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-18	1121208.2	643160.6	C71398	3/15/2009	O	Discrete	0	0.5	0.044 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-18	1121208.2	643160.6	C71399	3/15/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-19	1121862.3	643288.4	C71400	3/15/2009	O	Discrete	0	0.5	0.042 U	NA	0.047
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-19	1121862.3	643288.4	C71401	3/15/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-20	1122366.0	642958.1	C71402	3/15/2009	O	Discrete	0	0.5	0.099 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-20	1122366.0	642958.1	C71403	3/15/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-21	1121786.2	642631.8	C71404	3/15/2009	O	Discrete	0	0.5	0.046 U	NA	0.049
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-21	1121786.2	642631.8	C71405	3/15/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-22	1121135.4	642544.9	C71406	3/15/2009	O	Discrete	0	0.5	0.052 U	NA	0.071
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-22	1121135.4	642544.9	C71407	3/15/2009	O	Discrete	0.5	1	0.046 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-23	1120415.7	642411.1	C71408	3/15/2009	O	Discrete	0	0.5	0.047 U	NA	0.077
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-23	1120415.7	642411.1	C71409	3/15/2009	O	Discrete	0.5	1	0.045 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-24	1119790.7	642728.3	C71410	3/23/2009	O	Discrete	0	0.5	0.50	NA	0.42
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU1	C4NF-24	1119790.7	642728.3	C71411	3/23/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-25	1119741.1	641977.1	C71412	3/14/2009	O	Discrete	0	0.5	0.14	NA	0.12
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-25	1119741.1	641977.1	C71413	3/14/2009	O	Discrete	0.5	1	0.044 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-26	1119671.9	641400.1	C71414	3/14/2009	O	Discrete	0	0.5	0.054 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-26	1119671.9	641400.1	C71415	3/14/2009	FD	Discrete	0	0.5	0.045 U	NA	0.056
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-26	1119671.9	641400.1	C71416	3/14/2009	O	Discrete	0.5	1	0.062	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-26	1119671.9	641400.1	C71417	3/14/2009	FD	Discrete	0.5	1	0.075	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-27	1119955.1	638084.5	C71418	3/13/2009	O	Discrete	0	0.5	0.040 U	NA	0.073
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-27	1119955.1	638084.5	C71419	3/13/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-28	1120592.7	637786.5	C71420	3/13/2009	O	Discrete	0	0.5	0.062	NA	0.12
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-28	1120592.7	637786.5	C71421	3/13/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-29	1119937.7	637423.8	C71422	3/13/2009	O	Discrete	0	0.5	1.2 J	NA	0.30
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-29	1119937.7	637423.8	C71423	3/13/2009	O	Discrete	0.5	1	0.073	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-30	1120482.0	637103.5	C71424	3/13/2009	O	Discrete	0	0.5	0.13	NA	0.13
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-30	1120482.0	637103.5	C71425	3/13/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-31	1121081.3	637116.5	C71426	3/13/2009	O	Discrete	0	0.5	0.10	NA	0.10
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-31	1121081.3	637116.5	C71427	3/13/2009	O	Discrete	0.5	1	0.050	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-32	1120595.2	636446.4	C71428	3/13/2009	O	Discrete	0	0.5	0.041	NA	0.11
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-32	1120595.2	636446.4	C71429	3/13/2009	O	Discrete	0.5	1	0.063	NA	NA
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-33	1121837.0	636654.5	C71430	3/13/2009	O	Discrete	0	0.5	0.32	NA	0.34 J
RI/FS - OU-4 Soil (P2)	C4N	C4N-EU2	C4NF-33	1121837.0	636654.5	C71431	3/13/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-24	1121922.3	651461.8	C71106	3/25/2009	O	Discrete	0	0.5	12 J	NA	6.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-24	1121922.3	651461.8	C71107	3/25/2009	O	Discrete	0.5	1	6.3	NA	2.4
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-25	1121926.7	650991.4	C71109	3/25/2009	O	Discrete	0	0.5	25 J	NA	6.6
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-25	1121926.7	650991.4	C71110	3/25/2009	O	Discrete	0.5	1	24 J	NA	7.1
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-25	1121926.7	650991.4	C71111	3/25/2009	O	Discrete	1	2	1.8	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-26	1121452.7	650894.3	C71112	3/25/2009	O	Discrete	0	0.5	4.6	0.038	2.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-26	1121452.7	650894.3	C71113	3/25/2009	O	Discrete	0.5	1	2.1	0.018	0.94
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-27	1121629.1	650422.8	C71115	3/25/2009	O	Discrete	0	0.5	1.4	NA	0.89
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-27	1121629.1	650422.8	C71116	3/25/2009	O	Discrete	0.5	1	0.38	NA	0.17
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-28	1121223.0	650378.6	C71118	3/25/2009	O	Discrete	0	0.5	24 J	NA	6.6
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-28	1121223.0	650378.6	C71119	3/25/2009	O	Discrete	0.5	1	46 J	NA	1.7
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-28	1121223.0	650378.6	C71120	3/25/2009	O	Discrete	1	2	5.4 J	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-29	1120730.5	650178.0	C71121	3/25/2009	O	Discrete	0	0.5	2.5	NA	1.4
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-29	1120730.5	650178.0	C71122	3/25/2009	O	Discrete	0.5	1	0.27	NA	0.74
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-30	1120505.5	649756.4	C71124	3/26/2009	O	Discrete	0	0.5	7.4 J	NA	2.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-30	1120505.5	649756.4	C71125	3/26/2009	O	Discrete	0.5	1	0.14	NA	0.32
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-30	1120505.5	649756.4	C71126	3/26/2009	O	Discrete	1	2	0.040 U	NA	0.083
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-31	1120768.8	649238.6	C71129	3/25/2009	O	Discrete	0	0.5	1.6	NA	1.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-31	1120768.8	649238.6	C71130	3/25/2009	O	Discrete	0.5	1	0.21	NA	0.038
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3S-31	1120768.8	649238.6	C71131	3/25/2009	O	Discrete	1	2	0.21	NA	0.052
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3SF-20	1120491.7	649969.6	C71174	3/25/2009	O	Discrete	0	0.5	3.4	NA	2.9
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C3SF-20	1120491.7	649969.6	C71175	3/25/2009	O	Discrete	0.5	1	0.069	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-01	1120829.6	648901.1	C71454	3/16/2009	O	Discrete	0	0.5	14 J	NA	2.9

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-01	1120829.6	648901.1	C71455	3/16/2009	O	Discrete	0.5	1	27 J	NA	4.1
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-01	1120829.6	648901.1	C71456	3/16/2009	O	Discrete	1	2	320 J	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-02	1120366.9	648972.1	C71457	3/16/2009	O	Discrete	0	0.5	7.4	NA	2.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-02	1120366.9	648972.1	C71458	3/16/2009	O	Discrete	0.5	1	1.9	NA	1.4
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-02	1120366.9	648972.1	C71459	3/16/2009	O	Discrete	1	2	0.33	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-03	1120618.5	648510.1	C71460	3/16/2009	O	Discrete	0	0.5	4.4	0.023	2.7
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-03	1120618.5	648510.1	C71461	3/16/2009	O	Discrete	0.5	1	5.3	NA	2.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-03	1120618.5	648510.1	C71462	3/16/2009	O	Discrete	1	2	4.7	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-04	1120010.0	648293.8	C71463	3/16/2009	O	Discrete	0	0.5	52 J	NA	16
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-04	1120010.0	648293.8	C71464	3/16/2009	O	Discrete	0.5	1	34 J	NA	2.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-04	1120010.0	648293.8	C71465	3/16/2009	O	Discrete	1	2	11	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C71466	3/16/2009	O	Discrete	0	0.5	3.2 J	NA	0.81
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C71467	3/16/2009	FD	Discrete	0	0.5	3.5	NA	1.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C71468	3/16/2009	O	Discrete	0.5	1	1.8 J	0.011	0.63
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C71469	3/16/2009	FD	Discrete	0.5	1	1.2	NA	0.86
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C71470	3/16/2009	O	Discrete	1	2	2.1 J	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C71471	3/16/2009	FD	Discrete	1	2	2.1	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-06	1119519.9	647880.1	C71472	3/16/2009	O	Discrete	0	0.5	26 J	NA	4.5
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-06	1119519.9	647880.1	C71473	3/16/2009	O	Discrete	0.5	1	32 J	NA	8.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-06	1119519.9	647880.1	C71474	3/16/2009	O	Discrete	1	2	150 J	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-07	1119544.7	647424.1	C71475	3/16/2009	O	Discrete	0	0.5	0.27	NA	0.17
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-07	1119544.7	647424.1	C71476	3/16/2009	O	Discrete	0.5	1	0.14	NA	0.88
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-08	1119143.9	647220.1	C71478	3/16/2009	O	Discrete	0	0.5	22 J	NA	10
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-08	1119143.9	647220.1	C71479	3/16/2009	O	Discrete	0.5	1	2.0	0.019	0.93
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-09	1119295.6	646769.1	C71481	3/16/2009	O	Discrete	0	0.5	7.9	NA	4.3
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-09	1119295.6	646769.1	C71482	3/16/2009	O	Discrete	0.5	1	13 J	NA	5.5
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-09	1119295.6	646769.1	C71483	3/16/2009	O	Discrete	1	2	4.1	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-10	1118801.9	646533.4	C71484	3/16/2009	O	Discrete	0	0.5	3.5	NA	1.5
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-10	1118801.9	646533.4	C71485	3/16/2009	O	Discrete	0.5	1	0.53	0.0052	0.11
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-11	1118796.0	646124.5	C71487	3/16/2009	O	Discrete	0	0.5	0.038 U	NA	0.087
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-11	1118796.0	646124.5	C71488	3/16/2009	O	Discrete	0.5	1	0.046	NA	0.084
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-12	1118932.9	645857.2	C71490	3/16/2009	O	Discrete	0	0.5	0.036 U	NA	0.0064 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4S-12	1118932.9	645857.2	C71491	3/16/2009	O	Discrete	0.5	1	0.034 U	NA	0.0059 U
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-13	1118842.5	645188.4	C71493	3/16/2009	O	Discrete	0	0.5	0.048 U	NA	0.062
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-13	1118842.5	645188.4	C71494	3/16/2009	O	Discrete	0.5	1	0.046 U	NA	0.032 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-14	1118697.9	644725.0	C71496	3/16/2009	O	Discrete	0	0.5	0.045 U	NA	0.049
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-14	1118697.9	644725.0	C71497	3/16/2009	O	Discrete	0.5	1	0.043 U	NA	0.029 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-15	1118272.8	644590.9	C71499	3/16/2009	O	Discrete	0	0.5	0.045 U	NA	0.018 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-15	1118272.8	644590.9	C71500	3/16/2009	O	Discrete	0.5	1	0.046 U	NA	0.027 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-16	1118417.2	643801.3	C71502	3/16/2009	O	Discrete	0	0.5	5.7 J	NA	2.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-16	1118417.2	643801.3	C71503	3/16/2009	O	Discrete	0.5	1	3.6 J	NA	2.4
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-17	1118846.5	643339.3	C71505	3/16/2009	O	Discrete	0	0.5	4.4 J	NA	2.1
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-17	1118846.5	643339.3	C71506	3/16/2009	O	Discrete	0.5	1	0.34	NA	0.14
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-18	1118380.5	643647.3	C71508	3/16/2009	O	Discrete	0	0.5	1.6 J	NA	0.61
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-18	1118380.5	643647.3	C71509	3/16/2009	O	Discrete	0.5	1	0.88	NA	0.17

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-19	1118979.0	643066.0	C71511	3/16/2009	O	Discrete	0	0.5	3.8 J	NA	1.4
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-19	1118979.0	643066.0	C71512	3/16/2009	O	Discrete	0.5	1	4.0	0.020	1.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-20	1118211.1	642278.5	C71514	3/16/2009	O	Discrete	0	0.5	0.044 U	NA	0.053
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-20	1118211.1	642278.5	C71515	3/16/2009	O	Discrete	0.5	1	0.58 J	NA	0.51
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-21	1117732.2	641403.5	C71517	3/16/2009	O	Discrete	0	0.5	2.3 J	0.013	0.71
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-21	1117732.2	641403.5	C71518	3/16/2009	O	Discrete	0.5	1	0.52 J	NA	0.079
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-22	1117856.6	640959.8	C71520	3/26/2009	O	Discrete	0	0.5	4.1 J	0.028	2.5
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-22	1117856.6	640959.8	C71521	3/26/2009	O	Discrete	0.5	1	0.13	NA	0.19
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-23	1118289.6	640905.3	C71523	3/24/2009	O	Discrete	0	0.5	0.36	NA	0.29 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-23	1118289.6	640905.3	C71524	3/24/2009	O	Discrete	0.5	1	0.043	NA	0.097 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-24	1118081.3	640396.7	C71526	3/24/2009	O	Discrete	0	0.5	9.0	NA	2.9 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-24	1118081.3	640396.7	C71527	3/24/2009	O	Discrete	0.5	1	3.0	0.023	1.9 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-25	1118611.7	640022.7	C71529	3/24/2009	O	Discrete	0	0.5	17 J	NA	8.9 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-25	1118611.7	640022.7	C71530	3/24/2009	O	Discrete	0.5	1	3.4	NA	1.0 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-26	1118476.7	639887.4	C71532	3/24/2009	O	Discrete	0	0.5	1.3	NA	1.1 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-26	1118476.7	639887.4	C71533	3/24/2009	O	Discrete	0.5	1	0.057	NA	0.78 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-27	1118693.2	639191.2	C71535	3/25/2009	O	Discrete	0	0.5	4.3	0.031	3.1 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-27	1118693.2	639191.2	C71536	3/25/2009	FD	Discrete	0	0.5	3.0	0.022	1.8 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-27	1118693.2	639191.2	C71537	3/25/2009	O	Discrete	0.5	1	0.087	NA	0.098
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-27	1118693.2	639191.2	C71538	3/25/2009	FD	Discrete	0.5	1	0.24	NA	0.077
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-28	1118949.7	638811.8	C71541	3/25/2009	O	Discrete	0	0.5	11	NA	5.6
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-28	1118949.7	638811.8	C71542	3/25/2009	O	Discrete	0.5	1	3.4	NA	0.90
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-29	1118673.5	638259.7	C71544	3/25/2009	O	Discrete	0	0.5	4.5	NA	2.6
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-29	1118673.5	638259.7	C71545	3/25/2009	O	Discrete	0.5	1	0.15	NA	0.056
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-30	1118953.0	637985.9	C71547	3/25/2009	O	Discrete	0	0.5	10	NA	4.6
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-30	1118953.0	637985.9	C71548	3/25/2009	O	Discrete	0.5	1	1.7	NA	0.36
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-31	1119019.3	637523.4	C71550	3/26/2009	O	Discrete	0	0.5	3.6 J	0.026	2.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-31	1119019.3	637523.4	C71551	3/26/2009	O	Discrete	0.5	1	0.18	NA	0.24
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-32	1118557.2	637270.3	C71553	3/26/2009	O	Discrete	0	0.5	0.65 J	NA	0.56
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-32	1118557.2	637270.3	C71554	3/26/2009	O	Discrete	0.5	1	0.040	NA	0.058
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-33	1118946.6	637029.2	C71556	3/26/2009	O	Discrete	0	0.5	1.4 J	NA	1.1
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-33	1118946.6	637029.2	C71557	3/26/2009	O	Discrete	0.5	1	17 J	NA	3.8
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4S-33	1118946.6	637029.2	C71558	3/26/2009	O	Discrete	1	2	16	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-34	1118526.6	636411.1	C71559	3/11/2009	O	Discrete	0	0.5	0.040 U	NA	0.068
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-34	1118526.6	636411.1	C71560	3/11/2009	O	Discrete	0.5	1	0.040 U	NA	0.056
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-35	1118411.7	636294.7	C71562	3/11/2009	O	Discrete	0	0.5	0.041 U	NA	0.055
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-35	1118411.7	636294.7	C71563	3/11/2009	O	Discrete	0.5	1	0.044 U	NA	0.056
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-36	1118826.8	635928.8	C71565	3/11/2009	O	Discrete	0	0.5	1.1	NA	0.99
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-36	1118826.8	635928.8	C71566	3/11/2009	O	Discrete	0.5	1	0.32	NA	0.097
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-37	1119091.8	635673.8	C71568	3/11/2009	O	Discrete	0	0.5	0.063	NA	0.15
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-37	1119091.8	635673.8	C71569	3/11/2009	O	Discrete	0.5	1	0.039 U	NA	0.034
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-38	1119340.6	636136.4	C71571	3/11/2009	O	Discrete	0	0.5	0.40	NA	0.63
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-38	1119340.6	636136.4	C71572	3/11/2009	O	Discrete	0.5	1	0.27	NA	0.40
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-39	1119554.5	635878.7	C71574	3/11/2009	O	Discrete	0	0.5	0.37	NA	0.44
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-39	1119554.5	635878.7	C71575	3/11/2009	O	Discrete	0.5	1	0.041 U	NA	0.28

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-40	1119801.7	636340.5	C71577	3/11/2009	O	Discrete	0	0.5	16 J	NA	4.1
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-40	1119801.7	636340.5	C71578	3/11/2009	O	Discrete	0.5	1	1.8	NA	1.3
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-41	1119702.7	635415.1	C71580	3/11/2009	O	Discrete	0	0.5	4.7	0.025	1.1
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-41	1119702.7	635415.1	C71581	3/11/2009	O	Discrete	0.5	1	3.1	NA	1.3
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-42	1120163.8	635361.8	C71583	3/11/2009	O	Discrete	0	0.5	0.31	NA	0.24
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-42	1120163.8	635361.8	C71584	3/11/2009	O	Discrete	0.5	1	0.054	NA	0.16
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-43	1120477.9	635574.3	C71586	3/11/2009	O	Discrete	0	0.5	1.2 J	NA	0.35
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-43	1120477.9	635574.3	C71587	3/11/2009	O	Discrete	0.5	1	1.1 J	NA	0.74
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-44	1120861.4	635501.5	C71589	3/11/2009	O	Discrete	0	0.5	13 J	NA	7.3
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-44	1120861.4	635501.5	C71590	3/11/2009	O	Discrete	0.5	1	1.1 J	NA	1.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-45	1121401.9	635649.8	C71592	3/11/2009	O	Discrete	0	0.5	0.072	NA	0.18
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-45	1121401.9	635649.8	C71593	3/11/2009	O	Discrete	0.5	1	0.12	NA	0.058
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-46	1121864.0	635704.8	C71595	3/11/2009	O	Discrete	0	0.5	1.2 J	NA	1.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-46	1121864.0	635704.8	C71596	3/11/2009	O	Discrete	0.5	1	0.47 J	NA	0.16
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-47	1121546.0	635195.3	C71598	3/11/2009	O	Discrete	0	0.5	11 J	NA	4.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-47	1121546.0	635195.3	C71599	3/11/2009	O	Discrete	0.5	1	1.8	0.029	0.16
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-48	1121293.4	634726.4	C71601	3/11/2009	O	Discrete	0	0.5	1.4	NA	1.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-48	1121293.4	634726.4	C71602	3/11/2009	O	Discrete	0.5	1	0.22	NA	0.24
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-49	1121012.9	634117.9	C71604	3/12/2009	O	Discrete	0	0.5	2.7 J	NA	1.2
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-49	1121012.9	634117.9	C71605	3/12/2009	FD	Discrete	0	0.5	3.0	0.029	1.4
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-49	1121012.9	634117.9	C71606	3/12/2009	O	Discrete	0.5	1	5.7	NA	2.7
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-49	1121012.9	634117.9	C71607	3/12/2009	FD	Discrete	0.5	1	8.6	NA	2.3
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-49	1121012.9	634117.9	C71608	3/12/2009	O	Discrete	1	2	5.9	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-49	1121012.9	634117.9	C71609	3/12/2009	FD	Discrete	1	2	4.4	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-50	1120550.4	634188.2	C71610	3/11/2009	O	Discrete	0	0.5	3.4 J	NA	0.49
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4S-50	1120550.4	634188.2	C71611	3/11/2009	O	Discrete	0.5	1	0.050	NA	0.17
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4SF-01	1119745.0	648788.4	C71637	3/16/2009	O	Discrete	0	0.5	0.41	NA	0.89
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4SF-01	1119745.0	648788.4	C71638	3/16/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4SF-02	1118661.5	646898.1	C71639	3/16/2009	O	Discrete	0	0.5	0.13	NA	0.16
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4SF-02	1118661.5	646898.1	C71640	3/16/2009	O	Discrete	0.5	1	0.065	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4SF-03	1118148.0	646168.3	C71641	3/16/2009	O	Discrete	0	0.5	0.044 U	NA	0.030 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU1	C4SF-03	1118148.0	646168.3	C71642	3/16/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-04	1118062.2	645515.8	C71643	3/16/2009	O	Discrete	0	0.5	0.043 U	NA	0.015 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-04	1118062.2	645515.8	C71644	3/16/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-05	1118004.4	644535.8	C71645	3/16/2009	O	Discrete	0	0.5	0.041 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-05	1118004.4	644535.8	C71646	3/16/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-06	1117852.0	643883.5	C71647	3/16/2009	O	Discrete	0	0.5	0.040 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-06	1117852.0	643883.5	C71648	3/16/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-07	1117056.8	641681.5	C71649	3/16/2009	O	Discrete	0	0.5	0.20 J	NA	0.43
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-07	1117056.8	641681.5	C71650	3/16/2009	O	Discrete	0.5	1	0.090	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-08	1117423.4	641279.8	C71651	3/16/2009	O	Discrete	0	0.5	1.5 J	NA	1.1
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-08	1117423.4	641279.8	C71652	3/16/2009	O	Discrete	0.5	1	0.19	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-09	1116780.7	641029.7	C71653	3/16/2009	O	Discrete	0	0.5	0.81 J	NA	0.48
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-09	1116780.7	641029.7	C71654	3/16/2009	O	Discrete	0.5	1	0.044 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-10	1116709.0	640494.5	C71655	3/26/2009	O	Discrete	0	0.5	0.045 U	NA	0.062

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-10	1116709.0	640494.5	C71656	3/26/2009	O	Discrete	0.5	1	0.045 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-11	1117259.6	640376.4	C71657	3/26/2009	O	Discrete	0	0.5	0.061	NA	0.11
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-11	1117259.6	640376.4	C71658	3/26/2009	O	Discrete	0.5	1	0.047 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-12	1116641.3	640015.5	C71659	3/26/2009	O	Discrete	0	0.5	0.043 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-12	1116641.3	640015.5	C71660	3/26/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-13	1117968.8	639964.8	C71661	3/25/2009	O	Discrete	0	0.5	0.59	NA	0.47 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-13	1117968.8	639964.8	C71662	3/25/2009	FD	Discrete	0	0.5	0.59	NA	0.58
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-13	1117968.8	639964.8	C71663	3/25/2009	O	Discrete	0.5	1	0.064	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-13	1117968.8	639964.8	C71664	3/25/2009	FD	Discrete	0.5	1	0.11	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-14	1117294.5	639723.7	C71665	3/26/2009	O	Discrete	0	0.5	0.040 U	NA	0.031 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-14	1117294.5	639723.7	C71666	3/26/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-15	1116545.4	639362.9	C71667	3/26/2009	O	Discrete	0	0.5	0.047 U	NA	0.034 B
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-15	1116545.4	639362.9	C71668	3/26/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-16	1117849.7	639315.4	C71669	3/24/2009	O	Discrete	0	0.5	0.69	NA	0.60 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-16	1117849.7	639315.4	C71670	3/24/2009	O	Discrete	0.5	1	0.047 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-17	1117479.4	638657.8	C71671	3/25/2009	O	Discrete	0	0.5	0.046 U	NA	0.049
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-17	1117479.4	638657.8	C71672	3/25/2009	O	Discrete	0.5	1	0.045 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-18	1118136.0	638262.8	C71673	3/24/2009	O	Discrete	0	0.5	0.043 U	NA	0.084 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-18	1118136.0	638262.8	C71674	3/24/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-19	1117877.6	638016.5	C71675	3/24/2009	O	Discrete	0	0.5	0.049 U	NA	0.059 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-19	1117877.6	638016.5	C71676	3/24/2009	O	Discrete	0.5	1	0.047 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-20	1118542.9	637728.5	C71677	3/26/2009	O	Discrete	0	0.5	0.051	NA	0.13
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU2	C4SF-20	1118542.9	637728.5	C71678	3/26/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-21	1118546.7	635725.0	C71679	3/11/2009	O	Discrete	0	0.5	0.039 U	NA	0.050
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-21	1118546.7	635725.0	C71680	3/11/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-22	1118548.8	635072.6	C71681	3/11/2009	O	Discrete	0	0.5	0.042 U	NA	0.037
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-22	1118548.8	635072.6	C71682	3/11/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-23	1119201.3	635123.6	C71683	3/11/2009	O	Discrete	0	0.5	0.36 J	NA	0.51
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-23	1119201.3	635123.6	C71684	3/11/2009	O	Discrete	0.5	1	0.084	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-24	1119854.2	635081.4	C71685	3/11/2009	O	Discrete	0	0.5	3.6 J	0.032	3.0
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-24	1119854.2	635081.4	C71686	3/11/2009	O	Discrete	0.5	1	0.29	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-25	1118821.8	634470.6	C71687	3/11/2009	O	Discrete	0	0.5	0.23	NA	0.23
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-25	1118821.8	634470.6	C71688	3/11/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-26	1119474.7	634428.7	C71689	3/11/2009	O	Discrete	0	0.5	0.18	NA	0.34
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-26	1119474.7	634428.7	C71690	3/11/2009	O	Discrete	0.5	1	0.046	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-27	1120506.7	634978.3	C71691	3/11/2009	O	Discrete	0	0.5	0.051	NA	0.072 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-27	1120506.7	634978.3	C71692	3/11/2009	O	Discrete	0.5	1	0.071	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-28	1121134.2	635184.1	C71693	3/11/2009	O	Discrete	0	0.5	2.4 J	NA	2.1 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-28	1121134.2	635184.1	C71694	3/11/2009	O	Discrete	0.5	1	0.23	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-29	1120779.7	634552.0	C71695	3/11/2009	O	Discrete	0	0.5	5.7 J	NA	3.2 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-29	1120779.7	634552.0	C71696	3/11/2009	O	Discrete	0.5	1	3.1	NA	NA
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-30	1120127.6	634325.9	C71697	3/11/2009	O	Discrete	0	0.5	14 J	NA	3.3 J
RI/FS - OU-4 Soil (P2)	C4S	C4S-EU3	C4SF-30	1120127.6	634325.9	C71698	3/11/2009	O	Discrete	0.5	1	19 J	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-45	1121488.3	633856.3	C71326	3/12/2009	O	Discrete	0	0.5	0.18	NA	0.058
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-45	1121488.3	633856.3	C71327	3/12/2009	O	Discrete	0.5	1	0.039 U	NA	0.032

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-46	1121025.7	633835.4	C71329	3/12/2009	O	Discrete	0	0.5	2.8	NA	2.6
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-46	1121025.7	633835.4	C71330	3/12/2009	O	Discrete	0.5	1	2.0	NA	1.2
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-47	1120957.6	633384.0	C71332	3/12/2009	O	Discrete	0	0.5	4.2	0.027	1.6
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-47	1120957.6	633384.0	C71333	3/12/2009	O	Discrete	0.5	1	5.6	NA	1.6
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-48	1120600.7	633259.5	C71335	3/12/2009	O	Discrete	0	0.5	4.8	0.025	1.6
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-48	1120600.7	633259.5	C71336	3/12/2009	O	Discrete	0.5	1	9.5	NA	2.8
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-48	1120600.7	633259.5	C71337	3/12/2009	O	Discrete	1	2	38	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-49	1120535.4	632793.1	C71338	3/12/2009	O	Discrete	0	0.5	2.8	NA	3.0
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-49	1120535.4	632793.1	C71339	3/12/2009	O	Discrete	0.5	1	0.30	NA	0.21
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-50	1120705.3	632327.2	C71341	3/12/2009	O	Discrete	0	0.5	1.6	NA	0.42
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-50	1120705.3	632327.2	C71342	3/12/2009	O	Discrete	0.5	1	0.078	NA	0.092
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-51	1120238.3	632171.5	C71344	3/12/2009	O	Discrete	0	0.5	1.4	NA	0.77
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-51	1120238.3	632171.5	C71345	3/12/2009	O	Discrete	0.5	1	0.13	NA	0.26
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-52	1120507.2	631871.1	C71347	3/12/2009	O	Discrete	0	0.5	6.8	NA	1.6
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4N-52	1120507.2	631871.1	C71348	3/12/2009	O	Discrete	0.5	1	0.24	NA	0.12
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-53	1120834.6	631391.2	C71350	3/12/2009	O	Discrete	0	0.5	0.24 J	NA	0.35
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-53	1120834.6	631391.2	C71351	3/12/2009	FD	Discrete	0	0.5	0.71 J	0.0078	0.58
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-53	1120834.6	631391.2	C71352	3/12/2009	O	Discrete	0.5	1	0.039 U	NA	0.10
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-53	1120834.6	631391.2	C71353	3/12/2009	FD	Discrete	0.5	1	0.038 U	NA	0.099
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-54	1120689.6	630965.7	C71356	3/12/2009	O	Discrete	0	0.5	0.60	NA	0.39
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-54	1120689.6	630965.7	C71357	3/12/2009	O	Discrete	0.5	1	0.96	NA	0.76
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-55	1120445.1	630463.8	C71359	3/12/2009	O	Discrete	0	0.5	0.039 U	NA	0.12
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4N-55	1120445.1	630463.8	C71360	3/12/2009	O	Discrete	0.5	1	0.041 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-34	1121221.0	633186.7	C71432	3/12/2009	O	Discrete	0	0.5	4.4	0.022	2.1
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-34	1121221.0	633186.7	C71433	3/12/2009	O	Discrete	0.5	1	14	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-35	1121884.5	632675.9	C71434	3/12/2009	O	Discrete	0	0.5	0.076	NA	0.047
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-35	1121884.5	632675.9	C71435	3/12/2009	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-36	1121408.1	632523.2	C71436	3/12/2009	O	Discrete	0	0.5	0.085	NA	0.038
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-36	1121408.1	632523.2	C71437	3/12/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-37	1122029.5	631951.5	C71438	3/12/2009	O	Discrete	0	0.5	0.038 U	NA	0.056
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-37	1122029.5	631951.5	C71439	3/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-38	1121028.8	631860.0	C71440	3/12/2009	O	Discrete	0	0.5	0.12	NA	1.6
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU1	C4NF-38	1121028.8	631860.0	C71441	3/12/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-39	1122033.4	630721.7	C71442	3/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.10
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-39	1122033.4	630721.7	C71443	3/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-40	1121695.3	631353.7	C71444	3/12/2009	O	Discrete	0	0.5	0.20	NA	0.18
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-40	1121695.3	631353.7	C71445	3/12/2009	O	Discrete	0.5	1	0.073	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-41	1121419.4	631200.5	C71446	3/12/2009	O	Discrete	0	0.5	0.90	0.020	0.61
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-41	1121419.4	631200.5	C71447	3/12/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-42	1121015.8	630532.9	C71448	3/12/2009	O	Discrete	0	0.5	0.11	NA	0.057
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-42	1121015.8	630532.9	C71449	3/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-43	1121667.6	630032.0	C71450	3/12/2009	O	Discrete	0	0.5	0.039 U	NA	0.059
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-43	1121667.6	630032.0	C71451	3/12/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-44	1121224.7	629869.2	C71452	3/12/2009	O	Discrete	0	0.5	0.044 U	NA	0.089
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C4NF-44	1121224.7	629869.2	C71453	3/12/2009	O	Discrete	0.5	1	0.044 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-01	1119143.9	629538.0	C71705	3/3/2009	O	Discrete	0	0.5	0.44	NA	0.44
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-01	1119143.9	629538.0	C71706	3/3/2009	O	Discrete	0.5	1	0.090	NA	0.22
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-02	1118122.6	628506.2	C71708	3/3/2009	O	Discrete	0	0.5	0.058	NA	0.089
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-02	1118122.6	628506.2	C71709	3/3/2009	FD	Discrete	0	0.5	0.042 U	NA	0.040 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-02	1118122.6	628506.2	C71710	3/3/2009	O	Discrete	0.5	1	0.040 U	NA	0.023 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-02	1118122.6	628506.2	C71711	3/3/2009	FD	Discrete	0.5	1	0.040 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-03	1118115.9	628045.1	C71714	3/3/2009	O	Discrete	0	0.5	0.041 U	NA	0.049
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-03	1118115.9	628045.1	C71715	3/3/2009	O	Discrete	0.5	1	0.041 U	NA	0.018 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-04	1117640.9	628108.0	C71717	3/3/2009	O	Discrete	0	0.5	0.44 J	NA	0.28
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-04	1117640.9	628108.0	C71718	3/3/2009	O	Discrete	0.5	1	0.31	NA	0.38
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-05	1117911.7	627607.6	C71720	3/3/2009	O	Discrete	0	0.5	0.039 U	NA	0.038 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-05	1117911.7	627607.6	C71721	3/3/2009	O	Discrete	0.5	1	0.039 U	NA	0.050
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-06	1117656.2	627173.6	C71723	3/3/2009	O	Discrete	0	0.5	0.040 U	NA	0.032 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-06	1117656.2	627173.6	C71724	3/3/2009	O	Discrete	0.5	1	0.039 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-07	1117506.3	626712.6	C71726	3/3/2009	O	Discrete	0	0.5	0.041 U	NA	0.069
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-07	1117506.3	626712.6	C71727	3/3/2009	O	Discrete	0.5	1	0.038 U	NA	0.035
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-08	1117406.1	626251.5	C71729	3/3/2009	O	Discrete	0	0.5	0.050	NA	0.12
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-08	1117406.1	626251.5	C71730	3/3/2009	O	Discrete	0.5	1	0.048	NA	0.052
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-09	1117523.3	625790.5	C71732	3/3/2009	O	Discrete	0	0.5	0.041 U	NA	0.16
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-09	1117523.3	625790.5	C71733	3/3/2009	O	Discrete	0.5	1	0.041	NA	0.13
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-10	1116443.5	625208.4	C71735	3/4/2009	O	Discrete	0	0.5	0.049	NA	0.10
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-10	1116443.5	625208.4	C71736	3/4/2009	O	Discrete	0.5	1	0.040 U	NA	0.023 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-11	1115521.0	625342.2	C71738	3/4/2009	O	Discrete	0	0.5	0.96	0.029	0.22
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-11	1115521.0	625342.2	C71739	3/4/2009	O	Discrete	0.5	1	0.48 J	NA	0.16
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-12	1115058.5	625233.8	C71741	3/4/2009	O	Discrete	0	0.5	3.2	0.049	2.1
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-12	1115058.5	625233.8	C71742	3/4/2009	O	Discrete	0.5	1	0.76	NA	0.67
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-13	1114610.0	625150.2	C71744	3/4/2009	O	Discrete	0	0.5	2.4	0.041	2.6
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-13	1114610.0	625150.2	C71745	3/4/2009	O	Discrete	0.5	1	0.18	NA	0.21
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-14	1114139.8	625330.1	C71747	3/5/2009	O	Discrete	0	0.5	1.2	0.024	0.47
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-14	1114139.8	625330.1	C71748	3/5/2009	O	Discrete	0.5	1	0.25	NA	0.042
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-15	1113679.4	625246.0	C71750	3/5/2009	O	Discrete	0	0.5	1.5	0.022	1.9
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-15	1113679.4	625246.0	C71751	3/5/2009	O	Discrete	0.5	1	0.28	NA	0.23
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-16	1113999.4	624783.7	C71753	3/5/2009	O	Discrete	0	0.5	0.45	NA	0.38
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-16	1113999.4	624783.7	C71754	3/5/2009	O	Discrete	0.5	1	0.052	NA	0.19
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-17	1114293.8	624409.6	C71756	3/4/2009	O	Discrete	0	0.5	0.040 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-17	1114293.8	624409.6	C71757	3/4/2009	O	Discrete	0.5	1	0.044 U	NA	0.10
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-18	1113833.0	624326.1	C71759	3/5/2009	O	Discrete	0	0.5	1.8	0.028	1.2
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-18	1113833.0	624326.1	C71760	3/5/2009	O	Discrete	0.5	1	14 J	NA	7.2
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-18	1113833.0	624326.1	C71761	3/5/2009	O	Discrete	1	2	2.2	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-19	1113874.6	623861.6	C71762	3/5/2009	O	Discrete	0	0.5	0.038 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-19	1113874.6	623861.6	C71763	3/5/2009	O	Discrete	0.5	1	0.037 U	NA	0.034
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-20	1114544.5	622381.8	C71765	2/24/2009	O	Discrete	0	0.5	0.041 U	NA	0.10 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-20	1114544.5	622381.8	C71766	2/24/2009	O	Discrete	0.5	1	0.041 U	NA	0.020 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-21	1114829.2	621899.5	C71768	2/24/2009	O	Discrete	0	0.5	0.47 J	NA	0.58 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-21	1114829.2	621899.5	C71769	2/24/2009	O	Discrete	0.5	1	0.13	NA	0.12 J

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-22	1115271.8	622007.9	C71771	2/24/2009	O	Discrete	0	0.5	0.037 U	NA	0.023 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-22	1115271.8	622007.9	C71772	2/24/2009	O	Discrete	0.5	1	0.036 U	NA	0.017 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-23	1115569.4	621654.1	C71774	2/24/2009	O	Discrete	0	0.5	0.077	NA	0.19
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-23	1115569.4	621654.1	C71775	2/24/2009	O	Discrete	0.5	1	0.045	NA	0.056
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-24	1115984.6	621235.7	C71777	2/24/2009	O	Discrete	0	0.5	0.42 J	NA	0.67
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-24	1115984.6	621235.7	C71778	2/24/2009	O	Discrete	0.5	1	0.038 U	NA	0.099
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-25	1116030.7	621697.1	C71780	2/24/2009	O	Discrete	0	0.5	2.8 J	0.022	2.2 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-25	1116030.7	621697.1	C71781	2/24/2009	FD	Discrete	0	0.5	6.5 J	NA	4.0 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-25	1116030.7	621697.1	C71782	2/24/2009	O	Discrete	0.5	1	0.92 J	NA	0.33 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-25	1116030.7	621697.1	C71783	2/24/2009	FD	Discrete	0.5	1	0.78	NA	1.2 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-26	1115732.2	622115.1	C71786	2/24/2009	O	Discrete	0	0.5	0.45	NA	0.078
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-26	1115732.2	622115.1	C71787	2/24/2009	O	Discrete	0.5	1	0.30	NA	0.12
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-27	1115924.0	622619.0	C71789	2/24/2009	O	Discrete	0	0.5	0.037 U	NA	0.031 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-27	1115924.0	622619.0	C71790	2/24/2009	O	Discrete	0.5	1	0.037 U	NA	0.018 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-28	1116225.9	623079.9	C71792	2/24/2009	O	Discrete	0	0.5	0.040 U	NA	0.10 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-28	1116225.9	623079.9	C71793	2/24/2009	O	Discrete	0.5	1	0.041 U	NA	0.035 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-29	1116686.7	622903.4	C71795	2/24/2009	O	Discrete	0	0.5	0.053	NA	0.27 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-29	1116686.7	622903.4	C71796	2/24/2009	O	Discrete	0.5	1	0.041 U	NA	0.031 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-30	1116840.5	622511.6	C71798	2/24/2009	O	Discrete	0	0.5	0.32 J	NA	0.29 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-30	1116840.5	622511.6	C71799	2/24/2009	O	Discrete	0.5	1	0.040 U	NA	0.093 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-31	1117306.9	622563.5	C71801	2/24/2009	O	Discrete	0	0.5	0.038 U	NA	0.11 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-31	1117306.9	622563.5	C71802	2/24/2009	O	Discrete	0.5	1	0.039 U	NA	0.023 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-32	1117359.8	621155.4	C71804	3/3/2009	O	Discrete	0	0.5	0.039 U	NA	0.086
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-32	1117359.8	621155.4	C71805	3/3/2009	O	Discrete	0.5	1	0.038 U	NA	0.073
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-33	1117206.0	620663.1	C71807	3/4/2009	O	Discrete	0	0.5	0.071	NA	0.072
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-33	1117206.0	620663.1	C71808	3/4/2009	O	Discrete	0.5	1	0.26	NA	0.065
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-34	1116613.7	619677.0	C71810	3/3/2009	O	Discrete	0	0.5	0.043 U	NA	0.065
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-34	1116613.7	619677.0	C71811	3/3/2009	O	Discrete	0.5	1	0.042 U	NA	0.058
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-35	1115820.6	619349.0	C71813	3/3/2009	O	Discrete	0	0.5	0.41	NA	0.29
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-35	1115820.6	619349.0	C71814	3/3/2009	O	Discrete	0.5	1	0.038 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-36	1115877.8	618887.9	C71816	3/3/2009	O	Discrete	0	0.5	0.038 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-36	1115877.8	618887.9	C71817	3/3/2009	O	Discrete	0.5	1	0.038 U	NA	0.095
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-37	1115417.6	618780.6	C71819	3/3/2009	O	Discrete	0	0.5	0.037 U	NA	0.093
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-37	1115417.6	618780.6	C71820	3/3/2009	O	Discrete	0.5	1	0.038 U	NA	0.033 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-38	1115563.7	618426.9	C71822	3/4/2009	O	Discrete	0	0.5	0.041 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-38	1115563.7	618426.9	C71823	3/4/2009	O	Discrete	0.5	1	0.041 U	NA	0.048
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-39	1115103.0	618319.5	C71825	3/4/2009	O	Discrete	0	0.5	0.040	NA	0.17
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-39	1115103.0	618319.5	C71826	3/4/2009	O	Discrete	0.5	1	0.040 U	NA	0.035
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-40	1114870.2	617761.7	C71828	3/4/2009	O	Discrete	0	0.5	0.040 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-40	1114870.2	617761.7	C71829	3/4/2009	O	Discrete	0.5	1	0.040 U	NA	0.062
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-41	1114977.2	617309.4	C71831	3/4/2009	O	Discrete	0	0.5	0.041 U	NA	0.048
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-41	1114977.2	617309.4	C71832	3/4/2009	O	Discrete	0.5	1	0.042 U	NA	0.012 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-42	1114926.2	616848.2	C71834	3/3/2009	O	Discrete	0	0.5	0.041 U	NA	0.046
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-42	1114926.2	616848.2	C71835	3/3/2009	O	Discrete	0.5	1	0.040 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-43	1114655.3	616387.8	C71837	3/3/2009	O	Discrete	0	0.5	0.067	NA	0.30

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-43	1114655.3	616387.8	C71838	3/3/2009	O	Discrete	0.5	1	0.040 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-44	1114479.1	616112.5	C71840	3/3/2009	O	Discrete	0	0.5	0.63 J	NA	1.0
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-44	1114479.1	616112.5	C71841	3/3/2009	O	Discrete	0.5	1	0.10	NA	0.095
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-45	1114511.8	615651.6	C71843	3/3/2009	O	Discrete	0	0.5	0.13	NA	0.17
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-45	1114511.8	615651.6	C71844	3/3/2009	O	Discrete	0.5	1	0.046	NA	0.052
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-46	1114971.9	615475.0	C71846	3/4/2009	O	Discrete	0	0.5	0.28	NA	0.43
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5N-46	1114971.9	615475.0	C71847	3/4/2009	O	Discrete	0.5	1	0.042 U	NA	0.061
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-01	1118350.4	627135.6	C71849	3/3/2009	O	Discrete	0	0.5	0.042 U	NA	0.022 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-01	1118350.4	627135.6	C71850	3/3/2009	FD	Discrete	0	0.5	0.043 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-01	1118350.4	627135.6	C71851	3/3/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-01	1118350.4	627135.6	C71852	3/3/2009	FD	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-02	1118233.8	626466.3	C71853	3/3/2009	O	Discrete	0	0.5	0.040 U	NA	0.038 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-02	1118233.8	626466.3	C71854	3/3/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-03	1114592.7	624909.5	C71855	3/4/2009	O	Discrete	0	0.5	0.13	NA	0.21
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-03	1114592.7	624909.5	C71856	3/4/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-04	1114772.0	623541.3	C71857	3/5/2009	O	Discrete	0	0.5	0.037 U	NA	0.052
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-04	1114772.0	623541.3	C71858	3/5/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-05	1114882.6	622888.5	C71859	2/24/2009	O	Discrete	0	0.5	0.039 U	NA	0.047 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-05	1114882.6	622888.5	C71860	2/24/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-06	1115439.3	623223.2	C71861	2/24/2009	O	Discrete	0	0.5	0.038 U	NA	0.037 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-06	1115439.3	623223.2	C71862	2/24/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-07	1115288.3	623898.6	C71863	3/5/2009	O	Discrete	0	0.5	0.039 U	NA	0.046
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-07	1115288.3	623898.6	C71864	3/5/2009	O	Discrete	0.5	1	0.036 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-08	1115958.0	623991.9	C71865	3/5/2009	O	Discrete	0	0.5	0.041 U	NA	0.031 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-08	1115958.0	623991.9	C71866	3/5/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-09	1116112.7	623322.3	C71867	2/24/2009	O	Discrete	0	0.5	0.089	NA	0.19 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-09	1116112.7	623322.3	C71868	2/24/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-10	1116889.7	623003.8	C71869	2/24/2009	O	Discrete	0	0.5	0.038 U	NA	0.083 J
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-10	1116889.7	623003.8	C71870	2/24/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-11	1118433.1	621180.0	C71871	3/3/2009	O	Discrete	0	0.5	0.039 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-11	1118433.1	621180.0	C71872	3/3/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-12	1117761.7	621112.2	C71873	3/3/2009	O	Discrete	0	0.5	0.038 U	NA	0.065
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-12	1117761.7	621112.2	C71874	3/3/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-13	1116781.9	619657.4	C71875	3/3/2009	O	Discrete	0	0.5	0.041 U	NA	0.055
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-13	1116781.9	619657.4	C71876	3/3/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-14	1115344.1	617874.5	C71877	3/4/2009	O	Discrete	0	0.5	0.16	NA	0.40
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-14	1115344.1	617874.5	C71878	3/4/2009	O	Discrete	0.5	1	0.084	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-15	1115374.1	616536.2	C71879	3/3/2009	O	Discrete	0	0.5	0.040 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-15	1115374.1	616536.2	C71880	3/3/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-16	1115563.8	615866.2	C71881	3/3/2009	O	Discrete	0	0.5	0.30 J	NA	0.22
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-16	1115563.8	615866.2	C71882	3/3/2009	O	Discrete	0.5	1	0.30	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-17	1115400.1	615198.3	C71883	3/4/2009	O	Discrete	0	0.5	0.094	NA	0.23
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-17	1115400.1	615198.3	C71884	3/4/2009	FD	Discrete	0	0.5	0.094	NA	0.25
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-17	1115400.1	615198.3	C71885	3/4/2009	O	Discrete	0.5	1	0.077	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-17	1115400.1	615198.3	C71886	3/4/2009	FD	Discrete	0.5	1	0.070	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-18	1116095.9	615278.3	C71887	3/3/2009	O	Discrete	0	0.5	0.041 U	NA	0.029 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-18	1116095.9	615278.3	C71888	3/3/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-19	1116233.7	614628.5	C71889	3/4/2009	O	Discrete	0	0.5	0.037 U	NA	0.033
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-19	1116233.7	614628.5	C71890	3/4/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-20	1116752.3	614328.7	C71891	3/4/2009	O	Discrete	0	0.5	0.038 U	NA	0.025 B
RI/FS - OU-4 Soil (P2)	C5N	C5N-EU2	C5NF-20	1116752.3	614328.7	C71892	3/4/2009	O	Discrete	0.5	1	0.045 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-51	1120039.4	633983.8	C71613	3/17/2009	O	Discrete	0	0.5	0.048	NA	0.050
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-51	1120039.4	633983.8	C71614	3/17/2009	O	Discrete	0.5	1	0.077	NA	0.13
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-52	1120158.0	633515.8	C71616	3/17/2009	O	Discrete	0	0.5	0.040 U	NA	0.027 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-52	1120158.0	633515.8	C71617	3/17/2009	O	Discrete	0.5	1	0.040 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-53	1119906.6	633047.1	C71619	3/17/2009	O	Discrete	0	0.5	0.35	NA	0.38
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-53	1119906.6	633047.1	C71620	3/17/2009	O	Discrete	0.5	1	0.042 U	NA	0.037 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-54	1119824.4	632582.4	C71622	3/18/2009	O	Discrete	0	0.5	0.55	NA	0.40
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-54	1119824.4	632582.4	C71623	3/18/2009	O	Discrete	0.5	1	0.042 U	NA	0.048
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-55	1119710.1	632182.5	C71625	3/18/2009	O	Discrete	0	0.5	0.044 U	NA	0.048
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-55	1119710.1	632182.5	C71626	3/18/2009	O	Discrete	0.5	1	0.039 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-56	1120078.5	631132.8	C71628	3/18/2009	O	Discrete	0	0.5	3.2 J	NA	1.4
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-56	1120078.5	631132.8	C71629	3/18/2009	O	Discrete	0.5	1	0.19	NA	0.14
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-57	1120112.2	630738.7	C71631	3/18/2009	O	Discrete	0	0.5	5.0	NA	1.9
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-57	1120112.2	630738.7	C71632	3/18/2009	O	Discrete	0.5	1	21 J	NA	7.4
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-57	1120112.2	630738.7	C71633	3/18/2009	O	Discrete	1	2	35	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-58	1119662.3	630831.3	C71634	3/18/2009	O	Discrete	0	0.5	0.059	NA	0.078
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4S-58	1119662.3	630831.3	C71635	3/18/2009	O	Discrete	0.5	1	0.043 U	NA	0.077
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4SF-31	1119403.1	633716.5	C71699	3/17/2009	O	Discrete	0	0.5	4.8	NA	1.9
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4SF-31	1119403.1	633716.5	C71700	3/17/2009	O	Discrete	0.5	1	0.11	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4SF-32	1118692.3	633809.1	C71701	3/17/2009	O	Discrete	0	0.5	0.041 U	NA	0.044
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4SF-32	1118692.3	633809.1	C71702	3/17/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4SF-33	1119436.5	633118.7	C71703	3/17/2009	O	Discrete	0	0.5	3.6 J	0.036	2.2
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C4SF-33	1119436.5	633118.7	C71704	3/17/2009	O	Discrete	0.5	1	0.37	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-01	1119624.5	630235.4	C71893	2/24/2009	O	Discrete	0	0.5	2.0 J	0.038	2.3 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-01	1119624.5	630235.4	C71894	2/24/2009	O	Discrete	0.5	1	0.70 J	NA	0.42
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-02	1119164.6	630353.1	C71896	2/24/2009	O	Discrete	0	0.5	0.039 U	NA	0.047
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-02	1119164.6	630353.1	C71897	2/24/2009	O	Discrete	0.5	1	0.039 U	NA	0.039
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-03	1119243.9	629908.1	C71899	2/24/2009	O	Discrete	0	0.5	0.42 J	NA	0.28 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-03	1119243.9	629908.1	C71900	2/24/2009	FD	Discrete	0	0.5	0.49 J	NA	0.24
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-03	1119243.9	629908.1	C71901	2/24/2009	O	Discrete	0.5	1	0.11	NA	0.11 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-03	1119243.9	629908.1	C71902	2/24/2009	FD	Discrete	0.5	1	0.066	NA	0.093
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-04	1118809.8	629766.2	C71905	2/24/2009	O	Discrete	0	0.5	0.89 J	0.0095	0.79
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-04	1118809.8	629766.2	C71906	2/24/2009	O	Discrete	0.5	1	0.044 U	NA	0.085
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-05	1118469.1	629346.9	C71908	2/24/2009	O	Discrete	0	0.5	0.039 U	NA	0.029 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-05	1118469.1	629346.9	C71909	2/24/2009	O	Discrete	0.5	1	0.038 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-06	1117986.5	629343.2	C71911	2/23/2009	O	Discrete	0	0.5	0.039 U	NA	0.039 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-06	1117986.5	629343.2	C71912	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.058
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-07	1118230.4	628957.8	C71914	2/23/2009	O	Discrete	0	0.5	16 J	NA	3.9
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-07	1118230.4	628957.8	C71915	2/23/2009	O	Discrete	0.5	1	14 J	NA	3.6

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-07	1118230.4	628957.8	C71916	2/23/2009	O	Discrete	1	2	3.4	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-08	1117747.6	628890.3	C71917	2/23/2009	O	Discrete	0	0.5	0.038 U	NA	0.018 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-08	1117747.6	628890.3	C71918	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-09	1117534.1	628290.7	C71920	2/23/2009	O	Discrete	0	0.5	3.5 J	0.020	0.81
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-09	1117534.1	628290.7	C71921	2/23/2009	O	Discrete	0.5	1	3.8 J	0.022	1.3
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-10	1117033.6	628378.3	C71923	2/23/2009	O	Discrete	0	0.5	0.041 U	NA	0.040
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-10	1117033.6	628378.3	C71924	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-11	1116976.8	626997.0	C71926	2/23/2009	O	Discrete	0	0.5	0.038 U	NA	0.052
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-11	1116976.8	626997.0	C71927	2/23/2009	O	Discrete	0.5	1	0.039 U	NA	0.022 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-12	1116695.9	626326.2	C71929	2/23/2009	O	Discrete	0	0.5	0.038 U	NA	0.069
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-12	1116695.9	626326.2	C71930	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.059
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-13	1117012.9	626073.6	C71932	2/23/2009	O	Discrete	0	0.5	1.5 J	NA	0.34
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-13	1117012.9	626073.6	C71933	2/23/2009	O	Discrete	0.5	1	0.75	NA	0.41
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-14	1116735.1	625611.9	C71935	2/23/2009	O	Discrete	0	0.5	1.1	NA	0.78
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-14	1116735.1	625611.9	C71936	2/23/2009	O	Discrete	0.5	1	0.13	NA	0.085
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-15	1116276.1	625416.1	C71938	2/23/2009	O	Discrete	0	0.5	2.2 J	0.057	0.71
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-15	1116276.1	625416.1	C71939	2/23/2009	O	Discrete	0.5	1	5.5	NA	2.1
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-16	1115812.7	625702.6	C71941	2/23/2009	O	Discrete	0	0.5	0.037 U	NA	0.074
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-16	1115812.7	625702.6	C71942	2/23/2009	O	Discrete	0.5	1	0.036 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-17	1114890.5	625646.0	C71944	2/23/2009	O	Discrete	0	0.5	0.041 U	NA	0.055 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-17	1114890.5	625646.0	C71945	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.078 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-18	1114429.7	625565.3	C71947	2/23/2009	O	Discrete	0	0.5	0.073	NA	0.19 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-18	1114429.7	625565.3	C71948	2/23/2009	O	Discrete	0.5	1	0.035 U	NA	0.031 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-19	1113968.5	625796.0	C71950	2/23/2009	O	Discrete	0	0.5	0.041 U	NA	0.079 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-19	1113968.5	625796.0	C71951	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.025 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-20	1113507.8	625644.7	C71953	2/23/2009	O	Discrete	0	0.5	0.041 U	NA	0.051 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-20	1113507.8	625644.7	C71954	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.0079 U
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-21	1113435.7	625099.6	C71956	3/5/2009	O	Discrete	0	0.5	0.040 U	NA	0.061
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-21	1113435.7	625099.6	C71957	3/5/2009	O	Discrete	0.5	1	0.040 U	NA	0.054
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-22	1113563.4	624732.6	C71959	3/5/2009	O	Discrete	0	0.5	0.30	NA	0.32
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-22	1113563.4	624732.6	C71960	3/5/2009	O	Discrete	0.5	1	0.053	NA	0.11
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-23	1113642.1	624263.6	C71962	3/5/2009	O	Discrete	0	0.5	0.31	NA	0.43
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-23	1113642.1	624263.6	C71963	3/5/2009	O	Discrete	0.5	1	0.059	NA	0.26
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-24	1113218.0	624174.8	C71965	3/5/2009	O	Discrete	0	0.5	0.043 U	NA	0.18
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-24	1113218.0	624174.8	C71966	3/5/2009	O	Discrete	0.5	1	0.037 U	NA	0.030 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-25	1113650.5	623797.2	C71968	3/5/2009	O	Discrete	0	0.5	1.5	NA	0.69
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-25	1113650.5	623797.2	C71969	3/5/2009	FD	Discrete	0	0.5	1.0	NA	0.64
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-25	1113650.5	623797.2	C71970	3/5/2009	O	Discrete	0.5	1	1.4 J	NA	0.72
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-25	1113650.5	623797.2	C71971	3/5/2009	FD	Discrete	0.5	1	1.1	NA	0.67
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-26	1113211.2	623712.9	C71974	3/5/2009	O	Discrete	0	0.5	0.041 U	NA	0.13
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-26	1113211.2	623712.9	C71975	3/5/2009	O	Discrete	0.5	1	0.041 U	NA	0.078
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-27	1113670.1	623339.5	C71977	2/23/2009	O	Discrete	0	0.5	0.038 U	NA	0.020 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-27	1113670.1	623339.5	C71978	2/23/2009	O	Discrete	0.5	1	0.039 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-28	1113796.0	622872.4	C71980	3/5/2009	O	Discrete	0	0.5	0.042 U	NA	0.051
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-28	1113796.0	622872.4	C71981	3/5/2009	O	Discrete	0.5	1	0.042 U	NA	0.061

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-29	1114096.4	622569.1	C71983	3/5/2009	O	Discrete	0	0.5	0.39	NA	0.51
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-29	1114096.4	622569.1	C71984	3/5/2009	O	Discrete	0.5	1	0.11	NA	0.23
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-30	1114284.3	622114.0	C71986	3/5/2009	O	Discrete	0	0.5	0.053	NA	0.10
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-30	1114284.3	622114.0	C71987	3/5/2009	O	Discrete	0.5	1	0.039 U	NA	0.014 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-31	1114949.0	621487.2	C71989	2/21/2009	O	Discrete	0	0.5	0.038 U	NA	0.071
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-31	1114949.0	621487.2	C71990	2/21/2009	O	Discrete	0.5	1	0.037 U	NA	0.079
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-32	1116129.9	622020.3	C71992	2/22/2009	O	Discrete	0	0.5	3.9 J	0.031	3.4
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-32	1116129.9	622020.3	C71993	2/22/2009	O	Discrete	0.5	1	0.14	NA	0.42
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-33	1116412.3	622178.3	C71995	2/22/2009	O	Discrete	0	0.5	1.1	NA	1.1
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-33	1116412.3	622178.3	C71996	2/22/2009	O	Discrete	0.5	1	0.36 J	NA	0.81
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-34	1116554.8	621712.7	C71998	2/22/2009	O	Discrete	0	0.5	1.5	NA	0.79
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-34	1116554.8	621712.7	C71999	2/22/2009	O	Discrete	0.5	1	1.7 J	NA	0.60
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-35	1117045.7	621917.9	C72001	2/22/2009	O	Discrete	0	0.5	3.5 J	0.032	2.5 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-35	1117045.7	621917.9	C72002	2/22/2009	O	Discrete	0.5	1	0.76 J	NA	0.27 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-36	1116838.8	621466.6	C72004	2/22/2009	O	Discrete	0	0.5	2.2 J	0.030	1.2 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-36	1116838.8	621466.6	C72005	2/22/2009	O	Discrete	0.5	1	6.4	NA	2.8 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-37	1116603.8	620783.8	C72007	2/22/2009	O	Discrete	0	0.5	0.042 U	NA	0.15 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-37	1116603.8	620783.8	C72008	2/22/2009	O	Discrete	0.5	1	0.039 U	NA	0.087 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-38	1116339.1	620332.5	C72010	2/22/2009	O	Discrete	0	0.5	0.037 U	NA	0.059 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-38	1116339.1	620332.5	C72011	2/22/2009	O	Discrete	0.5	1	0.038 U	NA	0.090 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-39	1115967.5	619767.2	C72013	2/22/2009	O	Discrete	0	0.5	0.65 J	NA	0.66 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-39	1115967.5	619767.2	C72014	2/22/2009	O	Discrete	0.5	1	1.7 J	NA	1.1 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-40	1115532.8	619740.3	C72016	2/22/2009	O	Discrete	0	0.5	0.34 J	NA	0.26 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-40	1115532.8	619740.3	C72017	2/22/2009	O	Discrete	0.5	1	0.052	NA	0.084 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-41	1115352.5	619277.2	C72019	2/22/2009	O	Discrete	0	0.5	0.039 U	NA	0.036 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-41	1115352.5	619277.2	C72020	2/22/2009	O	Discrete	0.5	1	0.24	NA	0.29 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-42	1114728.0	618651.0	C72022	2/22/2009	O	Discrete	0	0.5	0.039 U	NA	0.23 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-42	1114728.0	618651.0	C72023	2/22/2009	O	Discrete	0.5	1	0.039 U	NA	0.0061 U
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-43	1114428.9	618189.9	C72025	2/23/2009	O	Discrete	0	0.5	0.040 U	NA	0.061 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-43	1114428.9	618189.9	C72026	2/23/2009	O	Discrete	0.5	1	0.045 U	NA	0.030 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-44	1114477.7	617755.1	C72028	2/23/2009	O	Discrete	0	0.5	0.048 U	NA	0.085 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-44	1114477.7	617755.1	C72029	2/23/2009	O	Discrete	0.5	1	0.040 U	NA	0.017 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-45	1114215.4	617036.7	C72031	2/22/2009	O	Discrete	0	0.5	0.043 U	NA	0.19 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-45	1114215.4	617036.7	C72032	2/22/2009	O	Discrete	0.5	1	0.043 U	NA	0.17 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-46	1114310.1	616581.5	C72034	2/22/2009	O	Discrete	0	0.5	2.6 J	0.029	1.3 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-46	1114310.1	616581.5	C72035	2/22/2009	O	Discrete	0.5	1	8.1 J	NA	3.2 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-47	1114197.3	616115.4	C72037	2/22/2009	O	Discrete	0	0.5	0.064	NA	0.14 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5S-47	1114197.3	616115.4	C72038	2/22/2009	O	Discrete	0.5	1	0.041 U	NA	0.071 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-01	1118858.3	630368.8	C72040	2/24/2009	O	Discrete	0	0.5	0.039 U	NA	0.038
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-01	1118858.3	630368.8	C72041	2/24/2009	FD	Discrete	0	0.5	0.039 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-01	1118858.3	630368.8	C72042	2/24/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-01	1118858.3	630368.8	C72043	2/24/2009	FD	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-02	1118534.0	629855.9	C72044	2/24/2009	O	Discrete	0	0.5	0.042 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-02	1118534.0	629855.9	C72045	2/24/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-03	1118022.3	629942.0	C72046	2/23/2009	O	Discrete	0	0.5	0.040 U	NA	0.018 B

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-03	1118022.3	629942.0	C72047	2/23/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-04	1117509.7	629736.3	C72048	2/23/2009	O	Discrete	0	0.5	0.040 U	NA	0.060
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-04	1117509.7	629736.3	C72049	2/23/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-05	1117078.4	629593.7	C72050	2/24/2009	O	Discrete	0	0.5	0.040 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-05	1117078.4	629593.7	C72051	2/24/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-06	1117590.8	629227.9	C72052	2/23/2009	O	Discrete	0	0.5	0.040 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-06	1117590.8	629227.9	C72053	2/23/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-07	1117200.0	629613.2	C72054	2/24/2009	O	Discrete	0	0.5	0.039 U	NA	0.058
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-07	1117200.0	629613.2	C72055	2/24/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-08	1115023.9	626994.0	C72056	2/23/2009	O	Discrete	0	0.5	0.044 U	NA	0.061 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-08	1115023.9	626994.0	C72057	2/23/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-09	1114683.4	626127.7	C72058	2/23/2009	O	Discrete	0	0.5	0.040 U	NA	0.066 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-09	1114683.4	626127.7	C72059	2/23/2009	O	Discrete	0.5	1	0.042	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-10	1114171.1	626158.3	C72060	2/23/2009	O	Discrete	0	0.5	0.039 U	NA	0.037 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-10	1114171.1	626158.3	C72061	2/23/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-11	1113627.1	626329.4	C72062	2/23/2009	O	Discrete	0	0.5	0.038 U	NA	0.034 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-11	1113627.1	626329.4	C72063	2/23/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-12	1113229.2	625976.0	C72064	2/23/2009	O	Discrete	0	0.5	0.040 U	NA	0.035 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-12	1113229.2	625976.0	C72065	2/23/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-13	1115110.9	620848.2	C72066	2/21/2009	O	Discrete	0	0.5	0.041 U	NA	0.031 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-13	1115110.9	620848.2	C72067	2/21/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-14	1115235.5	620336.2	C72068	2/21/2009	O	Discrete	0	0.5	0.85 J	NA	1.4
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-14	1115235.5	620336.2	C72069	2/21/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-15	1114598.9	620494.7	C72070	2/21/2009	O	Discrete	0	0.5	0.039 U	NA	0.019 B
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-15	1114598.9	620494.7	C72071	2/21/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-16	1114086.2	620521.6	C72072	2/21/2009	O	Discrete	0	0.5	0.043 U	NA	0.040
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-16	1114086.2	620521.6	C72073	2/21/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-17	1115062.3	619824.1	C72074	2/21/2009	O	Discrete	0	0.5	1.8 J	NA	1.2
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-17	1115062.3	619824.1	C72075	2/21/2009	O	Discrete	0.5	1	0.98	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-18	1114723.3	619982.9	C72076	2/21/2009	O	Discrete	0	0.5	0.18	NA	0.33
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-18	1114723.3	619982.9	C72077	2/21/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-19	1114541.2	619470.7	C72078	2/22/2009	O	Discrete	0	0.5	0.038 U	NA	0.057 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-19	1114541.2	619470.7	C72079	2/22/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-20	1114555.7	618958.9	C72080	2/22/2009	O	Discrete	0	0.5	0.039 U	NA	0.063 J
RI/FS - OU-4 Soil (P2)	C5S	C5S-EU1	C5SF-20	1114555.7	618958.9	C72081	2/22/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-01	1114200.1	614990.2	C72082	3/10/2009	O	Discrete	0	0.5	0.039 U	NA	0.074
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-01	1114200.1	614990.2	C72083	3/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-02	1113281.5	614992.1	C72085	3/10/2009	O	Discrete	0	0.5	5.2	NA	3.1
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-02	1113281.5	614992.1	C72086	3/10/2009	O	Discrete	0.5	1	0.76	NA	0.89
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-03	1112949.0	613902.5	C72088	3/10/2009	O	Discrete	0	0.5	0.055	NA	0.18
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-03	1112949.0	613902.5	C72089	3/10/2009	FD	Discrete	0	0.5	0.050	NA	0.14
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-03	1112949.0	613902.5	C72090	3/10/2009	O	Discrete	0.5	1	0.044 U	NA	0.098 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-03	1112949.0	613902.5	C72091	3/10/2009	FD	Discrete	0.5	1	0.041 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-04	1112769.1	613485.9	C72094	3/9/2009	O	Discrete	0	0.5	0.040	NA	0.17
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-04	1112769.1	613485.9	C72095	3/9/2009	O	Discrete	0.5	1	0.038 U	NA	0.034 B

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-05	1112422.8	613027.4	C72097	3/9/2009	O	Discrete	0	0.5	2.2 J	0.019	1.1
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-05	1112422.8	613027.4	C72098	3/9/2009	O	Discrete	0.5	1	4.8	0.051	2.2
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-06	1112005.8	612627.0	C72100	3/9/2009	O	Discrete	0	0.5	0.24	NA	0.31
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-06	1112005.8	612627.0	C72101	3/9/2009	O	Discrete	0.5	1	0.041 U	NA	0.063
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-07	1111560.6	612543.7	C72103	3/10/2009	O	Discrete	0	0.5	0.92	0.014	0.61
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-07	1111560.6	612543.7	C72104	3/10/2009	O	Discrete	0.5	1	0.057	NA	0.22
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-08	1111085.6	612286.3	C72106	3/10/2009	O	Discrete	0	0.5	0.037 U	NA	0.036
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-08	1111085.6	612286.3	C72107	3/10/2009	O	Discrete	0.5	1	0.038 U	NA	0.037 B
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-09	1110620.2	612511.8	C72109	3/10/2009	O	Discrete	0	0.5	1.9	0.016	3.4
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-09	1110620.2	612511.8	C72110	3/10/2009	O	Discrete	0.5	1	0.25	NA	0.14
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-10	1110697.3	612070.0	C72112	3/10/2009	O	Discrete	0	0.5	0.038 U	NA	0.031
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-10	1110697.3	612070.0	C72113	3/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.070
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-11	1111181.2	610905.0	C72115	3/10/2009	O	Discrete	0	0.5	0.038 U	NA	0.035 B
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-11	1111181.2	610905.0	C72116	3/10/2009	O	Discrete	0.5	1	0.038 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-12	1111063.9	610001.9	C72118	3/10/2009	O	Discrete	0	0.5	0.037 U	NA	0.027 B
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-12	1111063.9	610001.9	C72119	3/10/2009	O	Discrete	0.5	1	0.037 U	NA	0.033 B
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-13	1108941.2	608199.0	C72121	3/10/2009	O	Discrete	0	0.5	0.40	NA	0.53
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-13	1108941.2	608199.0	C72122	3/10/2009	O	Discrete	0.5	1	0.045	NA	0.088 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-14	1106820.0	608591.9	C72124	3/10/2009	O	Discrete	0	0.5	4.4	0.078	2.5 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-14	1106820.0	608591.9	C72125	3/10/2009	O	Discrete	0.5	1	1.6 J	NA	0.84 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-15	1106655.8	608140.9	C72127	3/10/2009	O	Discrete	0	0.5	0.40	NA	0.35 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-15	1106655.8	608140.9	C72128	3/10/2009	O	Discrete	0.5	1	0.035 U	NA	0.057 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-16	1107216.0	607884.7	C72130	3/10/2009	O	Discrete	0	0.5	1.9 J	NA	1.7 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-16	1107216.0	607884.7	C72131	3/10/2009	O	Discrete	0.5	1	0.20	NA	0.27 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-17	1107592.6	606913.8	C72133	3/10/2009	O	Discrete	0	0.5	0.82 J	NA	0.28 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-17	1107592.6	606913.8	C72134	3/10/2009	O	Discrete	0.5	1	0.042	NA	0.16 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-18	1106793.5	606312.7	C72136	3/10/2009	O	Discrete	0	0.5	0.039 U	NA	0.064 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-18	1106793.5	606312.7	C72137	3/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.065 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-19	1107071.9	606036.8	C72139	3/10/2009	O	Discrete	0	0.5	4.9 J	0.086	3.3 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-19	1107071.9	606036.8	C72140	3/10/2009	O	Discrete	0.5	1	11 J	NA	5.5 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-19	1107071.9	606036.8	C72141	3/10/2009	O	Discrete	1	2	1.3	NA	NA
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-20	1108654.0	606157.3	C72142	3/10/2009	O	Discrete	0	0.5	2.2 J	0.017	1.1 J
RI/FS - OU-4 Soil (P2)	C6N	C6N-EU1	C6N-20	1108654.0	606157.3	C72143	3/10/2009	O	Discrete	0.5	1	7.5 J	NA	1.6 J
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-01	1113923.0	615548.4	C72145	2/21/2009	O	Discrete	0	0.5	0.040 U	NA	0.045
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-01	1113923.0	615548.4	C72146	2/21/2009	O	Discrete	0.5	1	0.040 U	NA	0.069
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-02	1113616.7	615338.8	C72148	2/21/2009	O	Discrete	0	0.5	10 J	NA	8.4
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-02	1113616.7	615338.8	C72149	2/21/2009	O	Discrete	0.5	1	23 J	NA	10
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-02	1113616.7	615338.8	C72150	2/21/2009	O	Discrete	1	2	3.1	NA	NA
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-03	1112327.0	613486.5	C72151	2/21/2009	O	Discrete	0	0.5	0.040 U	NA	0.034
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-03	1112327.0	613486.5	C72152	2/21/2009	O	Discrete	0.5	1	0.040 U	NA	0.073
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-04	1111531.3	612842.6	C72154	2/21/2009	O	Discrete	0	0.5	4.7 J	0.11	5.2
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-04	1111531.3	612842.6	C72155	2/21/2009	O	Discrete	0.5	1	0.15	NA	0.091
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-05	1110371.1	611745.4	C72157	2/21/2009	O	Discrete	0	0.5	0.037 U	NA	0.027 B
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-05	1110371.1	611745.4	C72158	2/21/2009	FD	Discrete	0	0.5	0.037 U	NA	0.030
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-05	1110371.1	611745.4	C72159	2/21/2009	O	Discrete	0.5	1	0.037 U	NA	0.018 B

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-05	1110371.1	611745.4	C72160	2/21/2009	FD	Discrete	0.5	1	0.037 U	NA	0.039
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-06	1110597.2	610832.3	C72163	2/21/2009	O	Discrete	0	0.5	0.040 U	NA	0.039 B
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-06	1110597.2	610832.3	C72164	2/21/2009	O	Discrete	0.5	1	0.040 U	NA	0.065
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-07	1111062.6	610508.2	C72166	2/21/2009	O	Discrete	0	0.5	1.2	0.024	1.2
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-07	1111062.6	610508.2	C72167	2/21/2009	O	Discrete	0.5	1	0.20	NA	0.12
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-08	1112848.4	614486.2	C72169	4/2/2009	O	Discrete	0	0.5	0.042 U	NA	0.087
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-08	1112848.4	614486.2	C72170	4/2/2009	O	Discrete	0.5	1	0.041 U	NA	0.071
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-09	1110737.6	612727.6	C72172	4/2/2009	O	Discrete	0	0.5	2.8 J	0.013	1.2
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-09	1110737.6	612727.6	C72173	4/2/2009	O	Discrete	0.5	1	6.6 J	NA	3.9
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-10	1109370.2	608430.5	C72175	4/2/2009	O	Discrete	0	0.5	0.13	NA	0.12
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-10	1109370.2	608430.5	C72176	4/2/2009	O	Discrete	0.5	1	0.038 U	NA	0.042 UB
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-11	1106513.3	607924.6	C72178	4/2/2009	O	Discrete	0	0.5	0.042 U	NA	0.19
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-11	1106513.3	607924.6	C72179	4/2/2009	O	Discrete	0.5	1	0.041 U	NA	0.30
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-12	1107101.4	605854.6	C72181	4/2/2009	O	Discrete	0	0.5	0.044 U	NA	0.077
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-12	1107101.4	605854.6	C72182	4/2/2009	O	Discrete	0.5	1	0.045 U	NA	0.059 UB
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-13	1108255.1	608520.6	C72184	2/21/2009	O	Discrete	0	0.5	0.27	NA	0.34
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-13	1108255.1	608520.6	C72185	2/21/2009	O	Discrete	0.5	1	0.056	NA	0.16
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-14	1107449.0	608734.6	C72187	2/21/2009	O	Discrete	0	0.5	0.74	NA	1.3
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-14	1107449.0	608734.6	C72188	2/21/2009	O	Discrete	0.5	1	1.0 J	NA	1.1
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-15	1107001.8	608906.2	C72190	2/21/2009	O	Discrete	0	0.5	0.067	NA	0.12
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-15	1107001.8	608906.2	C72191	2/21/2009	O	Discrete	0.5	1	0.040 U	NA	0.050
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-16	1106456.0	608636.2	C72193	2/20/2009	O	Discrete	0	0.5	0.060	NA	0.18
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-16	1106456.0	608636.2	C72194	2/20/2009	O	Discrete	0.5	1	0.079	NA	0.18
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-17	1107392.0	607390.0	C72196	2/20/2009	O	Discrete	0	0.5	1.5 J	NA	0.87
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-17	1107392.0	607390.0	C72197	2/20/2009	O	Discrete	0.5	1	0.045	NA	0.067
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-18	1105911.7	606583.3	C72199	2/20/2009	O	Discrete	0	0.5	0.045	NA	0.12
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-18	1105911.7	606583.3	C72200	2/20/2009	O	Discrete	0.5	1	0.036 U	NA	0.073
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-19	1106264.9	606397.3	C72202	2/20/2009	O	Discrete	0	0.5	0.56 J	NA	0.63
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-19	1106264.9	606397.3	C72203	2/20/2009	O	Discrete	0.5	1	0.075	NA	0.16
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-20	1108515.3	605681.3	C72205	2/12/2009	O	Discrete	0	0.5	0.039 U	NA	0.027 J
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-20	1108515.3	605681.3	C72206	2/12/2009	O	Discrete	0.5	1	0.039 U	NA	0.025 J
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-21	1108963.1	605867.8	C72208	2/12/2009	O	Discrete	0	0.5	2.7	0.039	1.8 J
RI/FS - OU-4 Soil (P2)	C6S	C6S-EU1	C6S-21	1108963.1	605867.8	C72209	2/12/2009	O	Discrete	0.5	1	1.4	0.030	1.6 J
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-01	1111749.6	603851.9	C72211	2/12/2009	O	Discrete	0	0.5	0.038 U	NA	0.060 J
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-01	1111749.6	603851.9	C72212	2/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-02	1112823.0	602900.1	C72213	2/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.026 J
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-02	1112823.0	602900.1	C72214	2/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-03	1113556.9	602286.9	C72215	2/12/2009	O	Discrete	0	0.5	0.052	0.0038	0.22 J
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-03	1113556.9	602286.9	C72216	2/12/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-04	1113810.8	603272.8	C72217	2/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.0068 U
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-04	1113810.8	603272.8	C72218	2/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-05	1114707.6	603835.0	C72219	2/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.050
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-05	1114707.6	603835.0	C72220	2/12/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-06	1115655.4	604857.9	C72221	2/12/2009	O	Discrete	0	0.5	0.039 U	NA	0.039
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-06	1115655.4	604857.9	C72222	2/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-07	1116489.8	601353.6	C72223	2/17/2009	O	Discrete	0	0.5	0.040 U	NA	0.041
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-07	1116489.8	601353.6	C72224	2/17/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-08	1116314.9	600367.0	C72225	2/17/2009	O	Discrete	0	0.5	0.044 U	NA	0.11
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-08	1116314.9	600367.0	C72226	2/17/2009	O	Discrete	0.5	1	0.043 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-09	1117108.7	599525.4	C72227	2/17/2009	O	Discrete	0	0.5	0.041 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-09	1117108.7	599525.4	C72228	2/17/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-10	1115327.9	599924.6	C72229	2/17/2009	O	Discrete	0	0.5	0.040 U	NA	0.055
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-10	1115327.9	599924.6	C72230	2/17/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-11	1116122.0	599380.3	C72231	2/17/2009	O	Discrete	0	0.5	0.056 U	NA	0.080
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-11	1116122.0	599380.3	C72232	2/17/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-12	1115137.0	598938.9	C72233	2/17/2009	O	Discrete	0	0.5	0.040 U	NA	0.036
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-12	1115137.0	598938.9	C72234	2/17/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-13	1114145.4	598854.0	C72235	2/17/2009	O	Discrete	0	0.5	0.065	NA	0.14
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-14	1113161.9	599326.8	C72237	2/17/2009	O	Discrete	0	0.5	0.67	0.013	1.1
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-14	1113161.9	599326.8	C72238	2/17/2009	O	Discrete	0.5	1	0.42	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-15	1112368.1	599939.8	C72239	2/17/2009	O	Discrete	0	0.5	0.039 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-15	1112368.1	599939.8	C72240	2/17/2009	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-16	1111381.0	599904.9	C72241	2/17/2009	O	Discrete	0	0.5	0.039 U	NA	0.031
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-16	1111381.0	599904.9	C72242	2/17/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-17	1112175.0	598953.3	C72243	2/17/2009	O	Discrete	0	0.5	1.1 J	0.019	1.4
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-17	1112175.0	598953.3	C72244	2/17/2009	O	Discrete	0.5	1	1.6 J	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-18	1109070.1	592758.6	C72247	2/11/2009	O	Discrete	0	0.5	0.040 U	NA	0.10
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-18	1109070.1	592758.6	C72248	2/11/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-19	1108872.8	593745.8	C72245	2/11/2009	O	Discrete	0	0.5	0.040 U	NA	0.042
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-19	1108872.8	593745.8	C72246	2/11/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-20	1107739.7	591723.3	C72249	2/11/2009	O	Discrete	0	0.5	0.11 J	0.0030	0.30
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-20	1107739.7	591723.3	C72250	2/11/2009	FD	Discrete	0	0.5	0.087	0.0046	0.26
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-20	1107739.7	591723.3	C72251	2/11/2009	O	Discrete	0.5	1	0.042 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7N	C7N-EU1	C7NF-20	1107739.7	591723.3	C72252	2/11/2009	FD	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-01	1107457.5	605257.3	C72253	2/12/2009	O	Discrete	0	0.5	0.039 U	NA	0.059 J
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-01	1107457.5	605257.3	C72254	2/12/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-02	1108140.2	604521.4	C72255	2/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.031 J
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-02	1108140.2	604521.4	C72256	2/12/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-03	1107705.9	603506.4	C72257	2/12/2009	O	Discrete	0	0.5	0.038 U	NA	0.042 J
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-03	1107705.9	603506.4	C72258	2/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-04	1109735.7	603137.4	C72259	2/12/2009	O	Discrete	0	0.5	0.038 U	NA	0.022 B
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-04	1109735.7	603137.4	C72260	2/12/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-05	1108601.8	602712.7	C72261	2/12/2009	O	Discrete	0	0.5	0.041 U	NA	0.023 B
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-05	1108601.8	602712.7	C72262	2/12/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-06	1110701.8	601910.8	C72263	4/7/2009	O	Discrete	0	0.5	0.037 U	NA	0.017 B
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-06	1110701.8	601910.8	C72264	4/7/2009	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-07	1108672.5	601697.8	C72265	2/12/2009	O	Discrete	0	0.5	0.038 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-07	1108672.5	601697.8	C72266	2/12/2009	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-08	1109687.5	601107.7	C72267	4/7/2009	O	Discrete	0	0.5	0.039 U	NA	0.032 B
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-08	1109687.5	601107.7	C72268	4/7/2009	O	Discrete	0.5	1	0.040 U	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-09	1109297.8	600682.9	C72269	4/7/2009	O	Discrete	0	0.5	0.038 U	NA	0.050
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-09	1109297.8	600682.9	C72270	4/7/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-10	1108297.5	600431.0	C72271	4/7/2009	O	Discrete	0	0.5	0.038 U	NA	0.028 B
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-10	1108297.5	600431.0	C72272	4/7/2009	FD	Discrete	0	0.5	0.039 U	NA	0.038
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-10	1108297.5	600431.0	C72273	4/7/2009	O	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-10	1108297.5	600431.0	C72274	4/7/2009	FD	Discrete	0.5	1	0.039 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-11	1109113.0	599666.4	C72275	4/7/2009	O	Discrete	0	0.5	0.038 U	NA	0.051
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-11	1109113.0	599666.4	C72276	4/7/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-12	1109763.8	598062.8	C72277	2/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.060
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-12	1109763.8	598062.8	C72278	2/12/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-13	1110010.2	597047.9	C72279	2/12/2009	O	Discrete	0	0.5	0.18	0.0043	0.26
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-13	1110010.2	597047.9	C72280	2/12/2009	O	Discrete	0.5	1	0.19	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-14	1109114.6	596623.7	C72281	2/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.034
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-14	1109114.6	596623.7	C72282	2/12/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-15	1110129.6	596033.0	C72283	2/12/2009	O	Discrete	0	0.5	0.068	0.0028	0.15
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-15	1110129.6	596033.0	C72284	2/12/2009	O	Discrete	0.5	1	0.038 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-16	1109481.2	595608.7	C72285	2/12/2009	O	Discrete	0	0.5	0.040 U	NA	0.094 J
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-16	1109481.2	595608.7	C72286	2/12/2009	O	Discrete	0.5	1	0.041 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-17	1108466.3	595387.9	C72287	2/12/2009	O	Discrete	0	0.5	0.039 U	NA	0.041 J
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-17	1108466.3	595387.9	C72288	2/12/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-18	1107420.4	594090.0	C72289	2/11/2009	O	Discrete	0	0.5	0.039 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-18	1107420.4	594090.0	C72290	2/11/2009	O	Discrete	0.5	1	0.037 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-19	1106325.1	592918.7	C72291	2/11/2009	O	Discrete	0	0.5	0.039 U	NA	0.034
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-19	1106325.1	592918.7	C72292	2/11/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-20	1104905.2	592384.1	C72293	2/11/2009	O	Discrete	0	0.5	0.040 U	NA	0.0075 B
RI/FS - OU-4 Soil (P2)	C7S	C7S-EU1	C7SF-20	1104905.2	592384.1	C72294	2/11/2009	O	Discrete	0.5	1	0.040 U	NA	NA
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-01	1107461.8	579512.8	C72295	2/16/2009	O	Discrete	0	0.5	1.0	0.014	0.74
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-01	1107461.8	579512.8	C72296	2/16/2009	O	Discrete	0.5	1	7.9	0.041	4.8
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-02	1108175.9	578004.7	C72298	2/16/2009	O	Discrete	0	0.5	5.1	0.094	5.1
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-02	1108175.9	578004.7	C72299	2/16/2009	O	Discrete	0.5	1	0.71	0.013	0.47
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-03	1108643.8	577709.6	C72301	2/16/2009	O	Discrete	0	0.5	0.041 U	NA	0.044
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-03	1108643.8	577709.6	C72302	2/16/2009	O	Discrete	0.5	1	0.041 U	NA	0.029 B
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-04	1108816.4	577483.8	C72304	2/16/2009	O	Discrete	0	0.5	0.040 U	NA	0.039
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-04	1108816.4	577483.8	C72305	2/16/2009	O	Discrete	0.5	1	0.040 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-05	1109074.2	577010.2	C72307	2/16/2009	O	Discrete	0	0.5	0.077	NA	0.17
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-05	1109074.2	577010.2	C72308	2/16/2009	O	Discrete	0.5	1	0.038 U	NA	0.023 B
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-06	1109739.7	575662.9	C72310	2/10/2009	O	Discrete	0	0.5	0.038 U	NA	0.043
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-06	1109739.7	575662.9	C72311	2/10/2009	O	Discrete	0.5	1	0.037 U	NA	0.031 B
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-07	1110586.7	575019.2	C72313	2/10/2009	O	Discrete	0	0.5	0.038 U	NA	0.038
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-07	1110586.7	575019.2	C72314	2/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.049
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-08	1110873.6	574549.8	C72316	2/10/2009	O	Discrete	0	0.5	0.039 U	NA	0.039
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-08	1110873.6	574549.8	C72317	2/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.024 B
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-09	1111087.8	574309.9	C72319	2/10/2009	O	Discrete	0	0.5	0.096	NA	0.23
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-09	1111087.8	574309.9	C72320	2/10/2009	O	Discrete	0.5	1	0.044	NA	0.062
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-10	1111388.5	573838.6	C72322	2/10/2009	O	Discrete	0	0.5	0.086	NA	0.18

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-10	1111388.5	573838.6	C72323	2/10/2009	O	Discrete	0.5	1	0.040 U	NA	0.053
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-11	1109941.7	572358.8	C72325	2/10/2009	O	Discrete	0	0.5	0.039 U	NA	0.039 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-11	1109941.7	572358.8	C72326	2/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.046
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-12	1110175.0	571760.1	C72328	2/10/2009	O	Discrete	0	0.5	0.040 U	NA	0.030 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-12	1110175.0	571760.1	C72329	2/10/2009	O	Discrete	0.5	1	0.038 U	NA	0.046 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-13	1110423.8	571287.8	C72331	2/10/2009	O	Discrete	0	0.5	0.037 U	NA	0.067 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-13	1110423.8	571287.8	C72332	2/10/2009	O	Discrete	0.5	1	0.037 U	NA	0.020 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-14	1110896.6	571243.3	C72334	2/10/2009	O	Discrete	0	0.5	0.039 U	NA	0.051 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-14	1110896.6	571243.3	C72335	2/10/2009	O	Discrete	0.5	1	0.040 U	NA	0.069 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-15	1111321.2	571007.7	C72337	2/10/2009	O	Discrete	0	0.5	0.041 U	NA	0.066 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-15	1111321.2	571007.7	C72338	2/10/2009	O	Discrete	0.5	1	0.040 U	NA	0.038 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-16	1112011.9	570338.1	C72340	2/10/2009	O	Discrete	0	0.5	0.19	NA	0.33 J
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-16	1112011.9	570338.1	C72341	2/10/2009	FD	Discrete	0	0.5	0.20	NA	0.36 J
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-16	1112011.9	570338.1	C72342	2/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.049
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-16	1112011.9	570338.1	C72343	2/10/2009	FD	Discrete	0.5	1	0.039 U	NA	0.060 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-17	1112906.5	570023.7	C72346	2/9/2009	O	Discrete	0	0.5	0.043 U	NA	0.076 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-17	1112906.5	570023.7	C72347	2/9/2009	O	Discrete	0.5	1	0.040 U	NA	0.058 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-18	1113515.1	568021.0	C72349	2/9/2009	O	Discrete	0	0.5	0.040 U	NA	0.042 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-18	1113515.1	568021.0	C72350	2/9/2009	O	Discrete	0.5	1	0.041 U	NA	0.084 J
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-19	1113250.7	567652.8	C72352	2/9/2009	O	Discrete	0	0.5	2.4 J	0.017	1.1 J
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-19	1113250.7	567652.8	C72353	2/9/2009	O	Discrete	0.5	1	1.1 J	0.0075	0.76 J
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-20	1113621.8	567548.9	C72355	2/9/2009	O	Discrete	0	0.5	0.040 U	NA	0.044 UBJ
RI/FS - OU-4 Soil (P2)	C9N	C9N-EU1	C9N-20	1113621.8	567548.9	C72356	2/9/2009	O	Discrete	0.5	1	0.041 U	NA	0.036 UBJ
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-01	1107037.6	579280.8	C72358	2/17/2009	O	Discrete	0	0.5	0.038 U	NA	0.052
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-01	1107037.6	579280.8	C72359	2/17/2009	O	Discrete	0.5	1	0.039 U	NA	0.14
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-02	1107415.6	579043.9	C72361	2/17/2009	O	Discrete	0	0.5	0.040 U	NA	0.029 B
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-02	1107415.6	579043.9	C72362	2/17/2009	O	Discrete	0.5	1	0.040 U	NA	0.050
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-03	1108604.9	576769.9	C72364	2/17/2009	O	Discrete	0	0.5	0.58	0.014	0.86
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-03	1108604.9	576769.9	C72365	2/17/2009	O	Discrete	0.5	1	0.21	NA	0.54
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-04	1109643.0	575195.0	C72367	2/10/2009	O	Discrete	0	0.5	0.41	NA	0.49
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-04	1109643.0	575195.0	C72368	2/10/2009	O	Discrete	0.5	1	0.17	NA	0.22
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-05	1110617.3	574075.3	C72370	2/10/2009	O	Discrete	0	0.5	0.33 J	NA	0.64
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-05	1110617.3	574075.3	C72371	2/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.051
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-06	1110916.2	573603.3	C72373	2/10/2009	O	Discrete	0	0.5	0.20	NA	0.39
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-06	1110916.2	573603.3	C72374	2/10/2009	O	Discrete	0.5	1	0.28	NA	0.14
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-07	1110508.0	573170.4	C72376	2/10/2009	O	Discrete	0	0.5	0.45	NA	0.35
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-07	1110508.0	573170.4	C72377	2/10/2009	O	Discrete	0.5	1	0.43	NA	0.39
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-08	1110042.1	573301.9	C72379	2/10/2009	O	Discrete	0	0.5	0.038 U	NA	0.040
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-08	1110042.1	573301.9	C72380	2/10/2009	O	Discrete	0.5	1	0.039 U	NA	0.049
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-09	1109542.5	572893.0	C72382	2/11/2009	O	Discrete	0	0.5	0.040 U	NA	0.060
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-09	1109542.5	572893.0	C72383	2/11/2009	O	Discrete	0.5	1	0.039 U	NA	0.047
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-10	1109436.9	572469.9	C72385	2/10/2009	O	Discrete	0	0.5	0.21	NA	0.28
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-10	1109436.9	572469.9	C72386	2/10/2009	O	Discrete	0.5	1	0.038 U	NA	0.026 B
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-11	1110375.5	570816.0	C72388	2/11/2009	O	Discrete	0	0.5	0.47	NA	0.47
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-11	1110375.5	570816.0	C72389	2/11/2009	O	Discrete	0.5	1	0.038 U	NA	0.077

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-12	1110846.6	570773.7	C72391	2/11/2009	O	Discrete	0	0.5	0.55	0.012	0.77
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-12	1110846.6	570773.7	C72392	2/11/2009	O	Discrete	0.5	1	0.039 U	NA	0.025 B
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-13	1111066.7	570537.7	C72394	2/11/2009	O	Discrete	0	0.5	0.54	0.0088	0.72
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-13	1111066.7	570537.7	C72395	2/11/2009	O	Discrete	0.5	1	0.038 U	NA	0.079
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-14	1111490.3	570063.1	C72397	2/11/2009	O	Discrete	0	0.5	0.37 J	NA	0.50
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-14	1111490.3	570063.1	C72398	2/11/2009	O	Discrete	0.5	1	0.34	NA	0.52
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-15	1111961.7	569973.5	C72400	2/11/2009	O	Discrete	0	0.5	0.42 J	NA	0.52
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-15	1111961.7	569973.5	C72401	2/11/2009	O	Discrete	0.5	1	0.042	NA	0.078
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-16	1112330.1	569394.2	C72403	2/11/2009	O	Discrete	0	0.5	0.039 U	NA	0.086
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-16	1112330.1	569394.2	C72404	2/11/2009	O	Discrete	0.5	1	0.038 U	NA	0.021 B
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-17	1112683.2	569079.8	C72406	2/11/2009	O	Discrete	0	0.5	0.040 U	NA	0.15
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-17	1112683.2	569079.8	C72407	2/11/2009	O	Discrete	0.5	1	0.040 U	NA	0.030 J
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-18	1112589.8	568607.7	C72409	2/11/2009	O	Discrete	0	0.5	0.041 U	NA	0.059
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-18	1112589.8	568607.7	C72410	2/11/2009	FD	Discrete	0	0.5	0.042 U	NA	0.082 J
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-18	1112589.8	568607.7	C72411	2/11/2009	O	Discrete	0.5	1	0.041 U	NA	0.041 J
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-18	1112589.8	568607.7	C72412	2/11/2009	FD	Discrete	0.5	1	0.041 U	NA	0.11 J
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-19	1112571.1	568135.8	C72415	2/11/2009	O	Discrete	0	0.5	0.041 U	NA	0.052 J
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-19	1112571.1	568135.8	C72416	2/11/2009	O	Discrete	0.5	1	0.040 U	NA	0.079 J
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-20	1112924.3	567191.7	C72418	2/11/2009	O	Discrete	0	0.5	0.042 U	NA	0.063 J
RI/FS - OU-4 Soil (P2)	C9S	C9S-EU1	C9S-20	1112924.3	567191.7	C72419	2/11/2009	O	Discrete	0.5	1	0.040 U	NA	0.036 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU2	C3NX-07	1123456.8	652448.0	C72713	8/2/2011	O	Discrete	0	0.5	0.080	NA	0.053 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU2	C3NX-07	1123456.8	652448.0	C72714	8/2/2011	O	Discrete	0.5	1	0.042 U	NA	0.098 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU2	C3NX-08	1123824.4	653258.3	C72715	8/3/2011	O	Discrete	0	0.5	5.0	NA	2.2
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU2	C3NX-08	1123824.4	653258.3	C72716	8/3/2011	O	Discrete	0.5	1	0.041 U	NA	0.044
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-09	1124327.1	653889.9	C72717	8/3/2011	O	Discrete	0	0.5	7.3 J	NA	3.5
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-09	1124327.1	653889.9	C72718	8/3/2011	O	Discrete	0.5	1	2.5	NA	0.48
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-10	1124373.7	654400.1	C72719	8/3/2011	O	Discrete	0	0.5	11	NA	3.9
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-10	1124373.7	654400.1	C72720	8/3/2011	O	Discrete	0.5	1	17	NA	4.0
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-11	1123824.5	654439.2	C72721	8/3/2011	O	Discrete	0	0.5	2.0	1.7	0.97 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-11	1123824.5	654439.2	C72722	8/3/2011	O	Discrete	0.5	1	1.4 J	1.1	0.33 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-11	1123824.5	654439.2	C72723	8/3/2011	FD	Discrete	0.5	1	1.5	1.3	0.62 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-12	1124913.1	654932.2	C72724	8/3/2011	O	Discrete	0	0.5	3.2	2.8	1.1 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-12	1124913.1	654932.2	C72725	8/3/2011	O	Discrete	0.5	1	5.0	NA	1.6 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-13	1125478.5	654922.5	C72726	8/3/2011	O	Discrete	0	0.5	0.039 U	NA	0.085
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-13	1125478.5	654922.5	C72727	8/3/2011	O	Discrete	0.5	1	0.039 U	NA	0.052
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-14	1125084.8	655481.8	C72728	8/3/2011	O	Discrete	0	0.5	0.55 J	NA	0.33
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-14	1125084.8	655481.8	C72729	8/3/2011	O	Discrete	0.5	1	0.22	NA	0.10
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-15	1125489.1	655322.8	C72730	8/3/2011	O	Discrete	0	0.5	0.76 J	NA	0.67
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-15	1125489.1	655322.8	C72731	8/3/2011	O	Discrete	0.5	1	0.13 J	NA	0.096
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-16	1125489.5	656054.4	C72732	8/3/2011	O	Discrete	0	0.5	7.4	NA	2.4
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-16	1125489.5	656054.4	C72733	8/3/2011	O	Discrete	0.5	1	8.6	NA	1.8
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-17	1126439.7	656482.9	C72734	8/3/2011	O	Discrete	0	0.5	43 J	NA	11
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-17	1126439.7	656482.9	C72735	8/3/2011	O	Discrete	0.5	1	62 J	NA	12
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-18	1126005.4	656230.8	C72736	8/3/2011	O	Discrete	0	0.5	2.1 J	2.0	0.89
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-18	1126005.4	656230.8	C72737	8/3/2011	O	Discrete	0.5	1	1.5	NA	0.89

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-19	1126856.9	656475.7	C72738	8/3/2011	O	Discrete	0	0.5	9.5	NA	2.5
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-19	1126856.9	656475.7	C72739	8/3/2011	O	Discrete	0.5	1	6.5	NA	1.7
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-20	1126705.9	656815.1	C72740	8/3/2011	O	Discrete	0	0.5	41 J	NA	7.3
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-20	1126705.9	656815.1	C72741	8/3/2011	FD	Discrete	0	0.5	40 J	NA	9.4
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-20	1126705.9	656815.1	C72742	8/3/2011	O	Discrete	0.5	1	93 J	NA	19
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-21	1126971.5	655943.0	C72776	9/28/2011	O	Discrete	0	0.5	3.7	NA	1.6
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-21	1126971.5	655943.0	C72777	9/28/2011	O	Discrete	0.5	1	1.3	NA	0.81
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-22	1126429.4	655650.0	C72778	9/28/2011	O	Discrete	0	0.5	3.2	NA	0.92
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-22	1126429.4	655650.0	C72779	9/28/2011	O	Discrete	0.5	1	1.6	NA	0.64
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-23	1124773.8	654294.3	C72780	9/28/2011	O	Discrete	0	0.5	9.4	NA	3.5
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-23	1124773.8	654294.3	C72781	9/28/2011	FD	Discrete	0	0.5	8.0	NA	3.1
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-23	1124773.8	654294.3	C72782	9/28/2011	O	Discrete	0.5	1	3.9	NA	1.6 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-23	1124773.8	654294.3	C72783	9/28/2011	FD	Discrete	0.5	1	4.2	NA	1.9
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-24	1124589.7	653793.2	C72784	9/28/2011	O	Discrete	0	0.5	3.7	NA	2.1
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-24	1124589.7	653793.2	C72785	9/28/2011	O	Discrete	0.5	1	0.078	NA	0.10
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU2	C3NX-25	1124103.8	653024.2	C72786	9/29/2011	O	Discrete	0	0.5	0.047	NA	0.041 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU2	C3NX-25	1124103.8	653024.2	C72787	9/29/2011	O	Discrete	0.5	1	0.037 U	NA	0.035 J
RI/FS - OU-4 Soil (P3)	C3N	C4N-EU1	C3NX-27	1121607.2	648760.0	C72790	9/28/2011	O	Discrete	0	0.5	20	NA	5.9
RI/FS - OU-4 Soil (P3)	C3N	C4N-EU1	C3NX-27	1121607.2	648760.0	C72791	9/28/2011	O	Discrete	0.5	1	1.2	NA	0.50 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-28	1125112.3	654345.3	C72792	9/28/2011	O	Discrete	0	0.5	1.7	NA	0.72
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-28	1125112.3	654345.3	C72793	9/28/2011	O	Discrete	0.5	1	0.40	NA	0.18
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-29	1125131.0	653579.8	C72794	9/28/2011	O	Discrete	0	0.5	3.4	NA	1.1
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-29	1125131.0	653579.8	C72795	9/28/2011	O	Discrete	0.5	1	0.71	NA	0.24
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-30	1127062.8	655650.8	C72812	11/15/2011	O	Discrete	0	0.5	0.18	NA	0.13 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-30	1127062.8	655650.8	C72813	11/15/2011	O	Discrete	0.5	1	0.044	NA	0.079 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-31	1126510.5	655144.4	C72814	11/15/2011	O	Discrete	0	0.5	0.10	NA	0.078 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-31	1126510.5	655144.4	C72815	11/15/2011	O	Discrete	0.5	1	0.039 U	NA	0.051 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-32	1125589.9	654138.1	C72816	11/15/2011	O	Discrete	0	0.5	0.041 U	NA	0.081
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-32	1125589.9	654138.1	C72817	11/15/2011	FD	Discrete	0	0.5	0.040 U	NA	0.064
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-32	1125589.9	654138.1	C72818	11/15/2011	O	Discrete	0.5	1	0.10	NA	0.085 J
RI/FS - OU-4 Soil (P3)	C3N	C3N-EU1	C3NX-32	1125589.9	654138.1	C72819	11/15/2011	FD	Discrete	0.5	1	0.096	NA	0.079 J
RI/FS - OU-4 Soil (P3)	C3N	C4N-EU1	C3NX-33	1121769.8	648480.9	C72820	11/15/2011	O	Discrete	0	0.5	2.4 J	0.016	1.5 J
RI/FS - OU-4 Soil (P3)	C3N	C4N-EU1	C3NX-33	1121769.8	648480.9	C72821	11/15/2011	O	Discrete	0.5	1	0.14	NA	0.15 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-01	1121449.3	651849.2	C72743	8/2/2011	O	Discrete	0	0.5	7.6	NA	2.5
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-01	1121449.3	651849.2	C72744	8/2/2011	O	Discrete	0.5	1	27	NA	5.1
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-01	1121449.3	651849.2	C72745	8/2/2011	O	Discrete	1	2	2.6	2.6	1.0
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-01	1121449.3	651849.2	C72746	8/2/2011	O	Discrete	2	3	0.86	NA	NA
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-02	1121514.1	652219.5	C72748	8/2/2011	O	Discrete	0	0.5	5.4	NA	2.9
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-02	1121514.1	652219.5	C72749	8/2/2011	O	Discrete	0.5	1	1.2 J	NA	0.53 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-03	1121760.2	652828.8	C72750	8/2/2011	O	Discrete	0	0.5	15	NA	5.5 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-03	1121760.2	652828.8	C72751	8/2/2011	O	Discrete	0.5	1	7.8	NA	3.2 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-04	1121888.0	653195.6	C72752	8/2/2011	O	Discrete	0	0.5	39 J	NA	5.5
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-04	1121888.0	653195.6	C72753	8/2/2011	O	Discrete	0.5	1	16	NA	1.6
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-04	1121888.0	653195.6	C72754	8/2/2011	O	Discrete	1	2	4.2	2.1	0.75
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-04	1121888.0	653195.6	C72755	8/2/2011	O	Discrete	2	3	1.3	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-04	1121888.0	653195.6	C72756	8/2/2011	O	Discrete	3	4	2.7	NA	NA
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-05	1121620.3	653212.6	C72796	9/28/2011	O	Discrete	0	0.5	25	NA	4.0
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-05	1121620.3	653212.6	C72797	9/28/2011	O	Discrete	0.5	1	1.8	NA	1.2
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-06	1121268.6	652900.8	C72798	9/28/2011	O	Discrete	0	0.5	1.5	NA	0.99
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-06	1121268.6	652900.8	C72799	9/28/2011	O	Discrete	0.5	1	0.96	NA	1.1
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-07	1121018.1	652198.4	C72800	9/29/2011	O	Discrete	0	0.5	1.9	NA	0.92 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-07	1121018.1	652198.4	C72801	9/29/2011	O	Discrete	0.5	1	0.29	NA	0.10 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-08	1121156.1	651868.6	C72802	9/29/2011	O	Discrete	0	0.5	18	NA	5.1 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-08	1121156.1	651868.6	C72803	9/29/2011	O	Discrete	0.5	1	4.1	NA	1.7 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-09	1120886.6	651828.1	C72804	9/29/2011	O	Discrete	0	0.5	9.9	NA	3.3 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-09	1120886.6	651828.1	C72805	9/29/2011	O	Discrete	0.5	1	3.1	NA	1.3 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-10	1120499.6	651752.0	C72822	11/14/2011	O	Discrete	0	0.5	0.038 U	NA	0.036
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-10	1120499.6	651752.0	C72823	11/14/2011	O	Discrete	0.5	1	0.039 U	NA	0.034 U
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-11	1120536.4	652206.3	C72824	11/14/2011	O	Discrete	0	0.5	0.037 U	NA	0.064
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-11	1120536.4	652206.3	C72825	11/14/2011	O	Discrete	0.5	1	0.037 U	NA	0.10
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-12	1120917.5	652749.0	C72826	11/14/2011	O	Discrete	0	0.5	1.1	NA	1.1
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-12	1120917.5	652749.0	C72827	11/14/2011	O	Discrete	0.5	1	0.058	NA	0.038 J
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-13	1121363.6	653367.0	C72828	11/14/2011	O	Discrete	0	0.5	1.4	0.012	0.79
RI/FS - OU-4 Soil (P3)	C3S	C3S-EU2	C3SX-13	1121363.6	653367.0	C72829	11/14/2011	O	Discrete	0.5	1	1.9	NA	0.97
RI/FS - OU-4 Soil (P3)	C3S	C4S-EU1	C3SX-14	1120827.6	651250.0	C72830	11/15/2011	O	Discrete	0	0.5	0.53	NA	0.53 J
RI/FS - OU-4 Soil (P3)	C3S	C4S-EU1	C3SX-14	1120827.6	651250.0	C72831	11/15/2011	O	Discrete	0.5	1	0.039 U	NA	0.094 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-01	1121499.8	648859.8	C72700	8/3/2011	O	Discrete	0	0.5	3.7	NA	2.0
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-01	1121499.8	648859.8	C72701	8/3/2011	O	Discrete	0.5	1	0.30 J	NA	0.22
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-02	1122333.4	649671.6	C72702	8/2/2011	O	Discrete	0	0.5	7.4	NA	2.4 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-02	1122333.4	649671.6	C72703	8/2/2011	O	Discrete	0.5	1	1.6	1.2	0.38 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-03	1122335.6	650783.1	C72704	8/2/2011	O	Discrete	0	0.5	0.085 J	NA	0.32
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-03	1122335.6	650783.1	C72705	8/2/2011	FD	Discrete	0	0.5	0.17 J	NA	0.32 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-03	1122335.6	650783.1	C72706	8/2/2011	O	Discrete	0.5	1	0.19 J	NA	0.29 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-04	1122673.6	651327.6	C72707	8/2/2011	O	Discrete	0	0.5	1.6	1.6	0.90 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-04	1122673.6	651327.6	C72708	8/2/2011	O	Discrete	0.5	1	0.038 U	NA	0.049 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-05	1122755.8	651517.5	C72709	8/2/2011	O	Discrete	0	0.5	0.040 U	NA	0.050 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-05	1122755.8	651517.5	C72710	8/2/2011	O	Discrete	0.5	1	0.039 U	NA	0.038 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-06	1122713.8	650170.6	C72711	8/2/2011	O	Discrete	0	0.5	0.037 U	NA	0.069 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-06	1122713.8	650170.6	C72712	8/2/2011	O	Discrete	0.5	1	0.13 J	NA	0.14 J
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-26	1122527.5	649298.3	C72788	9/28/2011	O	Discrete	0	0.5	0.75	NA	0.54
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU1	C3NX-26	1122527.5	649298.3	C72789	9/28/2011	O	Discrete	0.5	1	0.53	NA	0.37
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU2	C4NX-01	1119505.9	639437.6	C72757	8/3/2011	O	Discrete	0	0.5	0.036 U	NA	0.053
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU2	C4NX-01	1119505.9	639437.6	C72758	8/3/2011	O	Discrete	0.5	1	0.037 U	NA	0.065
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU2	C4NX-02	1119272.2	639915.7	C72759	8/3/2011	O	Discrete	0	0.5	0.042 J	NA	0.11
RI/FS - OU-4 Soil (P3)	C4N	C4N-EU2	C4NX-02	1119272.2	639915.7	C72760	8/3/2011	O	Discrete	0.5	1	0.037 U	NA	0.036
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-01	1120829.6	648901.1	C72600	2/24/2010	O	Discrete	2	3	28	NA	1.6
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-01	1120829.6	648901.1	C72601	2/24/2010	O	Discrete	3	4	23	NA	1.8
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-02	1120366.9	648972.1	C72602	2/24/2010	O	Discrete	2	3	0.040 U	NA	0.014 U
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-02	1120366.9	648972.1	C72603	2/24/2010	O	Discrete	3	4	0.040 U	NA	0.018 B
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-03	1120618.5	648510.1	C72604	2/24/2010	O	Discrete	2	3	4.4	0.019	1.2

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-03	1120618.5	648510.1	C72605	2/24/2010	FD	Discrete	2	3	2.7	NA	0.71
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-03	1120618.5	648510.1	C72606	2/24/2010	O	Discrete	3	4	2.4	NA	1.0
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-04	1120010.0	648293.8	C72607	2/24/2010	O	Discrete	2	3	14	NA	3.4
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-04	1120010.0	648293.8	C72608	2/24/2010	O	Discrete	3	4	0.77	NA	0.45
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C72609	2/24/2010	O	Discrete	2	3	1.9	NA	0.68
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-05	1120087.9	647836.1	C72610	2/24/2010	O	Discrete	3	4	0.086	NA	0.039
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-06	1119519.9	647880.1	C72611	2/24/2010	O	Discrete	2	3	7.1	NA	0.78
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4S-06	1119519.9	647880.1	C72612	2/24/2010	O	Discrete	3	4	0.30	NA	0.44
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-01	1119532.1	648404.9	C72761	8/2/2011	O	Discrete	0	0.5	1.0	NA	0.81
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-01	1119532.1	648404.9	C72762	8/2/2011	O	Discrete	0.5	1	0.047 J	NA	0.10
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-02	1119355.5	647909.2	C72763	8/2/2011	O	Discrete	0	0.5	14	NA	7.7
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-02	1119355.5	647909.2	C72764	8/2/2011	O	Discrete	0.5	1	3.5	2.8	1.7
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-03	1118865.8	647260.1	C72765	8/2/2011	O	Discrete	0	0.5	16	NA	4.7
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-03	1118865.8	647260.1	C72766	8/2/2011	O	Discrete	0.5	1	9.7	NA	3.6
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-04	1119243.3	648499.9	C72806	9/29/2011	O	Discrete	0	0.5	0.29	NA	0.56 J
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-04	1119243.3	648499.9	C72807	9/29/2011	O	Discrete	0.5	1	0.040 U	NA	0.054 J
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-05	1119140.4	647922.6	C72808	9/29/2011	O	Discrete	0	0.5	0.38 J	NA	0.30 J
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-05	1119140.4	647922.6	C72809	9/29/2011	O	Discrete	0.5	1	0.041 U	NA	0.054 J
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-06	1118699.5	647387.0	C72810	9/29/2011	O	Discrete	0	0.5	0.040 U	NA	0.039 J
RI/FS - OU-4 Soil (P3)	C4S	C4S-EU1	C4SX-06	1118699.5	647387.0	C72811	9/29/2011	O	Discrete	0.5	1	0.040 U	NA	0.031 J
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-01	1108350.5	584276.3	C72767	8/4/2011	O	Discrete	0	0.5	0.037 U	NA	0.034
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-01	1108350.5	584276.3	C72768	8/4/2011	O	Discrete	0.5	1	0.037 U	NA	0.055
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-02	1106249.5	585229.4	C72769	8/4/2011	O	Discrete	0	0.5	0.038 U	NA	0.021 J
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-02	1106249.5	585229.4	C72770	8/4/2011	O	Discrete	0.5	1	0.039 U	NA	0.024 J
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-03	1107214.6	585131.5	C72771	8/4/2011	O	Discrete	0	0.5	0.036 U	NA	0.031
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-03	1107214.6	585131.5	C72772	8/4/2011	O	Discrete	0.5	1	0.037 U	NA	0.026 J
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-04	1108252.9	585119.3	C72773	8/4/2011	O	Discrete	0	0.5	0.038 U	NA	0.017 J
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-04	1108252.9	585119.3	C72774	8/4/2011	O	Discrete	0.5	1	0.040 U	NA	0.021 J
RI/FS - OU-4 Soil (P3)	C8N	C8N-EU1	C8NX-04	1108252.9	585119.3	C72775	8/4/2011	FD	Discrete	0.5	1	0.039 U	NA	0.0048 J
Tennis Court Water Line	C1E	C1-EU1	OLWL-3	1130504.5	659474.6	OLWL-3	10/9/2002	O	Discrete	0	2	0.59 J	NA	NA
Tennis Court Water Line	C1E	C1-EU2	OLWL-4	1130520.1	659319.9	OLWL-4	10/9/2002	O	Discrete	0	2	0.24 J	NA	NA
WWTP	C2N	C2N-EU1	PC1-08	1129276.1	657826.6	PC1-08	5/8/2001	O	Discrete	0	2	0.13	NA	NA
WWTP	C2N	C2N-EU1	PC1-09	1129225.7	657825.8	PC1-09	5/8/2001	O	Discrete	0	2	1.0	NA	NA
WWTP	C2N	C2N-EU1	PC1-09	1129225.7	657825.8	PC1-09 (4-6)	5/8/2001	O	Discrete	4	6	3.4	NA	NA
WWTP	C2N	C2N-EU1	PC1-21	1129281.5	658125.7	PC1-21	5/8/2001	O	Discrete	0	2	0.49	NA	NA
WWTP	C2N	C2N-EU1	PC1-22	1129280.3	658147.1	PC1-22	5/8/2001	O	Discrete	0	2	0.23	NA	NA
WWTP	C2N	C2N-EU1	PC1-26	1129181.8	658221.6	PC1-26	5/9/2001	O	Discrete	0	2	0.16	NA	NA
WWTP	C2N	C2N-EU1	PC1-27	1129160.7	658223.3	PC1-27	5/9/2001	O	Discrete	0	2	3.5	NA	NA
WWTP	C2N	C2N-EU1	PC1-27	1129160.7	658223.3	PC1-27 (6-8)	5/9/2001	O	Discrete	6	8	2.4	NA	NA
WWTP	C2N	C2N-EU1	PC1-28	1129182.2	658270.5	PC1-28	5/9/2001	O	Discrete	0	2	0.53	NA	NA
WWTP	C2N	C2N-EU1	PC1-28	1129182.2	658270.5	PC1-28 (4-6)	5/9/2001	O	Discrete	4	6	0.96	NA	NA
WWTP	C2N	C2N-EU1	PC1-29	1129161.5	658270.0	PC1-29	5/9/2001	O	Discrete	0	2	0.96	NA	NA
WWTP	C2N	C2N-EU1	PC1-29	1129161.5	658270.0	PC1-29 (4-6)	5/9/2001	O	Discrete	4	6	11	NA	NA
WWTP	C2N	C2N-EU1	PC3-01	1129336.6	658121.0	PC3-01	5/14/2001	O	Discrete	0	2	0.62	NA	NA
WWTP	C2N	C2N-EU1	PC3-02	1129374.2	658124.0	PC3-02	5/14/2001	O	Discrete	0	2	0.14	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
WWTP	C2N	C2N-EU1	PC3-03	1129398.8	658136.6	PC3-03	5/14/2001	O	Discrete	0	2	0.077 U	NA	NA
WWTP	C2N	C2N-EU1	PC3-04	1129397.4	658190.7	PC3-04	5/14/2001	O	Discrete	0	2	0.22	NA	NA
WWTP	C2N	C2N-EU1	PC3-04	1129397.4	658190.7	PC3-04 (2-4)	5/14/2001	O	Discrete	2	4	12	NA	NA
WWTP	C2N	C2N-EU1	PC3-06	1129400.1	658300.3	PC3-06	5/14/2001	O	Discrete	0	2	2.9	NA	NA
WWTP	C2N	C2N-EU1	PC3-06	1129400.1	658300.3	PC3-06 (Dup)	5/14/2001	FD	Discrete	0	2	2.2	NA	NA
WWTP	C2N	C2N-EU1	PC3-07	1129400.3	658354.9	PC3-07	5/14/2001	O	Discrete	0	2	9.3	NA	NA
WWTP	C2N	C2N-EU1	PC3-07	1129400.3	658354.9	PC3-07 (2-4)	5/14/2001	O	Discrete	2	4	4.6	NA	NA
WWTP	C2N	C2N-EU1	PC3-08	1129400.5	658408.2	PC3-08	5/14/2001	O	Discrete	0	2	11	NA	NA
WWTP	C2N	C2N-EU1	PC3-08	1129400.5	658408.2	PC3-08 (2-4)	5/14/2001	O	Discrete	2	4	3.2	NA	NA
WWTP	C2N	C2N-EU1	PC3-09	1129402.2	658464.0	PC3-09	5/14/2001	O	Discrete	0	2	8.4	NA	NA
WWTP	C2N	C2N-EU1	PC3-09	1129402.2	658464.0	PC3-09 (2-4)	5/14/2001	O	Discrete	2	4	5.1	NA	NA
WWTP	C2N	C2N-EU1	PC3-10	1129397.2	658082.5	PC3-10	5/15/2001	O	Discrete	0	2	3.7	NA	NA
WWTP	C2N	C2N-EU1	PC3-10	1129397.2	658082.5	PC3-10 (2-4)	5/15/2001	O	Discrete	2	4	0.41	NA	NA
WWTP	C2N	C2N-EU1	PC3-11	1129397.2	658027.3	PC3-11	5/15/2001	O	Discrete	0	2	0.52	NA	NA
WWTP	C2N	C2N-EU1	PC3-11	1129397.2	658027.3	PC3-11 (2-4)	5/15/2001	O	Discrete	2	4	1.5	NA	NA
WWTP	C2N	C2N-EU1	PC3-12	1129393.9	657974.8	PC3-12	5/15/2001	O	Discrete	0	2	0.16	NA	NA
WWTP	C2N	C2N-EU1	PC3-12	1129393.9	657974.8	PC3-12 (2-4)	5/15/2001	O	Discrete	2	4	2.8	NA	NA
WWTP	C2N	C2N-EU1	PC3-13	1129395.4	657918.5	PC3-13	5/15/2001	O	Discrete	0	2	0.29	NA	NA
WWTP	C2N	C2N-EU1	PC3-14	1129392.5	657866.8	PC3-14	5/15/2001	O	Discrete	0	2	2.2	NA	NA
WWTP	C2N	C2N-EU1	PC3-15	1129393.0	657813.1	PC3-15	5/15/2001	O	Discrete	0	2	2.8	NA	NA
WWTP	C2N	C2N-EU1	PC3-15	1129393.0	657813.1	PC3-15 (2-4)	5/15/2001	O	Discrete	2	4	0.11	NA	NA
WWTP	C2N	C2N-EU1	PC3-21H	1129217.4	658511.0	PC3-21H (2-4)	5/16/2001	O	Discrete	2	4	130	NA	NA
WWTP	C2N	C2N-EU1	PC3-22H	1129270.7	658511.6	PC3-22H (2-4)	5/16/2001	O	Discrete	2	4	110	NA	NA
WWTP	C2N	C2N-EU1	PC3-23H	1129326.3	658511.2	PC3-23H (2-4)	5/16/2001	O	Discrete	2	4	95	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-12	1119966.0	646665.6	ARA-12 (0-2')	10/7/2013	O	Discrete	0	2	8.9 J	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-22	1119597.0	645552.2	ARA-22 (0-2')	10/8/2013	O	Discrete	0	2	1.6 J	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-22	1119597.0	645552.2	ARA-22 (2-4')	10/8/2013	O	Discrete	2	4	0.081 U	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-24	1119597.0	645163.9	ARA-24 (0-0.5')	10/8/2013	O	Discrete	0	0.5	0.46 J	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-27	1119576.5	645015.4	ARA-27 (0-0.5')	10/8/2013	O	Discrete	0	0.5	1.1	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-28	1119562.3	644967.4	ARA-28 (0-2')	10/8/2013	O	Discrete	0	2	0.96 J	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-35	1119463.1	644631.8	ARA-35 (0-0.5')	10/8/2013	O	Discrete	0	0.5	2.5	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-35	1119463.1	644631.8	ARA-35 (0.5'-2')	10/8/2013	O	Discrete	0.5	2	0.91	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-40	1119321.0	643895.6	ARA-40 (0-2')	10/8/2013	O	Discrete	0	2	0.21	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-47	1120108.2	644516.3	ARA-47 (0-0.5')	10/9/2013	O	Discrete	0	0.5	0.77 J	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-53	1120160.5	647250.1	ARA-53 (0-2')	10/10/2013	O	Discrete	0	2	2.3 J	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-53	1120160.5	647250.1	ARA-53 (0-2'-X)	10/10/2013	FD	Discrete	0	2	1.5 J	NA	NA
Anniston Airport	C4N	C4N-EU1	ARA-53	1120160.5	647250.1	ARA-53 (2-4')	10/10/2013	O	Discrete	2	4	1.5 J	NA	NA
Colonial Pipeline	C3S	C3S-EU2	242-1	1122222.2	653318.2	242-1 (0-6")	6/25/2013	O	Discrete	0	0.5	1.2	NA	NA
Colonial Pipeline	C3S	C3S-EU2	242-1	1122222.2	653318.2	242-1 (0-6"-X)	6/25/2013	FD	Discrete	0	0.5	1.0	NA	NA
Colonial Pipeline	C3S	C3S-EU2	242-1	1122222.2	653318.2	242-1 (6-12")	6/25/2013	O	Discrete	0.5	1	0.12	NA	NA
Colonial Pipeline	C4N	C4N-EU2	236-3	1120974.1	642196.4	236-3 (0-6")	6/25/2013	O	Discrete	0	0.5	0.085 U	NA	NA
Colonial Pipeline	C4S	C4S-EU1	239-2	1120416.9	649460.3	239-2 (0-6")	6/24/2013	O	Discrete	0	0.5	5.0	NA	NA
Colonial Pipeline	C4S	C4S-EU1	239-3	1120402.7	649508.3	239-3 (0-6")	6/24/2013	O	Discrete	0	0.5	16	NA	NA
Colonial Pipeline	C4S	C4S-EU1	239-3	1120402.7	649508.3	239-3 (6-12")	6/24/2013	O	Discrete	0.5	1	7.0	NA	NA
Colonial Pipeline	C4S	C4S-EU1	239-4	1120388.6	649556.2	239-4 (0-6")	6/24/2013	O	Discrete	0	0.5	13	NA	NA

Table 4-1. OU-4 Nonresidential Floodplain Soil PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston, PCB Site, Anniston, Alabama

Dataset	Ecological EU	Human EU	Location ID	Northing	Easting	Sample Name	Sample Date	QA Type	Sample Type	Depth Top (ft)	Depth Bottom (ft)	Total PCBs[1,2] (mg/kg)	Total TEQ - ND=0 (µg/kg)	Mercury (mg/kg)
Colonial Pipeline	C4S	C4S-EU1	239-4	1120388.6	649556.2	239-4 (2-4')	6/26/2013	O	Discrete	2	4	2.8 J	NA	NA
Colonial Pipeline	C4S	C4S-EU1	239-4	1120388.6	649556.2	239-4 (4-6')	6/26/2013	O	Discrete	4	6	0.091 U	NA	NA
Colonial Pipeline	C4S	C4S-EU1	239-5	1120373.0	649608.7	239-5 (0-6")	6/24/2013	O	Discrete	0	0.5	6.5	NA	NA
Colonial Pipeline	C4S	C4S-EU1	239-6	1120370.2	649618.3	239-6 (0-6")	6/24/2013	O	Discrete	0	0.5	18	NA	NA
Colonial Pipeline	C4S	C4S-EU1	240-1	1120314.8	649791.5	240-1 (0-6")	6/24/2013	O	Discrete	0	0.5	6.3	NA	NA
Colonial Pipeline	C4S	C4S-EU1	240-1	1120314.8	649791.5	240-1 (6-12")	6/24/2013	O	Discrete	0.5	1	4.4	NA	NA
Colonial Pipeline	C4S	C4S-EU1	240-3	1120349.1	649840.8	240-3 (0-6")	6/27/2013	O	Discrete	0	0.5	2.5	NA	NA
Colonial Pipeline	C4S	C4S-EU1	240-4	1120377.6	649881.8	240-4 (0-6")	6/26/2013	O	Discrete	0	0.5	0.087 UJ	NA	NA
Colonial Pipeline	C4S	C4S-EU1	240-4	1120377.6	649881.8	240-4 (0-6"-X)	6/26/2013	FD	Discrete	0	0.5	0.052	NA	NA
Colonial Pipeline	C4S	C4S-EU1	240-8	1120441.6	649973.7	240-8 (12-24")	6/25/2013	O	Discrete	1	2	0.091 U	NA	NA

1. Total PCB results were calculated as the sum of the detected Aroclors. If all results were nondetect, then the highest individual reporting limit (e.g., for a single Aroclor) was used. Results were reported to two significant figures.
2. J: The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
U: The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.

APCO FP: Alabama Power Company floodplain
B: indicates an estimated value between the instrument detection limit and the reporting limit.
EU: exposure unit
FD: field duplicate
ft: foot/feet
ID: identification
mg/kg: milligram(s) per kilogram
NA: not analyzed
O: Original
OU: operable unit
P1: Phase 1
P2: Phase 2
P3: Phase 3
PCB: polychlorinated biphenyl
QA: quality assurance
RFI: Resource Conservation and Recovery Act (RCRA) Facility Investigation
RI/FS: Remedial Investigation/Feasibility Study
TEQ: toxic equivalents
WWTP: wastewater treatment plant

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
PCB Homolog	Total Monochlorobiphenyl	mg/kg	154	126	0.00024	0.054	0.0052
PCB Homolog	Total Dichlorobiphenyl	mg/kg	154	142	0.00056	0.16	0.020
PCB Homolog	Total Trichlorobiphenyl	mg/kg	154	148	0.0011	0.41	0.064
PCB Homolog	Total Tetrachlorobiphenyl	mg/kg	154	152	0.00089	1.4	0.21
PCB Homolog	Total Pentachlorobiphenyl	mg/kg	154	152	0.0017	1.7	0.39
PCB Homolog	Total Hexachlorobiphenyl	mg/kg	154	152	0.0050	2.3	0.53
PCB Homolog	Total Heptachlorobiphenyl	mg/kg	154	152	0.0042	1.1	0.31
PCB Homolog	Total Octachlorobiphenyl	mg/kg	154	152	0.0034	0.46	0.13
PCB Homolog	Total Nonachlorobiphenyl	mg/kg	154	152	0.0018	0.46	0.072
PCB Homolog	Decachlorobiphenyl	mg/kg	154	152	0.00082	0.44	0.041
PCB Homolog Total	Total Homolog PCBs (Max DL)	mg/kg	154	152	0.022	7.6	1.8
PCB Congener	BZ#77	mg/kg	154	12	0.0019	0.32	0.096
PCB Congener	BZ#81	mg/kg	154	0	NA	NA	NA
PCB Congener	BZ#105	mg/kg	154	143	0.0021	0.14	0.046
PCB Congener	BZ#114	mg/kg	154	1	0.0089	0.0089	0.0089
PCB Congener	BZ#118	mg/kg	154	148	0.0019	0.28	0.085
PCB Congener	BZ#123	mg/kg	154	3	0.0041	0.023	0.017
PCB Congener	BZ#126	mg/kg	154	21	0.0020	0.044	0.020
PCB Congener	BZ#153	mg/kg	154	149	0.0032	0.44	0.14
PCB Congener	BZ#156	mg/kg	154	137	0.0016	0.048	0.017
PCB Congener	BZ#157	mg/kg	154	38	0.0018	0.017	0.0069
PCB Congener	BZ#167	mg/kg	154	23	0.0027	0.015	0.0080
PCB Congener	BZ#169	mg/kg	154	0	NA	NA	NA
PCB Congener	BZ#189	mg/kg	154	1	0.0015	0.0015	0.0015
PCB Congener	WHO Congener TEQ (ND = 0)	µg/kg	154	148	0.000057	4.4	0.28949
PCDD/DF	2,3,7,8-TCDD	pg/g	148	15	0.12	0.75	0.30
PCDD/DF	1,2,3,7,8-PeCDD	pg/g	148	45	0.17	1.6	0.61
PCDD/DF	1,2,3,4,7,8-HxCDD	pg/g	148	111	0.19	3.2	1.1
PCDD/DF	1,2,3,6,7,8-HxCDD	pg/g	148	125	0.20	18	3.1
PCDD/DF	1,2,3,7,8,9-HxCDD	pg/g	148	121	0.32	8.4	2.8
PCDD/DF	1,2,3,4,6,7,8-HpCDD	pg/g	148	148	12	430	85
PCDD/DF	Octa CDD	pg/g	148	148	350	10,000	2,500

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
PCDD/DF	2,3,7,8-TCDF	pg/g	148	135	0.77	790	54
PCDD/DF	1,2,3,7,8-PeCDF	pg/g	148	93	0.40	1,200	32
PCDD/DF	2,3,4,7,8-PeCDF	pg/g	148	134	0.47	74	12
PCDD/DF	1,2,3,4,7,8-HxCDF	pg/g	148	139	0.59	180	26
PCDD/DF	1,2,3,6,7,8-HxCDF	pg/g	148	136	1.1	380	40
PCDD/DF	1,2,3,7,8,9-HxCDF	pg/g	148	53	0.22	4.7	0.90
PCDD/DF	2,3,4,6,7,8-HxCDF	pg/g	148	115	0.30	16	4.3
PCDD/DF	1,2,3,4,6,7,8-HpCDF	pg/g	148	109	1.7	160	35
PCDD/DF	1,2,3,4,7,8,9-HpCDF	pg/g	148	132	0.18	55	7.8
PCDD/DF	Octa CDF	pg/g	148	144	2.2	250	62
PCDD/DF	Total Tetra CDD	pg/g	148	105	0.091	67	3.0
PCDD/DF	Total Penta CDD	pg/g	148	57	0.17	14	3.3
PCDD/DF	Total Hexa CDD	pg/g	148	141	0.80	78	17
PCDD/DF	Total Hepta CDD	pg/g	148	148	21	860	180
PCDD/DF	Total Tetra CDF	pg/g	148	148	3.4	8,300	680
PCDD/DF	Total Penta CDF	pg/g	148	148	3.4	7,900	740
PCDD/DF	Total Hexa CDF	pg/g	148	147	0.42	1,300	200
PCDD/DF	Total Hepta CDF	pg/g	148	145	0.25	340	65
PCDD/DF	WHO Dioxin TEQ (ND = 0)	µg/kg	148	148	0.00058	0.14	0.018
Metals	Aluminum	mg/kg	27	27	6,000	21,000	11,000
Metals	Antimony	mg/kg	27	15	0.62	1.5	0.85
Metals	Arsenic	mg/kg	158	158	2.0	19	6.4
Metals	Barium	mg/kg	158	158	5.6	280	100
Metals	Beryllium	mg/kg	158	156	0.21	1.3	0.65
Metals	Cadmium	mg/kg	158	119	0.058	2.5	0.39
Metals	Calcium	mg/kg	27	27	270	1,400	800
Metals	Chromium	mg/kg	158	158	4.1	80	16
Metals	Cobalt	mg/kg	158	158	2.7	35	8.5
Metals	Copper	mg/kg	27	16	5.2	30	16
Metals	Iron	mg/kg	27	27	9,500	43,000	18,000
Metals	Lead	mg/kg	158	157	5.4	130	28
Metals	Magnesium	mg/kg	27	27	380	1,500	820

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Metals	Manganese	mg/kg	158	158	99	4,300	820
Metals	Mercury	mg/kg	1,556	1,523	0.0048	33	1.1
Metals	Nickel	mg/kg	158	158	2.4	18	7.2
Metals	Potassium	mg/kg	27	27	360	1,800	660
Metals	Selenium	mg/kg	27	0	NA	NA	NA
Metals	Silver	mg/kg	27	1	0.42	0.42	0.42
Metals	Sodium	mg/kg	27	0	NA	NA	NA
Metals	Thallium	mg/kg	27	7	0.55	1.5	0.97
Metals	Vanadium	mg/kg	158	158	4.3	45	20
Metals	Zinc	mg/kg	27	26	18	180	64
Metals	Methylmercury	mg/kg	7	7	0.000089	0.0020	0.00063
Inorganics	Cyanide	mg/kg	25	12	0.16	0.66	0.23
PAHs	2-Chloronaphthalene	µg/kg	25	0	NA	NA	NA
PAHs	2-Methylnaphthalene	µg/kg	25	0	NA	NA	NA
PAHs	Acenaphthene	µg/kg	25	0	NA	NA	NA
PAHs	Acenaphthylene	µg/kg	25	0	NA	NA	NA
PAHs	Anthracene	µg/kg	25	0	NA	NA	NA
PAHs	Benzo(a)anthracene	µg/kg	25	12	17	84	40
PAHs	Benzo(a)pyrene	µg/kg	25	11	20	83	46
PAHs	Benzo(b)fluoranthene	µg/kg	25	12	18	99	51
PAHs	Benzo(g,h,i)perylene	µg/kg	25	8	31	57	43
PAHs	Benzo(k)fluoranthene	µg/kg	25	11	19	120	52
PAHs	Chrysene	µg/kg	25	14	18	130	53
PAHs	Dibenzo(a,h)anthracene	µg/kg	25	0	NA	NA	NA
PAHs	Fluoranthene	µg/kg	25	14	22	190	75
PAHs	Fluorene	µg/kg	25	0	NA	NA	NA
PAHs	Indeno(1,2,3-cd)pyrene	µg/kg	25	8	31	63	39
PAHs	Naphthalene	µg/kg	25	0	NA	NA	NA
PAHs	Phenanthrene	µg/kg	25	8	26	67	36
PAHs	Pyrene	µg/kg	25	14	19	150	64
PAHs Total	Total PAHs (Max DL)	µg/kg	25	14	77	1,000	410
SVOCs	1,1'-Biphenyl	µg/kg	25	0	NA	NA	NA

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
SVOCs	2,2'-Oxybis(1-Chloropropane)	µg/kg	25	0	NA	NA	NA
SVOCs	2,4,5-Trichlorophenol	µg/kg	25	0	NA	NA	NA
SVOCs	2,4,6-Trichlorophenol	µg/kg	25	0	NA	NA	NA
SVOCs	2,4-Dichlorophenol	µg/kg	25	0	NA	NA	NA
SVOCs	2,4-Dimethylphenol	µg/kg	25	0	NA	NA	NA
SVOCs	2,4-Dinitrophenol	µg/kg	25	0	NA	NA	NA
SVOCs	2,4-Dinitrotoluene	µg/kg	25	0	NA	NA	NA
SVOCs	2,6-Dinitrotoluene	µg/kg	25	0	NA	NA	NA
SVOCs	2-Chlorophenol	µg/kg	25	0	NA	NA	NA
SVOCs	2-Methylphenol	µg/kg	25	0	NA	NA	NA
SVOCs	2-Nitroaniline	µg/kg	25	0	NA	NA	NA
SVOCs	2-Nitrophenol	µg/kg	25	0	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine	µg/kg	24	0	NA	NA	NA
SVOCs	3-Nitroaniline	µg/kg	25	0	NA	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol	µg/kg	25	0	NA	NA	NA
SVOCs	4-Bromophenyl-phenylether	µg/kg	25	0	NA	NA	NA
SVOCs	4-Chloro-3-methylphenol	µg/kg	25	0	NA	NA	NA
SVOCs	4-Chloroaniline	µg/kg	25	0	NA	NA	NA
SVOCs	4-Chlorophenyl-phenylether	µg/kg	25	0	NA	NA	NA
SVOCs	4-Methylphenol	µg/kg	25	0	NA	NA	NA
SVOCs	4-Nitroaniline	µg/kg	25	0	NA	NA	NA
SVOCs	4-Nitrophenol	µg/kg	25	0	NA	NA	NA
SVOCs	Acetophenone	µg/kg	25	18	20	56	31
SVOCs	Atrazine	µg/kg	25	0	NA	NA	NA
SVOCs	Benzaldehyde	µg/kg	25	3	58	67	63
SVOCs	bis(2-Chloroethoxy)methane	µg/kg	25	0	NA	NA	NA
SVOCs	bis(2-Chloroethyl)ether	µg/kg	25	0	NA	NA	NA
SVOCs	bis(2-Ethylhexyl)phthalate	µg/kg	25	17	19	98	42
SVOCs	Butylbenzylphthalate	µg/kg	25	0	NA	NA	NA
SVOCs	Caprolactam	µg/kg	25	4	27	47	39
SVOCs	Carbazole	µg/kg	25	0	NA	NA	NA
SVOCs	Dibenzofuran	µg/kg	25	0	NA	NA	NA

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
SVOCs	Diethylphthalate	µg/kg	25	0	NA	NA	NA
SVOCs	Dimethylphthalate	µg/kg	25	0	NA	NA	NA
SVOCs	Di-n-butylphthalate	µg/kg	25	0	NA	NA	NA
SVOCs	Di-n-octylphthalate	µg/kg	25	0	NA	NA	NA
SVOCs	Hexachlorobenzene	µg/kg	25	0	NA	NA	NA
SVOCs	Hexachlorobutadiene	µg/kg	25	0	NA	NA	NA
SVOCs	Hexachlorocyclopentadiene	µg/kg	25	0	NA	NA	NA
SVOCs	Hexachloroethane	µg/kg	25	0	NA	NA	NA
SVOCs	Isophorone	µg/kg	25	0	NA	NA	NA
SVOCs	Nitrobenzene	µg/kg	25	0	NA	NA	NA
SVOCs	N-Nitroso-di-n-propylamine	µg/kg	25	0	NA	NA	NA
SVOCs	N-Nitrosodiphenylamine	µg/kg	25	0	NA	NA	NA
SVOCs	Pentachlorophenol	µg/kg	25	0	NA	NA	NA
SVOCs	Phenol	µg/kg	25	0	NA	NA	NA
VOCs	1,1,1-Trichloroethane	µg/kg	24	0	NA	NA	NA
VOCs	1,1,2,2-Tetrachloroethane	µg/kg	22	0	NA	NA	NA
VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/kg	24	0	NA	NA	NA
VOCs	1,1,2-Trichloroethane	µg/kg	24	0	NA	NA	NA
VOCs	1,1-Dichloroethane	µg/kg	24	0	NA	NA	NA
VOCs	1,1-Dichloroethene	µg/kg	24	0	NA	NA	NA
VOCs	1,2,4-Trichlorobenzene	µg/kg	24	3	1.5	30	11
VOCs	1,2-Dibromo-3-chloropropane	µg/kg	21	0	NA	NA	NA
VOCs	1,2-Dibromoethane	µg/kg	24	0	NA	NA	NA
VOCs	1,2-Dichlorobenzene	µg/kg	22	1	8.1	8.1	8.1
VOCs	1,2-Dichloroethane	µg/kg	24	0	NA	NA	NA
VOCs	1,2-Dichloroethene (total)	µg/kg	24	0	NA	NA	NA
VOCs	1,2-Dichloropropane	µg/kg	24	0	NA	NA	NA
VOCs	1,3-Dichlorobenzene	µg/kg	21	0	NA	NA	NA
VOCs	1,4-Dichlorobenzene	µg/kg	22	1	9.6	9.6	9.6
VOCs	2-Butanone	µg/kg	25	25	5.1	1,300	77
VOCs	2-Hexanone	µg/kg	24	0	NA	NA	NA
VOCs	4-Methyl-2-pentanone	µg/kg	24	0	NA	NA	NA

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
VOCs	Acetone	µg/kg	25	25	78	15,000	850
VOCs	Benzene	µg/kg	25	2	1.1	7.9	4.5
VOCs	Bromochloromethane	µg/kg	24	0	NA	NA	NA
VOCs	Bromodichloromethane	µg/kg	24	0	NA	NA	NA
VOCs	Bromoform	µg/kg	24	0	NA	NA	NA
VOCs	Carbon Disulfide	µg/kg	25	2	1.1	11	6.1
VOCs	Carbon Tetrachloride	µg/kg	24	0	NA	NA	NA
VOCs	Chlorobenzene	µg/kg	24	0	NA	NA	NA
VOCs	Chloroethane	µg/kg	24	0	NA	NA	NA
VOCs	Chloroform	µg/kg	24	0	NA	NA	NA
VOCs	Chloromethane	µg/kg	25	2	4.4	36	20
VOCs	cis-1,2-Dichloroethene	µg/kg	24	0	NA	NA	NA
VOCs	cis-1,3-Dichloropropene	µg/kg	24	0	NA	NA	NA
VOCs	Cyclohexane	µg/kg	24	0	NA	NA	NA
VOCs	Dibromochloromethane	µg/kg	24	0	NA	NA	NA
VOCs	Dichlorodifluoromethane	µg/kg	24	0	NA	NA	NA
VOCs	Ethylbenzene	µg/kg	24	0	NA	NA	NA
VOCs	Fluorotrichloromethane	µg/kg	24	0	NA	NA	NA
VOCs	Isopropylbenzene	µg/kg	23	0	NA	NA	NA
VOCs	m,p-Xylenes	µg/kg	24	0	NA	NA	NA
VOCs	Methyl Acetate	µg/kg	25	25	12	880	130
VOCs	Methyl Bromide	µg/kg	25	1	55	55	55
VOCs	Methyl tert-butyl ether	µg/kg	24	0	NA	NA	NA
VOCs	Methylcyclohexane	µg/kg	24	0	NA	NA	NA
VOCs	Methylene Chloride	µg/kg	25	1	25	25	25
VOCs	o-Xylene	µg/kg	24	0	NA	NA	NA
VOCs	Styrene	µg/kg	24	0	NA	NA	NA
VOCs	Tetrachloroethene	µg/kg	24	0	NA	NA	NA
VOCs	Toluene	µg/kg	25	3	1.3	25	9.9
VOCs	trans-1,2-Dichloroethene	µg/kg	24	0	NA	NA	NA
VOCs	trans-1,3-Dichloropropene	µg/kg	24	0	NA	NA	NA
VOCs	Trichloroethene	µg/kg	24	0	NA	NA	NA

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
VOCs	Vinyl Chloride	µg/kg	24	0	NA	NA	NA
VOCs	Xylenes (total)	µg/kg	24	0	NA	NA	NA
Pesticides	4,4'-DDD	µg/kg	25	0	NA	NA	NA
Pesticides	4,4'-DDE	µg/kg	25	2	31	46	39
Pesticides	4,4'-DDT	µg/kg	25	1	22	22	22
Pesticides	Aldrin	µg/kg	25	0	NA	NA	NA
Pesticides	apha-BHC	µg/kg	25	0	NA	NA	NA
Pesticides	alpha-Chlordane	µg/kg	25	0	NA	NA	NA
Pesticides	beta-BHC	µg/kg	25	0	NA	NA	NA
Pesticides	delta-BHC	µg/kg	25	0	NA	NA	NA
Pesticides	Dieldrin	µg/kg	25	0	NA	NA	NA
Pesticides	Endosulfan I	µg/kg	25	0	NA	NA	NA
Pesticides	Endosulfan II	µg/kg	25	0	NA	NA	NA
Pesticides	Endosulfan sulfate	µg/kg	25	0	NA	NA	NA
Pesticides	Endrin	µg/kg	25	0	NA	NA	NA
Pesticides	Endrin Aldehyde	µg/kg	25	0	NA	NA	NA
Pesticides	Endrin Ketone	µg/kg	25	0	NA	NA	NA
Pesticides	Ethyl Parathion	µg/kg	25	0	NA	NA	NA
Pesticides	gamma-BHC (Lindane)	µg/kg	25	0	NA	NA	NA
Pesticides	gamma-Chlordane	µg/kg	25	0	NA	NA	NA
Pesticides	Heptachlor	µg/kg	25	0	NA	NA	NA
Pesticides	Heptachlor Epoxide	µg/kg	25	0	NA	NA	NA
Pesticides	Methoxychlor	µg/kg	25	0	NA	NA	NA
Pesticides	Methyl Parathion	µg/kg	25	0	NA	NA	NA
Pesticides	o,o,o-Triethylphosphorothioate	µg/kg	25	0	NA	NA	NA

Table 4-2. Summary of OU-4 Nonresidential Soil Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter Group	Parameter	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Pesticides	Sulfotep	µg/kg	25	0	NA	NA	NA
Pesticides	Toxaphene	µg/kg	25	0	NA	NA	NA
Grain Size	Clay	%	1,810	1,810	0	85	24
Grain Size	Silt	%	1,810	1,810	0.10	81	45
Grain Size	Fine Sand	%	1,810	1,810	1.8	84	22
Grain Size	Medium Sand	%	1,810	1,810	0	50	5.1
Grain Size	Coarse Sand	%	1,810	1,810	0	32	1.3
Grain Size	Gravel	%	1,810	1,810	0	77	2.8
Grain Size	Sand	%	127	127	2.9	78	22
Other	Percent Moisture	%	255	255	4.9	37	18
Other	Solids, Percent	%	2,116	2,116	33	98	83
Other	TOC by Lloyd Kahn	mg/kg	2,141	2,133	680	94,000	13,000

1. Statistics were conducted on detected results only.
2. Values were reported to two significant figures.

If both were detect or both were nondetect, parent/duplicate pairs were averaged to represent the sample. If parent/duplicate pair had a detect and a nondetect, then the detected value was used to represent the sample.

TEQ was calculated using USEPA Toxic Releases Inventory Dioxin and Dioxin-Like Compounds Toxic Equivalency Information Rule - Final Rule (USEPA 2007b). Nondetects were given a value of zero.

%: percent
DL: detection limit/quantitation limit
HpCDD: heptachlorodibenzo-p-dioxin
HxCDD: hexachlorodibenzo-p-dioxin
mg/kg: milligram(s) per kilogram
n: count
NA: not applicable
ND: nondetect
OU: operable unit
PAH: polycyclic aromatic hydrocarbon
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran
PeCDD: pentachlorodibenzo-p-dioxin
pg/g: picogram(s) per gram
SVOC: semivolatile organic compound
TCDD: tetrachlorodibenzo-p-dioxin
TCDF: tetrachlorodibenzofuran
TEQ: toxic equivalent
TOC: total organic carbon
USEPA: United States Environmental Protection Agency
VOC: volatile organic compound
WHO: World Health Organization
µg/kg: microgram(s) per kilogram

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
1	21 09 32 1 001 003.000	662075.3	1127362.8	Trailer Home	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
2	21 09 32 1 001 003.000	661939.5	1127238.8	Trailer Home	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
3	21 09 32 1 001 007.000	661354.4	1126566.4	House	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
4	21 09 32 1 001 007.000	661304.2	1126512.4	Shed	No	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
5	21 09 32 1 001 012.000	661025.3	1126391.2	Barn	No	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
6	21 09 32 1 001 050.000	660249.6	1126311.0	Commercial Business	No	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
7	21 09 32 1 001 050.000	660164.6	1126308.3	House	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
8	21 09 29 4 001 002.000	660151.2	1129415.4	Barn	No	C2N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
9	21 09 32 1 001 050.002	660126.6	1126421.3	Commercial Business	No	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
10	21 09 32 1 001 051.000	660112.7	1126139.3	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
11	21 09 32 2 001 040.000	659874.8	1125884.3	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	Further Evaluation*
12	21 09 32 2 001 032.000	659874.8	1126049.4	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Area 35 Residential Parcel
13	21 09 32 2 001 032.000	659771.4	1126041.1	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
14	21 09 32 2 001 039.000	659610.3	1125790.7	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
15	21 09 32 2 001 031.000	659496.0	1126260.7	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
16	21 09 32 2 001 031.000	659491.6	1126082.1	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
17	21 09 32 2 001 038.000	659473.2	1125779.6	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
18	21 09 32 2 001 047.000	659382.7	1125456.5	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
19	21 09 32 2 001 031.000	659363.0	1126272.6	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
20	21 09 32 2 001 037.000	659344.3	1125774.1	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
21	21 09 32 2 001 043.000	659341.0	1125614.7	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
22	21 09 32 2 001 034.000	659321.3	1126046.6	Apartments	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
23	21 09 32 2 001 034.000	659304.7	1126170.8	Apartments	Yes	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Area 35 Residential Parcel
24	21 09 32 2 001 046.000	659243.2	1125390.3	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
25	21 09 32 2 001 036.000	659242.2	1125773.2	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
26	21 09 32 2 001 044.000	659234.6	1125611.8	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
27	21 09 32 2 001 034.000	659218.1	1126058.4	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
28	21 09 32 2 001 046.000	659217.2	1125459.5	Shed	No	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Nonresidential
29	21 09 32 3 001 013.000	659195.8	1125212.0	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
30	21 09 32 2 001 034.000	659175.0	1126154.3	Apartments	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
31	21 09 32 2 001 031.000	659168.0	1126339.1	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
32	21 09 32 3 001 024.000	659125.3	1125325.6	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	No Further Action - Area 35 Residential Parcel
33	21 09 32 2 001 034.000	659109.6	1126053.9	Apartments	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
34	21 09 32 3 001 014.000	659075.9	1125175.2	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
35	21 09 32 3 001 014.000	659064.9	1125138.7	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
36	21 09 32 2 001 023.000	659050.7	1125818.3	Apartments	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
37	21 09 32 3 001 015.000	659008.5	1125062.6	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
38	21 09 32 3 001 023.000	658998.7	1125255.1	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
39	21 09 32 3 001 015.000	658945.5	1125073.9	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
40	21 09 32 3 001 016.000	658893.6	1124948.7	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
41	21 09 32 3 001 022.000	658865.0	1125180.4	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
42	21 09 32 3 001 016.000	658854.9	1124922.4	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
43	21 09 32 3 001 016.000	658797.4	1124983.3	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
44	21 09 32 2 001 019.000	658758.6	1125544.2	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
45	21 09 32 3 001 021.000	658725.5	1125115.6	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
46	21 09 32 3 001 017.000	658678.8	1124838.1	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
47	21 09 32 2 001 004.000	658675.8	1127185.8	Pump Station	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
48	21 09 32 3 001 017.000	658673.7	1124921.5	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
49	21 09 32 2 001 018.000	658662.2	1125436.4	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
50	21 09 32 3 001 018.000	658607.9	1124860.7	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
51	21 09 32 3 001 020.000	658603.2	1125052.4	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
52	21 09 32 3 001 020.000	658602.9	1125159.7	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
53	21 09 32 3 001 018.000	658542.8	1124848.2	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
54	21 09 32 3 001 020.000	658540.9	1125094.1	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
55	21 09 32 3 001 019.000	658469.5	1124980.5	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Area 35 Residential Parcel
56	21 09 32 3 001 019.000	658405.0	1124974.3	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
57	21 09 29 3 001 008.000	658373.2	1128979.6	WWTP	No	C2N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
58	21 09 32 2 001 006.000	658300.4	1126388.9	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
59	21 09 32 2 001 006.000	658262.9	1126487.7	House	Yes	C3SF	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
60	21 09 29 3 001 008.000	658231.9	1128833.8	WWTP	No	C2N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
61	21 09 32 2 001 006.000	658178.2	1126330.9	House	Yes	C3S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
62	21 09 29 3 001 008.000	658149.9	1129050.7	WWTP	No	C2N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
63	21 09 29 3 001 008.000	658148.1	1129127.3	WWTP	No	C2N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
64	21 09 29 3 001 008.000	658139.9	1128866.6	WWTP	No	C2N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
65	21 09 32 2 001 012.000	658057.6	1125701.5	House	Yes	C3S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
66	21 09 29 3 001 008.000	657853.7	1128746.3	WWTP	No	C2N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
67	21 09 29 3 001 009.000	657712.7	1128106.0	Substation	No	C2N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
68	21 09 32 3 001 027.000	657521.7	1124632.1	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
69	05 03 06 0 000 005.089	654522.7	1122739.9	House	Yes	C3S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
70	05 03 06 0 000 005.088	654385.7	1122752.6	House	Yes	C3S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
71	05 03 06 0 000 005.153	653492.8	1122206.3	Shed	No	C3S	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
72	06 01 02 0 000 009.000	645529.3	1120121.0	Shed	No	C4NF	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
73	06 01 02 0 000 009.000	645504.4	1120117.8	Shed	No	C4NF	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
74	06 01 02 0 000 009.000	643987.8	1119346.4	Shed	No	C4N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
75	06 02 03 0 000 034.000	638992.4	1117692.5	Shed	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
76	06 02 04 0 000 013.000	634646.9	1118365.9	Barn	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
77	06 02 04 0 000 013.000	634597.2	1118598.8	Shed	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
78	06 02 04 0 000 013.000	634580.4	1118292.5	Barn	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
79	06 02 04 0 000 013.000	634554.0	1118457.8	Barn	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
80	06 02 04 0 000 013.000	634523.7	1118398.3	Barn	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
81	06 02 04 0 000 013.000	634509.9	1118328.3	Barn	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
82	06 02 04 0 000 013.000	634388.3	1118437.2	House	Yes	C4SF	Yes	Yes	Yes	Yes	No	No	Further Evaluation*
83	06 02 04 0 000 013.000	634361.3	1118245.1	Shed	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
84	06 02 04 0 000 013.000	634276.9	1118296.5	Shed	No	C4SF	Yes	Yes	Yes	No	No	No	No Further Action - Nonresidential
85	06 02 04 0 000 006.000	631215.4	1120834.2	House	Yes	C4N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
86	06 03 05 0 000 032.002	625897.3	1118256.1	Barn	No	C5NF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
87	06 03 08 0 000 006.002	625143.1	1116436.5	Barn	No	C5N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
88	06 03 07 0 000 009.006	625092.8	1116738.1	House	Yes	C5N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
89	06 03 08 0 000 007.000	625073.5	1113457.7	House	Yes	C5S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
90	06 03 07 0 000 016.001	624190.8	1114106.1	Garage	No	C5N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
91	06 03 07 0 000 016.001	624130.8	1114080.6	House	Yes	C5N	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
92	06 03 07 0 000 010.000	623623.1	1114762.2	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
93	06 03 07 0 000 002.004	623523.3	1116537.8	Barn	No	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
94	06 03 07 0 000 007.001	623415.8	1115832.4	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
95	06 03 07 0 000 007.001	623414.9	1115883.3	Garage	No	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
96	06 03 07 0 000 007.001	623331.7	1115886.1	Shed	No	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
97	06 03 07 0 000 007.000	623328.0	1114649.2	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
98	06 03 07 0 000 007.001	623315.8	1115658.0	Barn	No	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
99	06 03 07 0 000 007.002	622729.1	1114831.5	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
100	06 03 07 0 000 UNK.000	621450.6	1117290.7	Shed	No	C5N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
101	06 03 07 0 000 006.000	621441.0	1114994.7	House	Yes	C5S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
102	06 03 06 0 000 039.000	621422.0	1117329.2	House	Yes	C5N	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
103	06 03 06 0 000 039.000	621382.0	1117380.0	Shed	No	C5N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
104	06 03 07 0 000 UNK.000	621294.1	1117305.6	Shed	No	C5N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
105	06 03 06 0 000 040.000	621248.5	1117319.4	Barn	No	C5N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
106	06 03 06 0 000 041.000	621218.4	1117604.0	House	Yes	C5N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
107	06 03 06 0 000 041.000	621126.7	1117553.2	Garage	No	C5N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
108	06 03 06 0 000 041.000	621083.2	1117662.5	Shed	No	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
109	06 03 06 0 000 041.000	621076.9	1117507.6	Shed	No	C5N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
110	06 03 06 0 000 041.001	620978.8	1117981.6	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
111	07 01 12 0 000 001.001	619716.6	1116391.7	House	Yes	C5N	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
112	07 01 12 0 000 001.001	619490.7	1116329.3	Barn	No	C5N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
113	07 01 12 0 000 013.001	614537.6	1115973.1	House	Yes	C5NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
114	07 01 11 0 000 046.006	612722.3	1112144.5	House	Yes	C6N	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
115	07 06 14 0 000 007.000	611690.3	1110459.1	House	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
116	07 06 14 0 000 007.000	611554.2	1110563.4	House	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
117	07 06 14 0 000 004.004	611353.6	1110633.7	Trailer Home	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
118	07 06 14 0 000 004.004	611281.1	1110562.4	House	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
119	07 06 14 0 000 004.004	611211.5	1110699.5	Barn	No	C6S	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
120	07 06 14 0 000 004.004	611174.7	1110681.5	Barn	No	C6S	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
121	07 06 14 0 000 004.004	611144.8	1110730.2	Barn	No	C6S	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
122	07 06 14 0 000 004.000	610872.4	1110674.3	House	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
123	07 06 14 0 000 004.007	610830.5	1110627.1	Barn	No	C6S	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
124	07 06 14 0 000 004.007	610734.2	1110558.2	House	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
125	07 06 14 0 000 004.007	610679.0	1110688.6	Shed	No	C6S	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
126	07 05 15 0 000 001.000	605045.0	1109837.0	Barn	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
127	07 05 15 0 000 001.000	604971.6	1109816.6	Shed	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
128	07 05 15 0 000 001.000	604921.8	1109856.6	Trailer Home	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	Further Evaluation*
129	07 05 15 0 000 001.000	604867.2	1109984.2	Trailer Home	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	Further Evaluation*
130	07 02 10 0 000 002.000	604828.5	1115145.4	Barn	No	C7NF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
131	07 05 15 0 000 004.004	604773.3	1109903.3	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	Further Evaluation*
132	07 02 10 0 000 002.000	604711.8	1115090.9	Barn	No	C7NF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
133	07 02 10 0 000 002.000	604696.3	1115134.0	Shed	No	C7NF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
134	07 02 10 0 000 002.000	604626.2	1115081.1	Shed	No	C7NF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
135	07 02 10 0 000 002.000	604621.6	1114983.8	House	Yes	C7NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1000 ft from Creek

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
136	07 02 10 0 000 002.000	604597.9	1115017.8	Shed	No	C7NF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
137	07 05 15 0 000 004.004	604537.5	1110016.3	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	Further Evaluation*
138	07 05 15 0 000 004.004	604475.6	1110187.4	Shed	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
139	07 05 15 0 000 004.002	604462.7	1110336.3	Shed	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
140	07 05 15 0 000 004.002	604458.6	1110241.5	Trailer Home	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
141	07 02 10 0 000 002.000	604410.7	1114869.5	Trailer Home	Yes	C7NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
142	07 05 15 0 000 004.002	604355.6	1110290.8	Shed	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
143	07 05 15 0 000 004.010	604282.8	1110645.3	House	Yes	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
144	07 05 15 0 000 004.010	604280.9	1110638.6	House	Yes	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
145	07 05 15 0 000 004.003	604158.4	1110289.9	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
146	07 02 10 0 000 002.001	604100.4	1114905.2	Barn	No	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
147	07 02 10 0 000 002.001	603995.2	1114823.1	House	Yes	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
148	07 05 15 0 000 004.003	603993.7	1110345.9	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	Further Evaluation*
149	07 02 10 0 000 002.001	603860.6	1114775.1	Trailer Home	Yes	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
150	07 02 10 0 000 005.001	603788.4	1113331.4	House	Yes	C7NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
151	07 02 09 0 000 001.000	603720.9	1114732.0	House	Yes	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
152	07 05 16 0 000 004.008	603652.7	1110072.0	Trailer Home	Yes	C7S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
153	07 05 15 0 000 004.000	603636.8	1108248.2	Barn	No	C7SF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
154	07 02 09 0 000 001.000	603628.4	1114823.0	Trailer Home	Yes	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
155	07 02 10 0 000 005.000	603606.5	1112263.2	Barn	No	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
156	07 05 15 0 000 004.000	603565.4	1108238.4	Shed	No	C7SF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
157	07 05 16 0 000 004.008	603481.9	1110226.9	Trailer Home	Yes	C7S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
158	07 05 15 0 000 004.000	603481.6	1108117.1	Shed	No	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
159	07 05 15 0 000 004.000	603479.8	1108168.8	Barn	No	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
160	07 05 16 0 000 002.004	603461.1	1110673.4	Shed	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
161	07 05 16 0 000 002.004	603420.5	1110762.6	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	Further Evaluation*
162	07 05 15 0 000 004.000	603413.9	1108185.8	Shed	No	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
163	07 05 15 0 000 004.000	603384.4	1108127.8	Shed	No	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
164	07 05 15 0 000 004.000	603368.8	1108249.6	House	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
165	07 05 16 0 000 007.000	603342.2	1110147.2	Trailer Home	Yes	C7S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
166	07 05 16 0 000 007.000	603314.9	1110177.7	Garage	No	C7S	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
167	07 05 16 0 000 008.000	603265.1	1109831.3	House	Yes	C7SF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
168	07 05 16 0 000 007.000	603251.8	1110207.2	Trailer Home	Yes	C7S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
169	07 05 16 0 000 002.001	603183.8	1111035.4	Barn	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
170	07 05 16 0 000 002.001	603171.2	1110916.6	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
171	07 05 16 0 000 007.000	603136.6	1110093.0	Barn	No	C7SF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
172	07 05 16 0 000 010.000	602943.1	1107764.9	Trailer Home	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
173	07 05 16 0 000 010.000	602886.9	1107772.9	Shed	No	C7SF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
174	07 05 16 0 000 UNK.000	602529.9	1111751.6	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
175	07 05 16 0 000 002.000	602439.8	1111968.6	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
176	07 05 16 0 000 002.000	602389.4	1112015.1	Shed	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
177	07 05 16 0 000 002.000	602377.0	1112043.5	Shed	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
178	07 05 16 0 000 002.000	602360.2	1112055.9	Shed	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
179	07 05 16 0 000 002.000	602342.4	1112079.0	Garage	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
180	07 02 09 0 000 009.003	602308.8	1112185.1	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Elevation Above Flood Impacts

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
181	07 02 09 0 000 009.006	602237.7	1112302.2	Trailer Home	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Elevation Above Flood Impacts
182	07 02 09 0 000 009.003	602225.3	1112258.3	Shed	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
183	07 02 09 0 000 009.005	602057.3	1112558.1	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Elevation Above Flood Impacts
184	07 02 09 0 000 007.001	601944.4	1113875.3	Shed	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
185	07 02 09 0 000 009.008	601939.0	1112727.4	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Elevation Above Flood Impacts
186	07 02 09 0 000 009.008	601896.3	1112790.2	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Elevation Above Flood Impacts
187	07 02 09 0 000 007.001	601874.2	1113849.2	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
188	07 02 09 0 000 009.007	601829.9	1112865.6	House	Yes	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Elevation Above Flood Impacts
189	07 02 09 0 000 009.002	601815.3	1113173.6	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
190	07 02 09 0 000 009.008	601811.6	1112803.6	Garage	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
191	07 02 09 0 000 009.002	601731.1	1113076.4	Shed	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
192	07 02 09 0 000 005.001	601091.3	1114783.5	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
193	07 02 09 0 000 011.000	600916.5	1112855.4	House	Yes	C7S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
194	07 02 09 0 000 001.000	600741.3	1116163.2	House	Yes	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
195	07 02 09 0 000 001.000	600693.8	1116122.5	Garage	No	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
196	07 02 09 0 000 006.000	600500.3	1114545.7	Church	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
197	07 02 09 0 000 001.000	600334.4	1116024.9	Barn	No	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
198	07 02 09 0 000 001.000	600271.3	1115266.1	Barn	No	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
199	07 05 16 0 000 011.000	599904.3	1108499.2	House	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
200	07 05 16 0 000 011.000	599836.3	1108410.8	Trailer Home	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
201	07 02 09 0 000 012.000	599260.3	1113352.5	Trailer Home	Yes	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
202	07 02 09 0 000 012.000	599240.0	1113443.6	Barn	No	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
203	07 02 09 0 000 012.000	599151.9	1113393.8	House	Yes	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
204	07 02 09 0 000 012.000	599133.2	1113327.9	Barn	No	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
205	07 02 09 0 000 012.000	598907.5	1113444.5	House	Yes	C7NF	Yes	No	Yes	No	No	Yes	Further Evaluation*
206	07 05 16 0 000 005.000	598529.6	1112134.0	Barn	No	C7NF	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
207	07 05 16 0 000 005.000	598453.3	1112007.1	Barn	No	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
208	07 03 08 0 000 019.000	598357.0	1113402.5	House	Yes	C7NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
209	07 04 17 0 000 012.000	596024.8	1110589.7	Shed	No	C7S	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
210	07 04 17 0 000 003.000	594979.5	1110544.1	Barn	No	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
211	07 04 17 0 000 003.000	594966.5	1110506.4	Shed	No	C7N	Yes	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
212	07 04 17 0 000 010.000	593083.9	1109618.1	House	Yes	C7NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
213	07 04 20 0 000 009.004	593018.2	1105110.5	Trailer Home	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
214	07 04 20 0 000 009.004	592884.9	1105219.8	House	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
215	07 04 20 0 000 008.000	592859.2	1106423.9	House	Yes	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
216	07 04 20 0 000 008.000	592819.7	1106511.8	Trailer Home	Yes	C7SF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
217	07 04 19 0 000 001.000	592489.3	1105755.8	Barn	No	C7SF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
218	07 04 19 0 000 004.001	591884.8	1104924.2	Barn	No	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
219	07 04 19 0 000 004.001	591688.7	1105172.3	Shed	No	C7SF	Yes	No	Yes	No	No	No	No Further Action - Nonresidential
220	08 06 14 0 000 001.000	581971.9	1110854.6	House	Yes	C8N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
221	08 05 15 0 000 004.000	576710.0	1108434.0	Shed	No	C9S	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
222	08 05 15 0 000 004.000	576542.9	1108585.4	Substation	No	C9S	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
223	08 02 09 0 000 003.000	568303.9	1113342.7	Barn	No	C9N	Yes	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
224	08 02 09 0 000 003.000	568179.2	1113328.4	Trailer Home	Yes	C9N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
225	08 02 09 0 000 010.000	566927.8	1113278.6	House	Yes	C9S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
226	21 09 31 1 001 018.000	655756.4	1125753.9	Barn	No	C3NF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
227	21 09 32 1 001 003.000	661896.6	1126774.9	Trailer Home	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
228	21 09 32 1 001 003.000	661867.5	1126812.3	Trailer Home	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
229	21 09 32 1 001 016.000	661780.0	1126485.2	House	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
230	21 09 32 1 001 015.000	661624.2	1126419.2	House	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
231	21 09 32 1 001 014.000	661513.4	1126371.7	House	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
232	21 09 32 1 001 014.000	661507.5	1126420.4	Shed	No	C2S	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
233	21 09 32 1 001 013.000	661403.5	1126354.7	Shed	No	C2S	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
234	21 09 32 1 001 013.000	661362.9	1126345.3	House	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
235	21 09 32 1 001 012.000	661191.4	1126287.2	House	Yes	C2S	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
236	21 09 32 1 001 050.001	660228.5	1126070.8	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
237	21 09 32 1 001 050.001	660202.7	1126075.2	Shed	No	C3SF	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
238	21 09 32 2 001 041.000	659875.8	1125585.2	House	Yes	C3SF	No	Yes	No	No	No	No	No Further Action - Not in or near CA
239	21 09 32 2 001 042.000	659682.4	1125574.7	Shed	No	C3SF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
240	21 09 32 2 001 048.000	659658.8	1125483.5	Shed	No	C3SF	No	Yes	No	No	No	No	No Further Action - Nonresidential
241	21 09 32 2 001 042.000	659653.3	1125537.4	Shed	No	C3SF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
242	21 09 32 2 001 042.000	659614.3	1125566.5	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	Further Evaluation*
243	21 09 32 2 001 048.000	659606.6	1125440.7	House	Yes	C3SF	No	Yes	No	No	No	No	No Further Action - Not in or near CA
244	21 09 32 3 001 012.000	659306.1	1125261.0	House	Yes	C3SF	Yes	Yes	Yes	No	No	No	Further Evaluation*
245	21 09 32 3 001 013.000	659185.2	1125123.7	Shed	No	C3SF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
246	21 09 32 3 001 030.001	659177.5	1124994.6	Barn	No	C3SF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
247	21 09 32 3 001 014.000	659145.1	1125095.7	Shed	No	C3SF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
248	21 09 32 3 001 033.000	659071.5	1124812.2	Shed	No	C3SF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
249	21 09 32 3 001 034.000	659018.2	1124686.9	Shed	No	C3SF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
250	21 09 32 3 001 035.000	658844.6	1124666.6	Garage	No	C3SF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
251	21 09 29 3 001 008.000	657977.6	1129300.4	WWTP	No	C2N	Yes	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
252	21 09 31 1 001 001.000	656471.9	1127398.2	Commercial Business	No	C3N	No	Yes	Yes	No	No	Yes	No Further Action - Nonresidential
253	21 09 31 1 001 018.000	655695.1	1125834.6	Barn	No	C3NF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
254	05 03 06 0 000 005.091	654577.7	1122520.5	House	Yes	C3S	No	Yes	No	Yes	No	Yes	No Further Action - Not in or near CA
255	05 03 06 0 000 005.139	654355.4	1122493.6	House	Yes	C3S	No	Yes	No	Yes	No	Yes	No Further Action - Not in or near CA
256	05 03 06 0 000 005.000	654328.5	1122601.3	House	Yes	C3S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
257	21 09 31 3 001 002.000	653234.5	1125099.4	Barn	No	C3NF	No	Yes	No	No	No	No	No Further Action - Nonresidential
258	22 07 36 0 006 064.002	650173.2	1123041.2	Commercial Business	No	C3N	No	Yes	No	No	No	Yes	No Further Action - Nonresidential
259	06 01 02 0 000 009.000	646361.9	1121875.7	Shed	No	C4NF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
260	06 01 11 0 000 003.011	643717.6	1117414.0	House	Yes	C4SF	Yes	Yes	Yes	Yes	No	No	Further Evaluation*
261	06 01 02 0 000 003.000	642713.5	1122649.6	Shed	No	C4NF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
262	06 02 03 0 000 029.000	641115.7	1118888.2	GreenHouse	No	C4N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
263	06 02 03 0 000 033.001	637104.2	1118480.8	Shed	No	C4S	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
264	06 02 03 0 000 033.001	636961.3	1118527.1	House	Yes	C4S	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
265	06 02 03 0 000 033.001	636938.1	1118587.1	Shed	No	C4S	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
266	06 02 04 0 000 013.000	635137.0	1118209.4	Barn	No	C4SF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
267	06 02 04 0 000 013.000	635052.0	1118284.3	Shed	No	C4SF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
268	06 02 04 0 000 013.000	634924.1	1118211.1	Barn	No	C4SF	No	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
269	06 02 04 0 000 008.001	634315.0	1118070.2	Shed	No	C4SF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
270	06 02 04 0 000 008.001	634255.4	1118055.5	House	Yes	C4SF	Yes	Yes	Yes	No	No	No	Further Evaluation*

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
271	06 02 04 0 000 010.000	634001.4	1121743.3	WWTP	No	C4N	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
272	06 02 04 0 000 010.000	633514.6	1121722.2	WWTP	No	C4NF	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
273	06 02 04 0 000 010.000	633414.4	1121812.4	WWTP	No	C4NF	No	Yes	Yes	No	No	Yes	No Further Action - Nonresidential
274	06 02 04 0 000 010.000	632699.7	1121961.3	WWTP	No	C4NF	Yes	Yes	Yes	Yes	No	No	No Further Action - Nonresidential
275	06 02 04 0 000 002.001	632593.4	1122510.4	Shed	No	C4NF	No	Yes	No	No	No	No	No Further Action - Nonresidential
276	06 02 04 0 000 004.006	632077.6	1122452.6	House	Yes	C4NF	No	Yes	No	Yes	No	No	No Further Action - Not in or near CA
277	06 02 04 0 000 004.006	631718.2	1122474.4	House	Yes	C4NF	No	Yes	No	No	No	No	No Further Action - Not in or near CA
278	06 02 04 0 000 004.006	631681.8	1122518.5	Garage	No	C4NF	No	Yes	No	No	No	No	No Further Action - Nonresidential
279	06 02 04 0 000 004.000	631574.4	1122492.7	House	Yes	C4NF	Yes	Yes	Yes	No	No	No	Further Evaluation*
280	06 02 04 0 000 004.005	631485.7	1122471.3	Shed	No	C4NF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
281	06 02 04 0 000 004.005	631437.6	1122491.3	Trailer Home	Yes	C4NF	Yes	Yes	Yes	No	No	No	Further Evaluation*
282	06 02 04 0 000 004.001	631279.5	1122445.9	Shed	No	C4NF	No	Yes	Yes	No	No	No	No Further Action - Nonresidential
283	06 03 05 0 000 041.001	630309.3	1117785.1	Shed	No	C5SF	No	No	Yes	Yes	No	No	No Further Action - Nonresidential
284	06 03 05 0 000 038.001	629229.7	1119384.8	House	Yes	C5N	No	Yes	No	Yes	No	Yes	No Further Action - Not in or near CA
285	06 03 05 0 000 038.000	628857.2	1118680.3	Shed	No	C5N	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
286	06 03 05 0 000 038.000	628816.9	1118558.7	Barn	No	C5N	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
287	06 03 05 0 000 038.000	628782.4	1118733.1	House	Yes	C5N	Yes	Yes	Yes	No	No	Yes	Further Evaluation*
288	06 03 05 0 000 038.000	628761.3	1118585.8	Barn	No	C5N	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
289	06 03 05 0 000 032.002	625843.4	1118446.2	House	Yes	C5NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
290	06 03 07 0 000 009.003	625046.7	1116005.2	House	Yes	C5N	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
291	06 03 07 0 000 009.006	624950.0	1116880.9	Shed	No	C5N	No	Yes	Yes	No	No	Yes	No Further Action - Nonresidential
292	06 03 07 0 000 009.006	624878.0	1116803.3	Shed	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
293	06 03 07 0 000 008.000	623879.1	1115164.5	House	Yes	C5NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
294	06 03 07 0 000 008.000	623774.9	1115030.8	Shed	No	C5NF	No	No	Yes	Yes	No	No	No Further Action - Nonresidential
295	06 03 07 0 000 010.000	623725.1	1114676.5	Barn	No	C5NF	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
296	06 03 07 0 000 011.000	623685.2	1114319.2	Shed	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
297	06 03 07 0 000 011.000	623649.0	1114442.3	Trailer Home	Yes	C5N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
298	06 03 07 0 000 011.000	623639.7	1114380.7	Barn	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
299	06 03 07 0 000 011.000	623625.4	1114349.5	Shed	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
300	06 03 07 0 000 001.000	623622.1	1116810.3	Barn	No	C5NF	No	No	Yes	Yes	No	No	No Further Action - Nonresidential
301	06 03 07 0 000 010.000	623610.2	1114672.2	Shed	No	C5NF	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
302	06 03 07 0 000 011.000	623543.0	1114390.3	House	Yes	C5N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
303	06 03 07 0 000 015.000	623457.7	1113217.9	House	Yes	C5S	No	Yes	No	Yes	No	Yes	No Further Action - Not in or near CA
304	06 03 07 0 000 016.000	623243.8	1114346.4	House	Yes	C5N	Yes	Yes	Yes	No	No	Yes	Further Evaluation*
305	06 03 07 0 000 013.008	623144.9	1113242.3	Trailer Home	Yes	C5S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
306	06 03 07 0 000 016.000	623141.9	1114337.0	Barn	No	C5N	No	Yes	Yes	No	No	Yes	No Further Action - Nonresidential
307	06 03 07 0 000 016.000	623004.5	1114338.0	Barn	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
308	06 03 07 0 000 002.003	622131.3	1117462.4	Shed	No	C5N	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
309	06 03 06 0 000 002.003	622071.7	1117485.1	House	Yes	C5N	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
310	06 03 06 0 000 038.003	621808.6	1117394.7	Shed	No	C5N	No	Yes	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
311	06 03 06 0 000 038.003	621750.6	1117392.9	House	Yes	C5N	Yes	Yes	Yes	Yes	Yes	Yes	Further Evaluation*
312	06 03 06 0 000 038.002	621695.6	1118316.2	Shed	No	C5NF	No	No	Yes	No	No	No	No Further Action - Nonresidential
313	06 03 07 0 000 006.000	621651.1	1114554.6	House	Yes	C5S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
314	06 03 06 0 000 038.005	621594.3	1117323.3	House	Yes	C5N	No	Yes	No	Yes	Yes	Yes	No Further Action - Not in or near CA
315	06 03 06 0 000 028.000	621471.9	1118859.8	House	Yes	C5NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
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Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
316	06 03 06 0 000 041.001	621435.1	1117601.2	House	Yes	C5N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
317	06 03 06 0 000 041.001	621433.8	1117513.8	Barn	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
318	06 03 06 0 000 042.000	620764.3	1117422.1	Shed	No	C5N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
319	06 03 06 0 000 042.000	620723.5	1117447.7	Shed	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
320	06 03 06 0 000 042.000	620723.0	1117432.0	Shed	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
321	06 03 06 0 000 042.000	620720.0	1117488.9	House	Yes	C5N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
322	06 03 06 0 000 042.000	620712.6	1117423.8	Shed	No	C5N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
323	06 03 06 0 000 042.000	620685.7	1117395.2	Barn	No	C5N	Yes	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
324	06 03 06 0 000 042.000	620671.5	1117531.4	Garage	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
325	06 03 06 0 000 042.000	620632.7	1117380.0	Trailer Home	Yes	C5N	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
326	06 03 06 0 000 042.000	620580.7	1117513.6	Shed	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
327	06 03 07 0 000 005.001	619910.7	1117185.2	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
328	06 03 07 0 000 005.002	619882.4	1116522.7	Shed	No	C5N	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
329	07 01 12 0 000 001.000	619486.2	1116790.3	Shed	No	C5NF	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
330	07 01 12 0 000 001.000	619431.7	1116934.5	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
331	07 01 12 0 000 001.000	619377.0	1116680.8	House	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
332	07 01 12 0 000 014.001	618028.7	1116009.6	Trailer Home	Yes	C5NF	No	No	No	Yes	No	No	No Further Action - Not in or near CA
333	07 01 12 0 000 014.001	617963.8	1116069.1	Trailer Home	Yes	C5NF	No	No	No	Yes	No	No	No Further Action - Not in or near CA
334	07 01 12 0 000 014.000	617299.2	1115378.5	Shed	No	C5NF	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
335	07 01 12 0 000 014.000	617194.2	1115405.6	Trailer Home	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
336	07 01 12 0 000 014.000	617131.0	1115315.9	Trailer Home	Yes	C5NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
337	07 01 12 0 000 009.000	616932.7	1115936.0	Trailer Home	Yes	C5NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
338	07 01 12 0 000 009.000	616216.5	1116045.5	Barn	No	C5NF	No	No	Yes	No	No	No	No Further Action - Nonresidential
339	07 01 12 0 000 012.000	614498.2	1115765.5	House	Yes	C5NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
340	07 01 11 0 000 023.000	614392.2	1115159.2	House	Yes	C5NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
341	07 01 11 0 000 021.003	614330.6	1115987.7	House	Yes	C5NF	No	No	No	Yes	No	No	No Further Action - Not in or near CA
342	07 01 11 0 000 020.000	614279.8	1116087.3	House	Yes	C5NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
343	07 01 11 0 000 024.000	614223.9	1115195.4	House	Yes	C5NF	No	No	No	No	No	No	No Further Action - Not in or near CA
344	07 06 14 0 000 008.000	611857.0	1110126.7	House	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
345	07 06 14 0 000 007.001	611735.1	1110134.5	Barn	No	C6S	No	Yes	Yes	Yes	No	Yes	No Further Action - Nonresidential
346	07 06 14 0 000 007.001	611673.6	1110264.9	House	Yes	C6S	Yes	Yes	Yes	Yes	No	Yes	Further Evaluation*
347	07 06 14 0 000 003.000	609738.3	1110454.1	Barn	No	C6S	No	Yes	Yes	No	No	Yes	No Further Action - Nonresidential
348	07 02 10 0 000 004.000	605046.1	1115089.2	House	Yes	C7NF	No	No	No	No	No	No	No Further Action - Not in or near CA
349	07 05 15 0 000 004.004	604738.8	1110355.1	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
350	07 05 15 0 000 004.004	604577.8	1110456.8	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
351	07 02 10 0 000 002.000	604565.3	1114629.5	House	Yes	C7NF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
352	07 05 15 0 000 004.004	604503.9	1110447.5	Shed	No	C7N	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
353	07 05 15 0 000 004.002	604458.0	1110433.3	Shed	No	C7N	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
354	07 05 15 0 000 004.002	604352.7	1110592.8	House	Yes	C7N	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
355	07 02 10 0 000 005.001	603976.7	1113642.4	Barn	No	C7NF	No	No	Yes	No	No	No	No Further Action - Nonresidential
356	07 02 10 0 000 002.001	603854.0	1114831.0	Shed	No	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - Nonresidential
357	07 02 10 0 000 002.001	603751.1	1114857.6	Barn	No	C7NF	No	No	Yes	Yes	No	No	No Further Action - Nonresidential
358	07 05 15 0 000 008.000	603648.5	1107263.5	Trailer Home	Yes	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
359	07 05 15 0 000 008.000	603560.0	1107237.5	Barn	No	C7SF	No	No	Yes	Yes	No	No	No Further Action - Nonresidential
360	07 02 09 0 000 008.000	602209.3	1114189.2	House	Yes	C7NF	No	No	No	Yes	No	Yes	No Further Action - Not in or near CA

Table 4-3. Summary of OU-4 Potential Residential Structures Based on Aerial Imagery Review
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Parcel ID	Easting[1]	Northing[1]	Structure Use	Potential Residential Structure	CA	Structure in or near CA	CA EPC ≥ 1 mg/kg	Parcel Intersects CA	Sample(s) Within 500 ft of Structure	Sample ≥ 1 mg/kg Within 500 ft of Structure	Structure Within 1,000 ft of the Creek	Screening Disposition
361	07 02 09 0 000 005.001	601250.1	1115067.5	Barn	No	C7NF	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
362	07 02 09 0 000 005.001	601150.7	1115228.1	House	Yes	C7NF	Yes	No	Yes	No	No	Yes	No Further Action - Geography
363	07 02 09 0 000 001.005	600689.4	1115959.8	House	Yes	C7NF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
364	07 02 09 0 000 012.000	598911.3	1113317.8	House	Yes	C7NF	Yes	No	Yes	Yes	No	Yes	No Further Action - PCB < 1.0 mg/kg
365	07 02 09 0 000 012.000	598851.0	1113256.8	Barn	No	C7NF	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
366	07 03 08 0 000 019.000	598280.8	1113341.8	Shed	No	C7NF	No	No	Yes	No	No	No	No Further Action - Nonresidential
367	07 04 17 0 000 012.000	596337.8	1108334.7	Barn	No	C7SF	No	No	Yes	No	No	No	No Further Action - Nonresidential
368	07 04 17 0 000 003.001	595426.4	1111014.0	Shed	No	C7NF	No	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
369	07 04 17 0 000 010.000	593222.9	1109932.2	Barn	No	C7NF	No	No	Yes	No	No	No	No Further Action - Nonresidential
370	07 04 17 0 000 010.000	593219.5	1109777.7	Barn	No	C7NF	No	No	Yes	No	No	No	No Further Action - Nonresidential
371	07 04 17 0 000 010.000	593134.4	1109708.3	Shed	No	C7NF	No	No	Yes	No	No	No	No Further Action - Nonresidential
372	07 04 20 0 000 009.006	593121.6	1105638.5	House	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
373	07 04 20 0 000 009.004	593069.9	1105104.3	Shed	No	C7SF	No	No	Yes	No	No	No	No Further Action - Nonresidential
374	07 04 19 0 000 001.003	592578.7	1105964.2	House	Yes	C7SF	Yes	No	Yes	Yes	No	No	No Further Action - PCB < 1.0 mg/kg
375	07 04 19 0 000 004.001	592060.2	1104369.6	House	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
376	07 04 19 0 000 004.001	591932.5	1104500.1	Barn	No	C7SF	No	No	Yes	No	No	No	No Further Action - Nonresidential
377	07 04 19 0 000 004.001	591842.2	1104669.1	Barn	No	C7SF	No	No	Yes	No	No	No	No Further Action - Nonresidential
378	07 04 19 0 000 004.004	591740.6	1104761.0	House	Yes	C7SF	Yes	No	Yes	No	No	No	No Further Action - Structure >1,000 ft from Creek
379	08 06 13 0 000 003.000	583764.1	1108948.8	House	Yes	C8N	Yes	Yes	Yes	No	No	Yes	Further Evaluation*
380	08 06 14 0 000 002.004	581770.2	1111362.4	Shed	No	C8N	No	Yes	No	No	No	Yes	No Further Action - Nonresidential
381	08 06 14 0 000 002.004	581718.6	1111390.3	Trailer Home	Yes	C8N	No	Yes	No	No	No	Yes	No Further Action - Not in or near CA
382	08 05 15 0 000 004.000	576412.2	1108252.0	Substation	No	C9S	No	No	Yes	No	No	Yes	No Further Action - Nonresidential
383	08 05 15 0 000 002.000	573575.9	1110422.1	Shed	No	C9S	No	No	Yes	Yes	No	Yes	No Further Action - Nonresidential
384	08 02 09 0 000 003.000	568674.0	1113482.3	Barn	No	C9N	No	No	Yes	No	No	Yes	No Further Action - Nonresidential
385	08 02 09 0 000 003.000	568550.8	1113357.3	House	Yes	C9N	Yes	No	Yes	No	No	Yes	No Further Action - Geography
386	08 02 09 0 000 003.000	568525.3	1113459.1	Barn	No	C9N	No	No	Yes	No	No	Yes	No Further Action - Nonresidential
387	08 02 09 0 000 003.000	567361.0	1113588.3	Shed	No	C9N	No	No	Yes	Yes	Yes	Yes	No Further Action - Nonresidential
388	08 02 09 0 000 003.000	567320.9	1113603.4	House	Yes	C9N	Yes	No	Yes	Yes	Yes	Yes	Further Evaluation*

1. The northing and easting coordinates are based on the approximate center of each structure.
*: Structures for further evaluation are shown on Figures 4-5a through 4-5f.
CA: characterization area
EPC: exposure point concentration
ft: feet
mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
WWTP: wastewater treatment plant
≥: greater than or equal to
>: greater than
<: less than

Table 4-4. Summary of OU-4 Residential Field Evaluation (9/26/2011 through 9/29/2011)
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Reason for Field Evaluation	Parcel ID	Evaluation Date	Current Residential Use	Sampling Conducted
10	Identified by Screening Process	21 09 32 1 001 051.000	9/26/2011	Yes	Yes
11	Identified by Screening Process	21 09 32 2 001 040.000	9/26/2011	Yes	Yes
15	Identified by Screening Process	21 09 32 2 001 031.000	9/26/2011	Yes	Yes
58	Identified by Screening Process	21 09 32 2 001 006.000	9/27/2011	Yes	Yes
59	Identified by Screening Process	21 09 32 2 001 006.000	9/27/2011	No	No
61	Identified by Screening Process	21 09 32 2 001 006.000	9/27/2011	No	No
65	Identified by Screening Process	21 09 32 2 001 012.000	9/27/2011	Yes	Yes
69	Identified by Screening Process	05 03 06 0 000 005.089	9/26/2011	Yes	No - Elevation
70	Identified by Screening Process	05 03 06 0 000 005.088	9/26/2011	Yes	No - Elevation
82	Identified by Screening Process	06 02 04 0 000 013.000	9/28/2011	Yes	Yes
85	Identified by Screening Process	06 02 04 0 000 006.000	9/27/2011	Yes	Yes
87	Identified in Field	06 03 07 0 000 009.006	9/28/2011	Yes	No - Elevation
88	Identified by Screening Process	06 03 07 0 000 009.006	9/28/2011	Yes	No - Elevation
89	Identified by Screening Process	06 03 08 0 000 007.000	9/28/2011	Yes	No - Elevation
91	Identified by Screening Process	06 03 07 0 000 016.002	9/28/2011	Yes	Yes
101	Identified by Screening Process	06 03 07 0 000 006.000	9/27/2011	Yes	Yes
102	Identified by Screening Process	06 03 06 0 000 039.000	9/28/2011	No	No - Elevation
106	Identified by Screening Process	06 03 06 0 000 041.000	9/28/2011	Yes	Yes
111	Identified by Screening Process	07 01 12 0 000 001.001	9/28/2011	Yes	Yes
114	Identified by Screening Process	07 01 11 0 000 046.006	9/27/2011	No	No
115	Identified by Screening Process	07 06 14 0 000 007.000	9/27/2011	Yes	Yes
116	Identified by Screening Process	07 06 14 0 000 007.000	9/27/2011	Yes	Yes
117	Identified by Screening Process	07 06 14 0 000 004.004	9/27/2011	Yes	Yes
118	Identified by Screening Process	07 06 14 0 000 004.004	9/27/2011	Yes	No - Elevation
122	Identified by Screening Process	07 06 14 0 000 004.000	9/27/2011	No	No
124	Identified by Screening Process	07 06 14 0 000 004.007	9/27/2011	Yes	Yes
128	Identified by Screening Process	07 05 15 0 000 004.004	9/27/2011	Yes	No - Elevation
129	Identified by Screening Process	07 05 15 0 000 004.004	9/27/2011	Yes	No - Elevation
131	Identified by Screening Process	07 05 15 0 000 004.004	9/27/2011	Yes	Yes
137	Identified by Screening Process	07 05 15 0 000 004.014	9/27/2011	Yes	Yes
145	Identified in Field	07 05 15 0 000 004.003	9/27/2011	Yes	Yes
148	Identified by Screening Process	07 05 15 0 000 004.011	9/27/2011	Yes	Yes
152	Identified by Screening Process	07 05 15 0 000 004.008	9/27/2011	Yes	Yes

Table 4-4. Summary of OU-4 Residential Field Evaluation (9/26/2011 through 9/29/2011)
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Reason for Field Evaluation	Parcel ID	Evaluation Date	Current Residential Use	Sampling Conducted
157	Identified by Screening Process	07 05 15 0 000 004.008	9/27/2011	Yes	Yes
161	Identified by Screening Process	07 05 16 0 000 002.004	9/27/2011	Yes	No - Elevation
165	Identified by Screening Process	07 05 16 0 000 007.000	9/27/2011	No	No - Elevation
168	Identified by Screening Process	07 05 16 0 000 007.000	9/27/2011	Yes	No - Elevation
193	Identified by Screening Process	07 02 09 0 000 011.000	9/29/2011	Yes	Yes
203	Identified in Field	07 02 09 0 000 012.001	9/27/2011	Yes	Yes
205	Identified by Screening Process	07 02 09 0 000 012.000	9/27/2011	Yes	No - Elevation
220	Identified by Screening Process	08 06 14 0 000 001.000	9/27/2011	No	No
242	Identified by Screening Process	21 09 32 2 001 042.000	9/26/2011	Yes	Yes
244	Identified by Screening Process	21 09 32 3 001 012.000	9/26/2011	Yes	No
256	Identified by Screening Process	05 03 06 0 000 005.000	9/26/2011	Yes	No - Elevation
260	Identified by Screening Process	06 01 11 0 000 003.011	9/28/2011	Yes	Yes
264	Identified by Screening Process	06 02 03 0 000 033.001	9/27/2011	Yes	No - Elevation
270	Identified by Screening Process	06 02 04 0 000 008.001	9/28/2011	Yes	No - Elevation
279	Identified by Screening Process	06 02 04 0 000 004.000	9/26/2011	Yes	No - Elevation
281	Identified by Screening Process	06 02 04 0 000 004.005	9/26/2011	Yes	No - Elevation
287	Identified by Screening Process	06 03 05 0 000 038.000	9/27/2011	Yes	No - Elevation
290	Identified by Screening Process	06 03 07 0 000 009.003	9/27/2011	Yes	No - Elevation
297	Identified by Screening Process	06 03 07 0 000 011.000	9/28/2011	No	No
302	Identified by Screening Process	06 03 07 0 000 011.000	9/28/2011	Yes	Yes
304	Identified by Screening Process	06 03 07 0 000 016.000	9/28/2011	Yes	No - Elevation
305	Identified by Screening Process	06 03 07 0 000 013.008	9/28/2011	Yes	No - Elevation
309	Identified by Screening Process	06 03 07 0 000 002.003	9/28/2011	Yes	No - Elevation
311	Identified by Screening Process	06 03 06 0 000 038.003	9/28/2011	Yes	No - Elevation
313	Identified by Screening Process	06 03 07 0 000 006.000	9/27/2011	Yes	No - Elevation
314	Identified in Field	06 03 06 0 000 038.005	9/28/2011	Yes	Yes
316	Identified by Screening Process	06 03 06 0 000 041.001	9/28/2011	Yes	No - Elevation
321	Identified by Screening Process	06 03 06 0 000 042.000	9/28/2011	Yes	Yes
325	Identified by Screening Process	06 03 06 0 000 042.000	9/28/2011	No	No
344	Identified by Screening Process	07 06 14 0 000 008.000	9/27/2011	Yes	No - Elevation
346	Identified by Screening Process	07 06 14 0 000 007.001	9/27/2011	Yes	No - Elevation
364	Identified in Field	07 02 09 0 000 012.000	9/27/2011	No	No
379	Identified by Screening Process	08 06 13 0 000 003.000	9/27/2011	No	No

Table 4-4. Summary of OU-4 Residential Field Evaluation (9/26/2011 through 9/29/2011)
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Reason for Field Evaluation	Parcel ID	Evaluation Date	Current Residential Use	Sampling Conducted
388	Identified by Screening Process	08 02 09 0 000 003.000	9/27/2011	Yes	No - Elevation
400	Identified in Field	05 03 06 0 000 005.151	9/26/2011	Yes	Yes
401	Identified in Field	05 03 06 0 000 005.150	9/26/2011	Yes	Yes
402	Identified in Field	07 01 12 0 000 001.001	9/28/2011	No	No
403	Identified in Field	06 03 07 0 000 006.000	9/27/2011	Yes	No - Elevation
404	Identified in Field	06 03 07 0 000 005.002	NA	Yes	Yes

ID: identification
NA: not applicable
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-5. OU-4 Residential Use Area Sampling Results
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Subarea	Area (acres)	Easting	Northing	Locator ID	Sample ID	Total PCB[1,2] (mg/kg)	Removal Completed
10	010-01	0.12	660069.4	1126166.1	600010	600010-01	ND	NA
10	010-02	0.25	660200.4	1126145.5	600010	600010-02	ND	NA
10	010-03	0.23	660080.3	1126057.7	600010	600010-03	ND	NA
10	010-04	0.21	660181.6	1126056.6	600010	600010-04	ND	NA
10	010-05	0.20	660278.7	1126054.0	600010	600010-05	ND	NA
11	011-01	0.27	659801.5	1125912.2	600011	600011-01	ND	NA
11	011-02	0.28	659941.7	1125911.7	600011	600011-02	ND	NA
11	011-03	0.25	659805.1	1125819.8	600011	600011-03	ND	NA
11	011-04	0.24	659935.5	1125818.4	600011	600011-04	ND	NA
11	011-05	0.26	659805.3	1125735.2	600011	600011-05	ND	NA
11	011-06	0.24	659936.0	1125736.8	600011	600011-06	ND	NA
15	015-01	0.24	659416.6	1126385.3	600015	600015-01	ND	NA
15	015-02	0.26	659506.8	1126392.8	600015	600015-02	ND	NA
15	015-03	0.24	659598.2	1126408.0	600015	600015-03	ND	NA
15	015-04	0.25	659399.4	1126278.6	600015	600015-04	0.53	NA
15	015-05	0.28	659598.3	1126297.6	600015	600015-05	ND	NA
15	015-06	0.080	659416.1	1126205.7	600015	600015-06	2.0	9/27/2012
15	015-07	0.14	659540.7	1126214.8	600015	600015-07	ND	NA
15	015-08	0.15	659623.9	1126206.8	600015	600015-08	ND	NA
15	015-09	0.25	659543.1	1126136.4	600015	600015-09	ND	NA
58	058-01	0.12	658287.6	1126544.3	600058	600058-01	0.14	NA
58	058-02	0.19	658190.4	1126441.5	600058	600058-02	0.27	NA
58	058-03	0.13	658313.0	1126426.5	600058	600058-03	ND	NA
58	058-04	0.10	658225.1	1126313.4	600058	600058-04	ND	NA
58	058-05	0.16	658345.0	1126247.0	600058	600058-05	ND	NA
58	058-06	0.058	658125.6	1126262.1	600058	600058-06	0.050	NA
58	058-07	0.12	658249.2	1126212.2	600058	600058-07	ND	NA
65	065-01	0.23	658065.8	1126012.2	600065	600065-01	ND	NA
65	065-02	0.24	658026.5	1125935.4	600065	600065-02	ND	NA
65	065-03	0.22	658146.6	1125925.0	600065	600065-03	ND	NA
65	065-04	0.20	657994.5	1125843.5	600065	600065-04	ND	NA
65	065-05	0.22	658093.7	1125845.2	600065	600065-05	ND	NA
65	065-06	0.24	658208.6	1125844.8	600065	600065-06	ND	NA
65	065-07	0.27	657978.0	1125737.1	600065	600065-07	ND	NA
65	065-08	0.093	658106.6	1125737.3	600065	600065-08	ND	NA
65	065-09	0.27	658205.4	1125759.3	600065	600065-09	ND	NA
65	065-10	0.21	657957.4	1125629.0	600065	600065-10	ND	NA
65	065-11	0.17	658092.7	1125615.3	600065	600065-11	ND	NA
65	065-12	0.24	658232.5	1125628.3	600065	600065-12	ND	NA
82	082-01	0.29	634306.2	1118513.2	600082	600082-01	ND	NA
82	082-02	0.29	634469.1	1118493.0	600082	600082-02	ND	NA
82	082-03	0.22	634592.2	1118437.6	600082	600082-03	ND	NA
82	082-04	0.28	634332.2	1118382.9	600082	600082-04	ND	NA
82	082-05	0.13	634329.6	1118424.2	600082	600082-05	ND	NA
82	082-06	0.27	634458.8	1118384.9	600082	600082-06	0.16	NA
82	082-07	0.19	634586.4	1118338.6	600082	600082-07	ND	NA
82	082-08	0.30	634313.7	1118270.3	600082	600082-08	ND	NA
82	082-09	0.20	634412.0	1118238.4	600082	600082-09	ND	NA
82	082-10	0.26	634512.1	1118248.5	600082	600082-10	ND	NA
85	085-01	0.25	631033.3	1120604.0	600085	600085-01	1.6	12/19/2012

Table 4-5. OU-4 Residential Use Area Sampling Results
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Subarea	Area (acres)	Easting	Northing	Locator ID	Sample ID	Total PCB[1,2] (mg/kg)	Removal Completed
85	085-02	0.27	631172.9	1120643.0	600085	600085-02	1.5	12/19/2012
85	085-03	0.25	631301.9	1120760.4	600085	600085-03	0.76	NA
85	085-04	0.25	631426.3	1120875.6	600085	600085-04	1.0	12/19/2012
85	085-05	0.26	631222.3	1120809.4	600085	600085-05	1.6	12/19/2012
85	085-06	0.25	631292.3	1120868.4	600085	600085-06	1.7	12/19/2012
91	091-01	0.21	624132.9	1114227.0	600091	600091-01	ND	NA
91	091-02	0.24	624192.7	1114145.5	600091	600091-02	ND	NA
91	091-03	0.27	624246.6	1114133.8	600091	600091-03	ND	NA
91	091-04	0.14	624295.6	1114136.3	600091	600091-04	0.24	NA
91	091-05	0.16	624119.0	1114127.6	600091	600091-05	ND	NA
91	091-06	0.25	624182.0	1114014.3	600091	600091-06	ND	NA
91	091-07	0.28	624184.4	1113956.7	600091	600091-07	ND	NA
91	091-08	0.18	624154.2	1113908.6	600091	600091-08	ND	NA
101	101-01	0.19	621390.8	1114968.9	600101	600101-01	0.27	NA
101	101-02	0.089	621472.7	1114985.8	600101	600101-02	ND	NA
106	106-01	0.29	621188.2	1117673.9	600106	600106-01	0.089	NA
106	106-02	0.22	621286.8	1117669.0	600106	600106-02	ND	NA
106	106-03	0.29	621077.3	1117619.0	600106	600106-03	0.060	NA
106	106-04	0.23	621165.7	1117547.2	600106	600106-04	ND	NA
106	106-05	0.26	621282.9	1117551.2	600106	600106-05	ND	NA
111	111-01	0.25	619199.5	1116289.4	600111	600111-01	ND	NA
111	111-02	0.24	619267.6	1116288.5	600111	600111-02	ND	NA
111	111-03	0.23	619322.0	1116304.1	600111	600111-03	ND	NA
111	111-04	0.25	619381.2	1116375.9	600111	600111-04	ND	NA
111	111-05	0.25	619455.8	1116415.7	600111	600111-05	ND	NA
111	111-06	0.24	619514.3	1116445.0	600111	600111-06	ND	NA
111	111-07	0.25	619557.2	1116489.8	600111	600111-07	ND	NA
111	111-08	0.24	619593.8	1116548.8	600111	600111-08	ND	NA
111	111-09	0.24	619626.7	1116615.1	600111	600111-09	ND	NA
111	111-10	0.22	619654.8	1116692.2	600111	600111-10	ND	NA
111	111-11	0.25	619683.3	1116799.0	600111	600111-11	ND	NA
111	111-12	0.25	619453.9	1116306.7	600111	600111-12	0.12	NA
111	111-13	0.20	619463.6	1116255.4	600111	600111-13	0.16	NA
111	111-14	0.26	619473.2	1116141.9	600111	600111-14	0.64	NA
111	111-15	0.21	619574.9	1116046.2	600111	600111-15	5.4	11/21/2012
111	111-16	0.24	619697.5	1116429.7	600111	600111-16	ND	NA
111	111-17	0.24	619637.2	1116335.5	600111	600111-17	0.48	NA
111	111-18	0.24	619667.8	1116296.7	600111	600111-18	0.53	NA
111	111-19	0.23	619669.2	1116256.8	600111	600111-19	1.8	11/21/2012
111	111-20	0.22	619680.1	1116223.5	600111	600111-20	1.8	11/21/2012
111	111-21	0.22	619710.2	1116193.2	600111	600111-21	2.0	11/21/2012
111	111-22	0.24	619724.0	1116132.4	600111	600111-22	3.5	11/21/2012
115	115-01	0.15	611648.9	1110493.7	600115	600115-01	0.22	NA
115	115-02	0.22	611728.8	1110457.7	600115	600115-02	3.2	10/24/2012
115	115-03	0.21	611823.9	1110414.2	600115	600115-03	0.33	NA
116	116-01	0.18	611497.3	1110594.0	600116	600116-01	ND	NA
116	116-02	0.16	611584.6	1110534.1	600116	600116-02	0.14	NA
117	117-01	0.23	611213.6	1110756.2	600117	600117-01	1.9	No access
117	117-02	0.20	611314.1	1110708.7	600117	600117-02	1.9	No access
117	117-03	0.22	611260.0	1110655.2	600117	600117-03	ND	NA

Table 4-5. OU-4 Residential Use Area Sampling Results
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Subarea	Area (acres)	Easting	Northing	Locator ID	Sample ID	Total PCB[1,2] (mg/kg)	Removal Completed
124	124-01	0.26	610740.3	1110745.1	600124	600124-01	ND	NA
124	124-02	0.23	610754.8	1110684.1	600124	600124-02	ND	NA
124	124-03	0.25	610746.5	1110624.6	600124	600124-03	ND	NA
124	124-04	0.25	610753.3	1110560.5	600124	600124-04	ND	NA
124	124-05	0.24	610748.3	1110498.1	600124	600124-05	ND	NA
124	124-06	0.30	610750.3	1110436.1	600124	600124-06	ND	NA
131	131-01	0.21	604773.7	1110156.0	600131	600131-01	ND	NA
131	131-02	0.28	604762.7	1110063.3	600131	600131-02	ND	NA
131	131-03	0.24	604720.8	1109955.3	600131	600131-03	0.16	NA
131	131-04	0.18	604825.0	1109897.0	600131	600131-04	ND	NA
131	131-05	0.24	604701.2	1109864.8	600131	600131-05	8.1	10/19/2012
131	131-06	0.22	604796.9	1109806.5	600131	600131-06	3.5	10/19/2012
137	137-01	0.22	604516.1	1109968.9	600137	600137-01	1.3	10/19/2012
137	137-02	0.23	604611.4	1109933.6	600137	600137-02	2.8	10/19/2012
145	145-01	0.23	604162.4	1110436.4	600145	600145-01	ND	NA
145	145-02	0.22	604103.2	1110342.9	600145	600145-02	ND	NA
145	145-03	0.14	604177.3	1110303.1	600145	600145-03	ND	NA
145	145-04	0.17	604089.3	1110245.4	600145	600145-04	0.14	NA
145	145-05	0.15	604179.7	1110195.1	600145	600145-05	ND	NA
145	145-06	0.15	604080.4	1110184.5	600145	600145-06	5.0	10/20/2012
145	145-07	0.14	604190.1	1110127.3	600145	600145-07	4.6	10/20/2012
148	148-01	0.22	603979.4	1110585.7	600148	600148-01	ND	NA
148	148-02	0.25	604000.0	1110509.3	600148	600148-02	ND	NA
148	148-03	0.12	604100.2	1110490.4	600148	600148-03	ND	NA
148	148-04	0.13	603983.8	1110421.3	600148	600148-04	ND	NA
148	148-05	0.17	604052.4	1110405.2	600148	600148-05	ND	NA
148	148-06	0.23	604004.0	1110276.4	600148	600148-06	0.81	NA
152	152-01	0.21	603625.8	1110130.3	600152	600152-01	ND	NA
152	152-02	0.13	603738.5	1110044.8	600152	600152-02	ND	NA
152	152-03	0.23	603697.1	1110005.4	600152	600152-03	ND	NA
157	157-01	0.18	603499.4	1110256.6	600157	600157-01	0.70	NA
157	157-02	0.17	603475.0	1110209.4	600157	600157-02	ND	NA
193	193-01	0.20	600924.3	1112871.7	600193	600193-01	0.17	NA
203	203-01	0.24	599056.8	1113490.2	600203	600203-01	ND	NA
203	203-02	0.22	599109.1	1113351.1	600203	600203-02	ND	NA
203	203-03	0.25	599191.3	1113365.2	600203	600203-03	ND	NA
242	242-01	0.25	659560.4	1125591.5	600242	600242-01	0.22	NA
242	242-02	0.21	659636.0	1125599.2	600242	600242-02	0.043	NA
242	242-03	0.23	659705.6	1125593.9	600242	600242-03	0.14	NA
260	260-01	0.21	643599.9	1117545.4	600260	600260-01	ND	NA
260	260-02	0.26	643756.3	1117563.6	600260	600260-02	ND	NA
260	260-03	0.088	643543.4	1117471.9	600260	600260-03	0.93	NA
260	260-04	0.24	643612.9	1117471.0	600260	600260-04	0.36	NA
260	260-05	0.11	643698.6	1117487.2	600260	600260-05	1.3	11/15/2012
260	260-06	0.21	643796.0	1117481.3	600260	600260-06	0.18	NA
260	260-07	0.21	643645.1	1117374.0	600260	600260-07	1.0	11/15/2012
260	260-08	0.26	643813.2	1117396.1	600260	600260-08	0.96	NA
260	260-09	0.24	643670.1	1117306.1	600260	600260-09	ND	NA
260	260-10	0.25	643806.9	1117310.9	600260	600260-10	0.27	NA
302	302-01	0.19	623509.0	1114329.9	600302	600302-01	ND	NA

Table 4-5. OU-4 Residential Use Area Sampling Results
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Building ID	Subarea	Area (acres)	Easting	Northing	Locator ID	Sample ID	Total PCB[1,2] (mg/kg)	Removal Completed
302	302-02	0.18	623497.6	1114284.4	600302	600302-02	ND	NA
314	314-01	0.25	621627.9	1117257.1	600314	600314-01	0.081	NA
314	314-02	0.27	621640.9	1117201.6	600314	600314-02	4.6	11/21/2012
321	321-01	0.19	620566.4	1117563.0	600321	600321-01	ND	NA
321	321-02	0.20	620667.0	1117579.8	600321	600321-02	0.29	NA
321	321-03	0.24	620762.9	1117599.5	600321	600321-03	ND	NA
321	321-04	0.18	620635.6	1117496.8	600321	600321-04	ND	NA
321	321-05	0.11	620768.6	1117519.8	600321	600321-05	ND	NA
321	321-06	0.21	620723.4	1117444.6	600321	600321-06	ND	NA
400	400-01	0.22	653688.4	1121860.3	600400	600400-01	0.046	NA
400	400-02	0.23	653784.8	1121798.7	600400	600400-02	0.15	NA
400	400-03	0.16	653670.5	1121746.0	600400	600400-03	ND	NA
401	401-01	0.19	653485.3	1121808.0	600401	600401-01	0.80	NA
401	401-02	0.089	653453.5	1121885.0	600401	600401-02	1.7	11/21/2012
401	401-03	0.11	653621.1	1121871.9	600401	600401-03	0.17	NA
401	401-04	0.0050	653492.0	1121881.3	600401	600401-04	0.64	NA
401	401-05	0.083	653523.3	1121934.1	600401	600401-05	1.3	11/21/2012
404	404-01	0.21	653406.5	1121773.5	600404	600404-01	0.38	NA
404	404-02	0.20	653474.7	1121716.6	600404	600404-02	ND	NA
404	404-03	0.22	653364.8	1121681.2	600404	600404-03	0.30	NA
405	405-01	0.20	653464.6	1121642.6	600405	600405-01	ND	NA
405	405-02	0.20	653530.2	1121596.2	600405	600405-02	ND	NA
405	405-03	0.22	653382.3	1121582.0	600405	600405-03	0.18	NA
405	405-04	0.22	653493.2	1121528.7	600405	600405-04	ND	NA
406	406-01	0.26	653643.9	1121665.1	600406	600406-01	ND	NA
406	406-02	0.24	653658.0	1121575.4	600406	600406-02	0.12	NA
406	406-03	0.26	653761.4	1121685.7	600406	600406-03	0.052	NA
406	406-04	0.23	653723.4	1121552.4	600406	600406-04	0.59	NA
406	406-05	0.23	653819.2	1121645.2	600406	600406-05	0.75	NA
407	407-01	0.18	619952.3	1116490.7	600407	600407-01	0.31	NA
407	407-02	0.24	620084.6	1116588.0	600407	600407-02	0.64	NA
407	407-03	0.27	619976.8	1116426.3	600407	600407-03	3.6	11/9/2012
407	407-04	0.23	620100.1	1116523.9	600407	600407-04	4.2	11/9/2012
407	407-05	0.23	620040.3	1116412.0	600407	600407-05	6.1	11/9/2012
407	407-06	0.24	620039.2	1116367.5	600407	600407-06	3.3	11/9/2012

1. Total PCB concentrations based on 5-point composite samples.
2. Total PCB results were calculated as the sum of the detected Aroclors. If all the results were nondetect, then the result is listed as ND.
Sampled residential use areas are shown on Figures 4-6a through 4-6j.
Area and Total PCB results were rounded to two significant figures.
ID: identification
mg/kg: milligram(s) per kilogram
NA: not applicable
ND: nondetect
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
Lake Pointe	CC - Jackson Shoals to LLM	C10	LLC-CR1	1116290.9	560252.6	NA	LLC-CR1 (0-30")	O	Disc	0	30	0.87	0.84	NA	NA
Lake Pointe	CC - Jackson Shoals to LLM	C10	LLC-CR2	1116833.0	560394.6	NA	LLC-CR2 (0-18")	O	Disc	0	18	0.087 U	0.027	NA	NA
Lake Pointe	CC - Jackson Shoals to LLM	C10	LLC-CR3	1116678.3	560587.7	NA	LLC-CR3 (0-12")	O	Disc	0	12	0.089 U	0.046	NA	NA
Lake Pointe	CC - Jackson Shoals to LLM	C10	LLC-CR4	1116393.8	560955.9	NA	LLC-CR4 (0-18")	O	Disc	0	18	0.089 U	0.041	NA	NA
Phase 2 Eco Sed	CC - Backwater Area[3]	C2	EUA-01-19	1128701.9	658707.0	Coarse	C10739	O	Disc	0	6	1.1	2.6 J	NA	4,010 J
Phase 2 Eco Sed	CC - Backwater Area[3]	C2	EUA-01-20	1128605.4	658539.7	Coarse	C10740	O	Disc	0	6	3.1	0.83 J	NA	4,880 J
Phase 2 Eco Sed	CC - Backwater Area[3]	C2	EUA-01-21	1128498.2	658384.1	Gravel	C10741	O	Disc	0	6	0.81	2.9 J	NA	3,790 J
Phase 2 Eco Sed	CC - Backwater Area[3]	C3	EUA-01-22	1127940.3	657848.5	Coarse	C10742	O	Disc	0	6	2.0 J	0.30 J	NA	3,050 J
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-01-23	1127888.1	657783.7	Coarse	C10743	O	Disc	0	6	0.35	0.78 J	NA	4,370 J
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-01-24	1127716.1	657635.6	Fine	C10744	O	Disc	0	6	2.8	0.75 J	0.00923	6,360
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-02-43	1125832.3	657431.3	Fine	C10745	O	Disc	0	6	1.8	0.44	0.00775	10,200 J
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-02-43	1125832.3	657431.3	Fine	C10746	FD	Disc	0	6	2.1	0.50	0.00729	1,510
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-02-44	1125815.1	657499.6	Fine	C10747	O	Disc	0	6	0.40	0.039	NA	2,140
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-02-45	1124644.5	656594.9	Fine	C10748	O	Disc	0	6	1.5	0.32	NA	2,700
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-02-46	1124650.8	656540.7	Fine	C10749	O	Disc	0	6	0.26	0.054	NA	7,600
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-02-47	1122768.0	653380.0	Fine	C10750	O	Disc	0	6	1.6	1.0	NA	14,000
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C3	EUA-02-48	1122768.0	653375.0	Coarse	C10751	O	Disc	0	6	0.87	1.3	NA	5,380
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C4	EUA-03-25	1119742.4	646779.7	Coarse	C10752	O	Disc	0	6	1.2	1.3 J	NA	6,950
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C4	EUA-03-26	1119664.9	647011.4	Gravel	C10753	O	Disc	0	6	1.5	0.91 J	NA	4,560 J
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C4	EUA-03-27	1119772.0	647194.2	Gravel	C10754	O	Disc	0	6	0.28	0.27 J	NA	10,700 J
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C4	EUA-03-28	1119762.9	647218.5	Gravel	C10755	O	Disc	0	6	0.36	0.35 J	NA	4,160 J
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C4	EUA-03-29	1119878.1	647281.6	Fine	C10756	O	Disc	0	6	2.4	0.86 J	NA	4,790
Phase 2 Eco Sed	CC - Friendship Rd to Coldwater Creek	C4	EUA-03-30	1120066.6	647464.7	Coarse	C10757	O	Disc	0	6	0.42	1.0 J	NA	1,260 U
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-01-01	1113774.4	623513.3	Coarse	C10720	O	Disc	0	6	1.2	0.43 J	NA	10,000 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-01-02	1113861.5	623492.5	Coarse	C10721	O	Disc	0	6	0.70	0.61 J	0.001724	2,270 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-01-03	1113874.1	623478.2	Coarse	C10722	O	Disc	0	6	0.57 J	0.77 J	NA	2,890 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-01-03	1113874.1	623478.2	Coarse	C10723	FD	Disc	0	6	1.7	0.69 J	NA	1,800 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-01-04	1113998.0	623203.3	Coarse	C10724	O	Disc	0	6	0.36	0.74 J	NA	3,940 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-01-05	1113928.2	623173.0	Fine	C10725	O	Disc	0	6	1.3	0.50 J	NA	11,400
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-01-06	1113900.4	623233.4	Fine	C10726	O	Disc	0	6	2.3	0.91 J	NA	13,400
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-02-07	1116259.2	622723.8	Fine	C10727	O	Disc	0	6	2.4	0.65 J	NA	20,100
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-02-08	1116420.0	622627.2	Coarse	C10728	O	Disc	0	6	1.3	0.84 J	NA	3,740
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-02-09	1116567.4	622538.6	Coarse	C10729	O	Disc	0	6	5.2	1.1 J	0.00762	12,200 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-02-10	1116598.5	622515.0	Fine	C10730	O	Disc	0	6	2.3	0.69 J	NA	19,300 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-02-11	1116607.6	622507.7	Fine	C10731	O	Disc	0	6	2.0	0.47 J	NA	13,000 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-02-12	1116603.2	622512.7	Fine	C10732	O	Disc	0	6	3.6	0.87 J	NA	23,500
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-03-31	1116907.5	620665.9	Coarse	C10733	O	Disc	0	6	0.23	0.30 J	NA	3,460 J

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-03-32	1116855.5	620633.0	Coarse	C10734	O	Disc	0	6	0.041 U	0.43 J	NA	30,300 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-03-33	1116814.1	620608.5	Coarse	C10735	O	Disc	0	6	0.38	0.45 J	NA	7,050 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-03-34	1116738.6	620559.9	Coarse	C10736	O	Disc	0	6	0.69	0.51 J	NA	4,920 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-03-35	1116687.3	620390.3	Fine	C10737	O	Disc	0	6	3.9	0.81 J	0.01993	37,300 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C5	EMA-03-36	1116589.7	620329.8	Fine	C10738	O	Disc	0	6	1.5	0.75 J	NA	31,300
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-01-55	1110413.2	603681.3	Coarse	C10701	O	Disc	0	6	0.32	0.40 J	NA	5,460 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-01-55	1110413.2	603681.3	Coarse	C10702	FD	Disc	0	6	0.74	0.29 J	NA	2,250 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-01-56	1110320.4	603619.8	Coarse	C10703	O	Disc	0	6	0.26	0.19 J	NA	3,020 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-01-57	1110521.7	603451.7	Fine	C10704	O	Disc	0	6	2.0	0.62 J	NA	10,600 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-01-58	1110438.0	603481.1	Fine	C10705	O	Disc	0	6	2.7	0.69 J	NA	16,200
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-01-59	1110584.2	603392.0	Fine	C10706	O	Disc	0	6	0.82	6.3 J	NA	10,100
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-01-60	1110546.4	603285.6	Fine	C10707	O	Disc	0	6	2.4	0.58 J	NA	22,200 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-02-61	1113374.6	601641.5	Fine	C10708	O	Disc	0	6	3.9	0.91 J	0.01849	24,800 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-02-62	1113508.5	601607.6	Fine	C10709	O	Disc	0	6	2.4	0.75 J	NA	23,300 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-02-63	1114040.4	601091.5	Coarse	C10710	O	Disc	0	6	3.0	0.49 J	NA	2,350 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-02-64	1114078.1	601067.6	Coarse	C10711	O	Disc	0	6	3.2	0.27 J	NA	1,320 U
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-02-65	1114543.8	600678.1	Coarse	C10712	O	Disc	0	6	1.2	0.52 J	NA	13,100 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-02-66	1114444.7	600615.3	Fine	C10713	O	Disc	0	6	1.1	0.59 J	0.0031	4,000 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-03-67	1113257.9	600077.8	Fine	C10714	O	Disc	0	6	4.2	1.6 J	NA	14,300
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-03-68	1113314.6	600125.5	Fine	C10715	O	Disc	0	6	0.98	0.37 J	NA	3,110
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-03-69	1112974.1	600587.7	Fine	C10716	O	Disc	0	6	2.0	0.43 J	NA	9,750 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-03-70	1112963.7	600671.9	Coarse	C10717	O	Disc	0	6	0.044	0.16 J	NA	2,090 J
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-03-71	1112900.1	600716.6	Coarse	C10718	O	Disc	0	6	0.099	0.22 J	NA	1,240 U
Phase 2 Eco Sed	CC - Coldwater Creek to Cheaha Creek	C7	ELA-03-72	1112891.4	600630.2	Fine	C10719	O	Disc	0	6	0.36	0.19 J	NA	1,850
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-01	1131599.9	658856.9	Deposit	S10093	O	Disc	0	2	1.3	NA	NA	500 U
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-01	1131599.9	658856.9	Deposit	S10094	O	Disc	2	12	4.7	NA	NA	500 U
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-02	1131495.8	658869.9	Deposit	S10095	O	Disc	0	2	5.8	0.51 N	NA	4,700
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-02	1131495.8	658869.9	Deposit	S10096	O	Disc	2	5	5.6	NA	NA	8,300
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-03	1131452.4	658869.1	Deposit	S10097	O	Disc	0	2	41 J	NA	NA	36,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-03	1131452.4	658869.1	Deposit	S10098	O	Disc	2	12	7.3	NA	NA	5,600
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-03	1131452.4	658869.1	Deposit	S10099	FD	Disc	2	12	11 J	NA	NA	4,100
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-04	1131466.0	658839.0	Deposit	S10114	O	Disc	0	3.5	4.4	NA	NA	1,200
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-05	1131418.5	658836.1	Deposit	S10100	O	Disc	0	2	2.2 J	NA	NA	13,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-05	1131418.5	658836.1	Deposit	S10101	O	Disc	2	6.5	3.9	NA	NA	19,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-07	1131250.1	658834.3	Deposit	S10102	O	Disc	0	2	0.43	NA	NA	500 U
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-07	1131250.1	658834.3	Deposit	S10103	O	Disc	2	12	0.077 J	NA	NA	32,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-07	1131250.1	658834.3	Deposit	S10104	O	Disc	12	24	0.22 U	NA	NA	32,000

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-07	1131250.1	658834.3	Deposit	S10105	O	Disc	24	26.5	0.20 U	NA	NA	250,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-09	1131102.5	658857.8	Deposit	S10106	O	Disc	0	2	3.3	NA	NA	3,400
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-09	1131102.5	658857.8	Deposit	S10107	O	Disc	2	6.5	2.1	NA	NA	11,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-10	1130972.3	658815.2	Deposit	S10108	O	Disc	0	2	1.5	0.58 N	NA	3,100
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-10	1130972.3	658815.2	Deposit	S10109	O	Disc	2	12	4.9	2.6 J	NA	14,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-13	1130835.2	658824.8	Deposit	S10110	O	Disc	0	2	3.9	NA	NA	5,100
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-13	1130835.2	658824.8	Deposit	S10111	O	Disc	2	7.5	8.1	NA	NA	25,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-15	1130146.8	658673.8	Deposit	S10112	O	Disc	0	2	1.3	NA	NA	500 U
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-15	1130146.8	658673.8	Deposit	S10113	O	Disc	2	12.5	4.5	NA	NA	13,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-17	1130022.7	658672.0	Deposit	S10115	O	Disc	0	2	9.5	NA	NA	8,500
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-17	1130022.7	658672.0	Deposit	S10116	O	Disc	2	10	6.3	NA	NA	16,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-21	1129577.4	658633.8	Deposit	S10117	O	Disc	0	2	1.7	NA	NA	5,900
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-21	1129577.4	658633.8	Deposit	S10118	O	Disc	2	4.5	1.8	NA	NA	6,200
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-23	1129303.9	658588.7	Deposit	S10119	O	Disc	0	2	1.1	NA	NA	3,600
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-23	1129303.9	658588.7	Deposit	S10120	O	Disc	2	7	1.6	NA	NA	9,400
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-25	1129113.8	658600.8	Deposit	S10121	O	Disc	0	2.5	4.4	NA	NA	5,500
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-26	1129065.2	658683.3	Deposit	S10122	O	Disc	0	2	0.17 U	NA	NA	9,100
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-26	1129065.2	658683.3	Deposit	S10123	O	Disc	2	12	0.18 U	NA	NA	10,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-26	1129065.2	658683.3	Deposit	S10124	O	Disc	12	24	0.17 U	NA	NA	7,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-26	1129065.2	658683.3	Deposit	S10125	O	Disc	24	33	0.17 U	NA	NA	3,800
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-26	1129065.2	658683.3	Deposit	S10126	FD	Disc	2	12	0.17 U	NA	NA	8,100
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-27	1129007.1	658717.2	Deposit	S10127	O	Disc	0	2	2.1	NA	NA	2,400
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-27	1129007.1	658717.2	Deposit	S10128	O	Disc	2	12	2.8	NA	NA	35,000
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-27	1129007.1	658717.2	Deposit	S10129	O	Disc	12	15.5	5.6	NA	NA	1,600
RFI Sed	Snow Creek - Highway 78 to CC	C1	S-6-27	1129007.1	658717.2	Deposit	S10130	FD	Disc	2	12	5.0	NA	NA	54,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-159-SED-3	1113962.8	566593.9	Coarse	C10249	O	Disc	0	3.5	0.082 J	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-160-SED-3	1114546.2	566168.5	Coarse	C10250	O	Disc	0	2	0.36 J	NA	NA	3,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-160-SED-3	1114546.2	566168.5	Coarse	C10251	O	Disc	2	12	0.054 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-160-SED-3	1114546.2	566168.5	Coarse	C10252	O	Disc	12	21.5	0.058 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-161-SED-1	1115166.9	565420.8	Coarse	C10253	O	Disc	0	3.5	0.64	NA	NA	29,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-161-SED-2	1115194.9	565455.5	Coarse	C10254	O	Disc	0	2	0.21 J	NA	NA	8,300
RFI Sed	CC - Jackson Shoals to LLM	C10	C-161-SED-2	1115194.9	565455.5	Coarse	C10255	O	Disc	2	9.5	0.060 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-162-SED-3	1116109.2	564985.7	Fine	C10258	O	Disc	0	2	0.061 U	0.050 T	NA	3,100
RFI Sed	CC - Jackson Shoals to LLM	C10	C-162-SED-3	1116109.2	564985.7	Fine	C10259	O	Disc	2	12	0.083 U	0.036 T	NA	4,700
RFI Sed	CC - Jackson Shoals to LLM	C10	C-162-SED-3	1116109.2	564985.7	Fine	C10260	O	Disc	12	22.5	0.065 U	0.024 T	NA	6,700
RFI Sed	CC - Jackson Shoals to LLM	C10	C-162-SED-3	1116109.2	564985.7	Fine	C10262	FD	Disc	12	22.5	0.065 U	0.027 T	NA	5,800
RFI Sed	CC - Jackson Shoals to LLM	C10	C-164-SED-1	1117544.0	563352.6	Fine	C10263	O	Disc	0	2	0.071 U	NA	NA	8,300

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Jackson Shoals to LLM	C10	C-164-SED-1	1117544.0	563352.6	Fine	C10264	O	Disc	2	12	0.067 U	NA	NA	5,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-164-SED-1	1117544.0	563352.6	Fine	C10265	O	Disc	12	15	0.066 U	NA	NA	5,500
RFI Sed	CC - Jackson Shoals to LLM	C10	C-164-SED-4	1117690.1	563384.0	Fine	C10266	O	Disc	0	2	0.14	NA	NA	7,600
RFI Sed	CC - Jackson Shoals to LLM	C10	C-164-SED-4	1117690.1	563384.0	Fine	C10267	O	Disc	2	12	0.067 U	NA	NA	11,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-164-SED-4	1117690.1	563384.0	Fine	C10268	O	Disc	12	18	0.066 U	NA	NA	5,500
RFI Sed	CC - Jackson Shoals to LLM	C10	C-165-SED-2	1117451.6	562541.1	Fine	C10269	O	Disc	0	2	0.36	0.34 T	NA	16,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-165-SED-2	1117451.6	562541.1	Fine	C10270	O	Disc	2	6	0.035 J	0.16 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-166-SED-6	1116991.1	561835.2	Fine	C10271	O	Disc	0	2	0.083 U	0.030 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-166-SED-6	1116991.1	561835.2	Fine	C10272	O	Disc	2	6	0.062 U	0.018 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-168-SED-2	1114280.4	560306.0	Fine	C10273	O	Disc	0	2	0.063 U	NA	NA	960
RFI Sed	CC - Jackson Shoals to LLM	C10	C-168-SED-2	1114280.4	560306.0	Fine	C10274	O	Disc	2	11	0.060 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-169-SED-5	1116642.8	560386.0	Fine	C10027	O	Disc	0	2	0.60	0.090 T	NA	15,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-169-SED-5	1116642.8	560386.0	Fine	C10028	O	Disc	2	12	0.25 J	0.27 T	NA	9,300
RFI Sed	CC - Jackson Shoals to LLM	C10	C-169-SED-5	1116642.8	560386.0	Fine	C10029	O	Disc	12	24	0.087 U	0.025 T	NA	3,400
RFI Sed	CC - Jackson Shoals to LLM	C10	C-169-SED-5	1116642.8	560386.0	Fine	C10030	O	Disc	24	27	0.084 U	0.024 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-1	1116171.9	558895.4	Fine	C10275	O	Disc	0	2	0.60	NA	NA	45,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-1	1116171.9	558895.4	Fine	C10276	O	Disc	2	12	1.3	NA	NA	25,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-1	1116171.9	558895.4	Fine	C10277	O	Disc	12	24	0.36	NA	NA	27,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-1	1116171.9	558895.4	Fine	C10278	O	Disc	24	36.5	0.23	NA	NA	8,800
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-5	1116578.5	558919.9	Fine	C10279	O	Disc	0	2	0.12	NA	NA	17,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-5	1116578.5	558919.9	Fine	C10280	O	Disc	2	12	0.084 J	NA	NA	11,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-5	1116578.5	558919.9	Fine	C10281	O	Disc	12	20.5	0.27	NA	NA	30,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-170-SED-5	1116578.5	558919.9	Fine	C10282	FD	Disc	12	20.5	0.47 J	NA	NA	31,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-172-SED-2	1116363.9	557125.9	Fine	C10283	O	Disc	0	2	0.16	1.1 T	NA	26,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-172-SED-2	1116363.9	557125.9	Fine	C10284	O	Disc	2	12	0.087 J	1.0 T	NA	24,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-172-SED-2	1116363.9	557125.9	Fine	C10285	O	Disc	12	15.5	0.14	1.7 T	NA	19,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-173-SED-4	1116635.1	555917.1	Fine	C10296	O	Disc	0	2	0.55	NA	NA	11,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-173-SED-4	1116635.1	555917.1	Fine	C10297	O	Disc	2	12	0.042 J	NA	NA	9,300
RFI Sed	CC - Jackson Shoals to LLM	C10	C-173-SED-4	1116635.1	555917.1	Fine	C10298	O	Disc	12	23	0.082 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals to LLM	C10	C-174-SED-5	1116780.9	555155.9	Fine	C10286	O	Disc	0	2	0.14	1.2 T	NA	20,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-174-SED-5	1116780.9	555155.9	Fine	C10287	O	Disc	2	12	0.068 J	0.77 T	NA	14,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-174-SED-5	1116780.9	555155.9	Fine	C10288	O	Disc	12	21	0.083 U	0.032 T	NA	12,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-175-SED-1	1116155.9	554174.1	Fine	C10299	O	Disc	0	2	0.17	NA	NA	12,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-175-SED-1	1116155.9	554174.1	Fine	C10300	O	Disc	2	12.5	0.080 U	NA	NA	3,100
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-2	1116271.6	553220.3	Fine	C10031	O	Disc	0	2	0.10	0.090 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-2	1116271.6	553220.3	Fine	C10032	O	Disc	2	12	0.15 J	0.098 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-2	1116271.6	553220.3	Fine	C10033	O	Disc	12	24	0.080 U	0.011 T	NA	500 U

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-2	1116271.6	553220.3	Fine	C10034	O	Disc	24	28.5	0.079 U	0.013 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-5	1116322.7	552955.1	Fine	C10301	O	Disc	0	2	1.2	NA	NA	18,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-5	1116322.7	552955.1	Fine	C10302	O	Disc	2	12	0.37	NA	NA	6,400
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-5	1116322.7	552955.1	Fine	C10303	O	Disc	12	17	0.076 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals to LLM	C10	C-176-SED-5	1116322.7	552955.1	Fine	C10304	FD	Disc	12	17	0.078 U	NA	NA	2,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-177-SED-2	1115499.5	553181.7	Fine	C10289	O	Disc	0	2	0.088 U	0.26 T	NA	3,800
RFI Sed	CC - Jackson Shoals to LLM	C10	C-177-SED-2	1115499.5	553181.7	Fine	C10290	O	Disc	2	12	0.081 U	0.095 T	NA	1,100
RFI Sed	CC - Jackson Shoals to LLM	C10	C-177-SED-2	1115499.5	553181.7	Fine	C10291	O	Disc	12	19	0.079 U	0.040 T	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-177-SED-3	1115488.6	553006.2	Fine	C10305	O	Disc	0	2	0.084 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals to LLM	C10	C-177-SED-3	1115488.6	553006.2	Fine	C10306	O	Disc	2	11.5	0.082 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals to LLM	C10	C-178-SED-3	1115011.1	553421.8	Fine	C10307	O	Disc	0	2	1.6	NA	NA	20,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-178-SED-3	1115011.1	553421.8	Fine	C10308	O	Disc	2	12	0.78	NA	NA	7,900
RFI Sed	CC - Jackson Shoals to LLM	C10	C-178-SED-3	1115011.1	553421.8	Fine	C10309	O	Disc	12	17.5	0.082 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals to LLM	C10	C-180-SED-4	1112696.4	553279.5	Fine	C10292	O	Disc	0	2	0.16	1.2 T	NA	33,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-180-SED-4	1112696.4	553279.5	Fine	C10293	O	Disc	2	12	0.27 J	1.3 T	NA	27,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-180-SED-4	1112696.4	553279.5	Fine	C10294	O	Disc	12	24	0.20 J	5.8 T	NA	16,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-180-SED-4	1112696.4	553279.5	Fine	C10295	O	Disc	24	30.5	0.081 U	0.013 T	NA	1,200
RFI Sed	CC - Jackson Shoals to LLM	C10	C-181-SED-3	1112369.2	552895.0	Fine	C10310	O	Disc	0	2	1.8	NA	NA	27,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-181-SED-3	1112369.2	552895.0	Fine	C10311	O	Disc	2	12	0.63	NA	NA	23,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-181-SED-3	1112369.2	552895.0	Fine	C10312	O	Disc	12	22	2.2	NA	NA	3,200
RFI Sed	CC - Jackson Shoals to LLM	C10	C-181-SED-5	1112599.0	552938.7	Fine	C10313	O	Disc	0	2	0.50	NA	NA	9,200
RFI Sed	CC - Jackson Shoals to LLM	C10	C-181-SED-5	1112599.0	552938.7	Fine	C10314	O	Disc	2	12	0.082 U	NA	NA	2,400
RFI Sed	CC - Jackson Shoals to LLM	C10	C-181-SED-5	1112599.0	552938.7	Fine	C10315	O	Disc	12	22	0.061 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C10	C-181-SED-5	1112599.0	552938.7	Fine	C10316	FD	Disc	2	12	0.081 U	NA	NA	1,800
RFI Sed	CC - Jackson Shoals to LLM	C10	C-182-SED-4	1112822.9	552448.9	Fine	C10035	O	Disc	0	2	1.1	0.12 T	NA	13,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-182-SED-4	1112822.9	552448.9	Fine	C10036	O	Disc	2	6.5	0.57 J	0.81 T	NA	5,700
RFI Sed	CC - Jackson Shoals to LLM	C10	C-183-SED-5	1113090.6	550681.3	Fine	C10317	O	Disc	0	2	1.1	NA	NA	16,000
RFI Sed	CC - Jackson Shoals to LLM	C10	C-183-SED-5	1113090.6	550681.3	Fine	C10318	O	Disc	2	9	0.27	NA	NA	2,700
RFI Sed	CC - Jackson Shoals to LLM	C10	C-183-SED-5	1113090.6	550681.3	Fine	C10319	FD	Disc	2	9	0.059	NA	NA	3,600
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10241	O	Disc	0	0.5	0.12 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10242	O	Disc	0.5	1	0.13 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10243	O	Disc	1	2	0.22	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10244	O	Disc	2	4	0.26 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10246	O	Disc	6	8	0.33 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10248	O	Disc	10	12	0.30 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10250	O	Disc	14	16	0.56	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10252	O	Disc	18	20	0.48	NA	NA	-

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10254	O	Disc	22	24	0.13 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10256	O	Disc	26	28	0.21 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-5	1115736.66	561597.97	NA	L10258	O	Disc	30	32	0.082 U	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10260	O	Disc	0	0.5	0.10 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10261	O	Disc	0.5	1	0.14 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10262	O	Disc	1	2	0.18	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10263	O	Disc	2	4	0.55 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10265	O	Disc	6	8	0.67	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10266	FD	Disc	6	8	0.94 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10268	O	Disc	10	12	0.77	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10270	O	Disc	14	16	0.58 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10272	O	Disc	18	20	1.1	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10274	O	Disc	22	24	1.0 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10276	O	Disc	26	28	0.79 J	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10278	O	Disc	30	32	0.082 U	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10280	O	Disc	34	36	0.083 U	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10282	O	Disc	38	40	0.084 U	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10284	O	Disc	42	44	0.084 U	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10286	O	Disc	46	48	0.082 U	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10288	O	Disc	50	52	0.081 U	NA	NA	-
RFI Sed	Jackson Shoals to LLM	C10	MLM-GEO-7	1115736.66	561597.97	NA	L10290	O	Disc	54	56	0.081 U	NA	NA	-
RFI Sed	CC - Backwater Area[3]	C2	C-001-SED-4	1128663.6	658523.8	Fine	C10074	O	Disc	0	2	1.9	NA	NA	500 U
RFI Sed	CC - Backwater Area[3]	C2	C-001-SED-4	1128663.6	658523.8	Fine	C10075	O	Disc	2	12	2.6	NA	NA	11,000
RFI Sed	CC - Backwater Area[3]	C2	C-001-SED-4	1128663.6	658523.8	Fine	C10076	O	Disc	12	22	2.9	NA	NA	2,800
RFI Sed	CC - Backwater Area[3]	C2	C-002-SED-3	1128203.0	657844.4	Gravel	C10320	O	Disc	0	2	0.29	NA	NA	500 U
RFI Sed	CC - Backwater Area[3]	C2	C-002-SED-3	1128203.0	657844.4	Gravel	C10321	O	Disc	2	5	0.050	NA	NA	500 U
RFI Sed	CC - Backwater Area[3]	C2	C-U1-SED-1	1128814.3	659704.0	Fine	C10072	O	Disc	0	2	0.12 U	NA	NA	19,000
RFI Sed	CC - Backwater Area[3]	C2	C-U1-SED-1	1128814.3	659704.0	Fine	C10073	O	Disc	2	13.5	0.083 U	NA	NA	8,900
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-1	1127922.2	658872.6	Fine	C10090	O	Disc	0	2	1.2	NA	NA	7,900
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-1	1127922.2	658872.6	Fine	C10091	O	Disc	2	12	55	NA	NA	20,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-1	1127922.2	658872.6	Fine	C10092	O	Disc	12	24	49 J	NA	NA	28,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-1	1127922.2	658872.6	Fine	C10093	O	Disc	24	36	0.45	NA	NA	25,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-1	1127922.2	658872.6	Fine	C10094	O	Disc	36	45	0.071 U	NA	NA	23,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-3	1127940.9	658873.7	Fine	C10086	O	Disc	0	2	0.12 J	NA	NA	500 U
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-3	1127940.9	658873.7	Fine	C10087	O	Disc	2	12	0.69	NA	NA	500 U
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-3	1127940.9	658873.7	Fine	C10088	O	Disc	12	24	170	NA	NA	25,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-3	1127940.9	658873.7	Fine	C10089	O	Disc	24	32	160	NA	NA	23,000

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-4	1127953.1	658874.5	Fine	C10077	O	Disc	0	2	95 J	NA	NA	28,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-4	1127953.1	658874.5	Fine	C10078	O	Disc	2	12	130 J	NA	NA	25,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-4	1127953.1	658874.5	Fine	C10079	O	Disc	12	24	75 J	NA	NA	35,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-4	1127953.1	658874.5	Fine	C10080	O	Disc	24	27	0.57	NA	NA	31,000
RFI Sed	CC - Backwater Area[3]	C2	C-U2-SED-4	1127953.1	658874.5	Fine	C10081	FD	Disc	12	24	64 J	NA	NA	39,000
RFI Sed	CC - Backwater Area[3]	C2	C-U3-SED-4	1127348.2	659637.8	Fine	C10002	O	Disc	2	12	0.11 U	0.038 T	NA	30,000
RFI Sed	CC - Backwater Area[3]	C2	C-U3-SED-4	1127348.2	659637.8	Fine	C10003	O	Disc	12	25	0.12 U	0.031 T	NA	29,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-005-SED-1	1125398.0	657222.8	Coarse	C10084	O	Disc	0	2	0.23 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-005-SED-1	1125398.0	657222.8	Coarse	C10085	O	Disc	2	5.5	0.022 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-005-SED-2	1125410.1	657206.0	Fine	C10008	O	Disc	2	12	0.092 U	0.31 T	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-005-SED-2	1125410.1	657206.0	Fine	C10009	O	Disc	12	20	0.098 U	0.13 T	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-008-SED-2	1123090.8	655146.9	Coarse	C10058	O	Disc	0	2	0.34	NA	NA	15,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-008-SED-2	1123090.8	655146.9	Coarse	C10059	O	Disc	2	11.5	0.28	NA	NA	5,700
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-008-SED-4	1123117.5	655137.2	Fine	C10096	O	Disc	0	2	0.50	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-008-SED-4	1123117.5	655137.2	Fine	C10097	O	Disc	2	12	0.25	NA	NA	9,100
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-008-SED-4	1123117.5	655137.2	Fine	C10098	O	Disc	12	20	0.10 U	NA	NA	32,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-008-SED-4	1123117.5	655137.2	Fine	C10099	FD	Disc	12	20	0.10 U	NA	NA	28,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-009-SED-1	1122970.1	654094.3	Fine	C10100	O	Disc	0	2	2.1 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-009-SED-1	1122970.1	654094.3	Fine	C10101	O	Disc	2	12	0.20 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-009-SED-1	1122970.1	654094.3	Fine	C10102	O	Disc	12	24	0.059 U	NA	NA	1,300
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-009-SED-1	1122970.1	654094.3	Fine	C10103	O	Disc	24	34	0.060 U	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-010-SED-4	1122723.1	652989.8	Fine	C10104	O	Disc	0	2	0.42 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-010-SED-4	1122723.1	652989.8	Fine	C10105	O	Disc	2	12	0.066 U	NA	NA	27,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C3	C-010-SED-4	1122723.1	652989.8	Fine	C10106	O	Disc	12	23	0.081 U	NA	NA	25,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-011-SED-3	1122315.4	651735.1	Fine	C10107	O	Disc	0	2	23 J	NA	NA	26,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-011-SED-3	1122315.4	651735.1	Fine	C10108	O	Disc	2	5.5	19 J	NA	NA	56,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-011-SED-4	1122324.0	651736.6	Fine	C10109	O	Disc	0	2	0.62 J	NA	NA	1,700
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-011-SED-4	1122324.0	651736.6	Fine	C10110	O	Disc	2	9	4.3 J	NA	NA	8,300
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-013-SED-3	1121665.5	650167.0	Coarse	C10082	O	Disc	0	2	0.16 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-013-SED-3	1121665.5	650167.0	Coarse	C10083	O	Disc	2	8.5	0.074 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-013-SED-4	1121655.6	650160.2	Fine	C10011	O	Disc	2	13.5	1.2 J	0.55 T	NA	15,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-014-SED-1	1121073.1	649873.3	Coarse	C10050	O	Disc	0	2	0.29	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-014-SED-1	1121073.1	649873.3	Coarse	C10051	O	Disc	2	5	0.24	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-014-SED-3	1121094.6	649853.8	Coarse	C10052	O	Disc	0	2	0.64	NA	NA	6,900
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-014-SED-3	1121094.6	649853.8	Coarse	C10053	O	Disc	2	8.5	0.65	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-015-SED-3	1120874.1	649117.1	Coarse	C10040	O	Disc	0	2	1.3	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-015-SED-3	1120874.1	649117.1	Coarse	C10041	O	Disc	2	8.5	0.25 J	NA	NA	500 U

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-016-SED-3	1120749.8	648336.0	Coarse	C10069	O	Disc	0	2	1.1	NA	NA	2,600
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-016-SED-3	1120749.8	648336.0	Coarse	C10070	O	Disc	2	12	0.64	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-016-SED-3	1120749.8	648336.0	Coarse	C10071	O	Disc	12	23.5	0.34	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-017-SED-2	1120207.4	647849.6	Coarse	C10042	O	Disc	0	2	8.9	NA	NA	23,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-017-SED-2	1120207.4	647849.6	Coarse	C10043	O	Disc	2	12	0.49	NA	NA	1,200
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-017-SED-2	1120207.4	647849.6	Coarse	C10044	O	Disc	12	18.5	0.16 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-021-SED-4	1119652.0	646994.8	Coarse	C10062	O	Disc	0	2	1.2 J	NA	NA	13,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-021-SED-4	1119652.0	646994.8	Coarse	C10063	O	Disc	2	12	0.57 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-021-SED-4	1119652.0	646994.8	Coarse	C10064	O	Disc	12	17	0.95	NA	NA	4,900
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-021-SED-4	1119652.0	646994.8	Coarse	C10065	O	Disc	17	22	1.2 J	NA	NA	180,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-021-SED-4	1119652.0	646994.8	Coarse	C10066	FD	Disc	17	22	2.1 J	NA	NA	140,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-024-SED-2	1119024.9	645122.2	Coarse	C10045	O	Disc	0	3	0.056 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-026-SED-2	1118945.7	643696.8	Coarse	C10037	O	Disc	0	2	0.33 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-026-SED-2	1118945.7	643696.8	Coarse	C10038	O	Disc	2	5.5	0.30	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-028-SED-2	1118151.9	641842.1	Fine	C10111	O	Disc	0	2	0.13 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-028-SED-2	1118151.9	641842.1	Fine	C10112	O	Disc	2	12	0.056 U	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-028-SED-2	1118151.9	641842.1	Fine	C10113	O	Disc	12	18	0.056 U	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-029-SED-2	1118571.1	640916.1	Gravel	C10322	O	Disc	0	3	0.24 J	NA	NA	6,900
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-031-SED-1	1118876.3	639642.8	Coarse	C10054	O	Disc	0	2	0.29 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-031-SED-1	1118876.3	639642.8	Coarse	C10055	O	Disc	2	9	0.46	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-032-SED-3	1119224.5	638745.2	Coarse	C10047	O	Disc	0	2	0.24 J	NA	NA	32,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-032-SED-3	1119224.5	638745.2	Coarse	C10048	O	Disc	2	7	0.094 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-032-SED-3	1119224.5	638745.2	Coarse	C10049	FD	Disc	2	7	0.18 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-033-SED-2	1119213.6	637669.2	Coarse	C10056	O	Disc	0	2	0.27 J	NA	NA	680
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-033-SED-2	1119213.6	637669.2	Coarse	C10057	O	Disc	2	8	0.34	NA	NA	4,200
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-036-SED-1	1120047.0	636295.1	Coarse	C10067	O	Disc	0	2	0.61	NA	NA	3,900
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-036-SED-1	1120047.0	636295.1	Coarse	C10068	O	Disc	2	10	0.24 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-039-SED-2	1121983.2	636034.9	Fine	C10114	O	Disc	0	2	0.31 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-039-SED-2	1121983.2	636034.9	Fine	C10115	O	Disc	2	9	1.6 J	NA	NA	32,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-041-SED-3	1121595.9	634462.0	Coarse	C10060	O	Disc	0	2	0.13 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-041-SED-3	1121595.9	634462.0	Coarse	C10061	O	Disc	2	8	0.42	NA	NA	9,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-042-SED-2	1120925.8	633908.3	Coarse	C10039	O	Disc	0	2.5	0.12 J	NA	NA	500 U
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-043-SED-4	1120308.6	632892.2	Coarse	C10095	O	Disc	0	2	1.2	NA	NA	6,200
RFI Sed	CC - Friendship Rd to Coldwater Creek	C4	C-045-SED-4	1120536.8	631272.0	Coarse	C10046	O	Disc	0	2.5	0.96	NA	NA	40,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C5	C-031-SED-4	1118913.5	639659.1	Coarse	C10005	O	Disc	2	12	0.19 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-048-SED-1	1118634.7	629192.4	Coarse	C10116	O	Disc	0	3	0.19 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-049-SED-4	1117792.7	628356.4	Gravel	C10323	O	Disc	0	2.5	0.076 J	NA	NA	500 U

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-051-SED-4	1117168.6	626749.9	Coarse	C10117	O	Disc	0	3.5	0.12 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-053-SED-2	1116687.2	625347.1	Coarse	C10118	O	Disc	0	3.5	0.060 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-054-SED-4	1115713.8	625424.2	Coarse	C10119	O	Disc	0	2	0.078 J	NA	NA	870
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-054-SED-4	1115713.8	625424.2	Coarse	C10120	O	Disc	2	4.5	0.083 J	NA	NA	550
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-056-SED-1	1113704.9	625498.7	Fine	C10144	O	Disc	0	2	0.62 J	NA	NA	3,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-056-SED-1	1113704.9	625498.7	Fine	C10145	O	Disc	2	12	3.7	NA	NA	28,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-056-SED-1	1113704.9	625498.7	Fine	C10146	FD	Disc	2	12	2.8	NA	NA	33,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-056-SED-1	1113704.9	625498.7	Fine	C10147	O	Disc	12	18	1.9	NA	NA	26,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-059-SED-3	1114215.9	622641.3	Coarse	C10121	O	Disc	0	2	0.099 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-059-SED-3	1114215.9	622641.3	Coarse	C10122	O	Disc	2	4	0.060 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-060-SED-2	1114788.9	621716.5	Fine	C10143	O	Disc	0	3	0.10 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-060-SED-4	1114794.2	621759.2	Coarse	C10123	O	Disc	0	2	0.057 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-060-SED-4	1114794.2	621759.2	Coarse	C10124	O	Disc	2	8.5	0.027 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-062-SED-3	1116248.2	620892.0	Fine	C10148	O	Disc	0	2	1.1	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-063-SED-1	1116113.5	621827.2	Coarse	C10125	O	Disc	0	2	0.11 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-063-SED-1	1116113.5	621827.2	Coarse	C10126	O	Disc	2	6.5	0.055 U	NA	NA	2,100
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-063-SED-1	1116113.5	621827.2	Coarse	C10142	FD	Disc	2	6.5	0.078 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-064-SED-1	1116323.7	622633.7	Coarse	C10127	O	Disc	0	2	0.11	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-065-SED-3	1117075.4	622162.3	Coarse	C10128	O	Disc	0	2	0.20 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-065-SED-3	1117075.4	622162.3	Coarse	C10129	O	Disc	2	7	0.071 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-066-SED-2	1117140.2	621291.5	Gravel	C10324	O	Disc	0	1.5	0.056 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-068-SED-1	1115737.9	619456.3	Coarse	C10130	O	Disc	0	3.5	0.19 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-070-SED-4	1114640.4	618074.1	Coarse	C10131	O	Disc	0	2.5	0.060 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C5	C-071-SED-1	1114401.4	617232.3	Fine	C10013	O	Disc	2	13	0.94 J	1.0 T	NA	12,000
RFI Sed	CC - Friendship Rd to Coldwater Creek	C6	C-031-SED-4	1118913.5	639659.1	Coarse	C10006	O	Disc	12	23.5	1.9 J	NA	NA	12,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C6	C-074-SED-1	1113404.2	615346.3	Coarse	C10132	O	Disc	0	3	0.10 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C6	C-082-SED-2	1110730.1	609523.4	Coarse	C10133	O	Disc	0	1.5	0.061 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C6	C-086-SED-3	1107285.1	608681.0	Coarse	C10134	O	Disc	0	2.5	0.14	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C6	C-092-SED-3	1107384.7	606120.5	Fine	C10149	O	Disc	0	2	1.2	NA	NA	15,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C6	C-092-SED-3	1107384.7	606120.5	Fine	C10150	O	Disc	2	4	8.1 J	NA	NA	18,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-097-SED-4	1110921.5	602809.8	Fine	C10151	O	Disc	0	2	0.35 J	NA	NA	33,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-097-SED-4	1110921.5	602809.8	Fine	C10152	O	Disc	2	7.5	0.85	NA	NA	31,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-099-SED-4	1112602.7	601880.0	Gravel	C10325	O	Disc	0	2	0.088 J	NA	NA	3,600
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-101-SED-1	1114364.3	600837.5	Fine	C10015	O	Disc	2	5.5	0.84 J	NA	NA	14,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-102-SED-4	1113692.4	600026.1	Fine	C10153	O	Disc	0	2	0.61	NA	NA	22,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-102-SED-4	1113692.4	600026.1	Fine	C10154	O	Disc	2	11.5	0.058 J	NA	NA	6,300
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-106-SED-3	1111122.6	601396.8	Coarse	C10135	O	Disc	0	2	0.053 U	NA	NA	3,400

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-106-SED-3	1111122.6	601396.8	Coarse	C10136	O	Disc	2	4.5	0.053 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-111-SED-2	1110993.0	597082.3	Coarse	C10137	O	Disc	0	2	0.055 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-111-SED-2	1110993.0	597082.3	Coarse	C10138	O	Disc	2	8.5	0.083 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-112-SED-2	1110730.6	595999.6	Coarse	C10157	O	Disc	0	2	0.090 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-113-SED-3	1110460.8	595149.6	Coarse	C10160	O	Disc	0	2.5	0.073 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-114-SED-1	1109709.2	594662.8	Fine	C10155	O	Disc	0	2	4.1	NA	NA	5,600
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-114-SED-1	1109709.2	594662.8	Fine	C10156	O	Disc	2	4	0.31 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-115-SED-1	1108632.9	594449.4	Coarse	C10139	O	Disc	0	2	0.31	NA	NA	19,000
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-115-SED-1	1108632.9	594449.4	Coarse	C10140	O	Disc	2	5	0.031 J	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-115-SED-2	1108638.1	594426.0	Coarse	C10141	O	Disc	0	1	0.085 U	NA	NA	500 U
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-118-SED-1	1106907.7	591775.1	Fine	C10158	O	Disc	0	2	0.095 U	NA	NA	2,400
RFI Sed	CC - Coldwater Creek to Cheaha Creek	C7	C-118-SED-1	1106907.7	591775.1	Fine	C10159	O	Disc	2	8.5	0.092 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C7	C-119-SED-2	1106381.7	590912.1	Coarse	C10161	O	Disc	0	2	0.079 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C7	C-119-SED-4	1106411.7	590881.5	Coarse	C10162	O	Disc	0	2	0.052 J	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C7	C-119-SED-4	1106411.7	590881.5	Coarse	C10163	O	Disc	2	5.5	0.41 J	NA	NA	8,400
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-120-SED-1	1105464.0	590221.3	Fine	C10019	O	Disc	2	12	0.083 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-120-SED-1	1105464.0	590221.3	Fine	C10020	O	Disc	12	22	0.083 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-121-SED-1	1105180.0	589214.9	Coarse	C10164	O	Disc	0	2	0.073 J	NA	NA	11,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-121-SED-1	1105180.0	589214.9	Coarse	C10165	O	Disc	2	7.5	0.088 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-121-SED-1	1105180.0	589214.9	Coarse	C10166	FD	Disc	2	7.5	0.090 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-121-SED-3	1105232.2	589223.3	Coarse	C10167	O	Disc	0	2	0.027 J	NA	NA	6,400
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-121-SED-3	1105232.2	589223.3	Coarse	C10168	O	Disc	2	5	0.084 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-122-SED-1	1105592.5	588142.0	Coarse	C10169	O	Disc	0	2.5	0.14 J	NA	NA	5,800
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-124-SED-3	1107357.7	587058.7	Coarse	C10170	O	Disc	0	2	0.12 J	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-124-SED-3	1107357.7	587058.7	Coarse	C10171	O	Disc	2	4	0.036 J	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-125-SED-1	1108014.2	586520.2	Fine	C10190	O	Disc	0	2.5	2.0	NA	NA	18,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-126-SED-1	1107737.9	585691.1	Fine	C10191	O	Disc	0	2	1.7	NA	NA	43,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-126-SED-1	1107737.9	585691.1	Fine	C10192	O	Disc	2	5	1.3	NA	NA	8,700
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-128-SED-2	1106139.1	585892.6	Coarse	C10172	O	Disc	0	2	0.083 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-128-SED-2	1106139.1	585892.6	Coarse	C10173	O	Disc	2	4	0.080 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-130-SED-3	1106024.3	584442.2	Coarse	C10174	O	Disc	0	2.5	0.21 J	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-130-SED-4	1106049.5	584461.5	Coarse	C10175	O	Disc	0	2	0.026 J	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-130-SED-4	1106049.5	584461.5	Coarse	C10176	O	Disc	2	6	0.080 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-131-SED-1	1106874.0	583756.0	Fine	C10193	O	Disc	0	2	0.95	NA	NA	23,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-131-SED-1	1106874.0	583756.0	Fine	C10194	O	Disc	2	13.5	0.077 J	NA	NA	2,700
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-132-SED-2	1107413.0	583768.0	Coarse	C10177	O	Disc	0	2	1.2 J	NA	NA	35,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-132-SED-2	1107413.0	583768.0	Coarse	C10178	O	Disc	2	12	0.078 U	NA	NA	500 U

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-132-SED-3	1107412.3	583800.0	Coarse	C10179	O	Disc	0	2	2.6 J	NA	NA	60,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-132-SED-3	1107412.3	583800.0	Coarse	C10180	O	Disc	2	7	2.3	NA	NA	20,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-133-SED-4	1108641.5	583692.1	Fine	C10195	O	Disc	0	3	1.2	NA	NA	19,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-135-SED-1	1110488.7	582348.0	Fine	C10196	O	Disc	0	2	1.2	NA	NA	27,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-136-SED-2	1110368.0	581159.0	Coarse	C10181	O	Disc	0	2	1.9	NA	NA	27,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-136-SED-2	1110368.0	581159.0	Coarse	C10182	O	Disc	2	8.5	0.60	NA	NA	7,500
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-136-SED-2	1110368.0	581159.0	Coarse	C10183	FD	Disc	2	8.5	0.94	NA	NA	17,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-1	1109376.3	581423.7	Fine	C10197	O	Disc	0	2	1.4	NA	NA	32,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-1	1109376.3	581423.7	Fine	C10198	O	Disc	2	8.5	1.5	NA	NA	22,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-2	1109375.3	581383.9	Fine	C10199	O	Disc	0	2	0.76	NA	NA	13,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-2	1109375.3	581383.9	Fine	C10200	O	Disc	2	8	0.18 J	NA	NA	16,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-3	1109374.3	581342.7	Fine	C10201	O	Disc	0	2	0.36 J	NA	NA	29,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-3	1109374.3	581342.7	Fine	C10202	O	Disc	2	12	0.069 U	NA	NA	500 UJ
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-3	1109374.3	581342.7	Fine	C10203	O	Disc	12	16.5	0.078 U	NA	NA	10,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-3	1109374.3	581342.7	Fine	C10204	FD	Disc	2	12	0.071 U	NA	NA	1,900
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-4	1109373.3	581302.3	Fine	C10205	O	Disc	0	2	1.2	NA	NA	25,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-4	1109373.3	581302.3	Fine	C10206	O	Disc	2	12	0.47	NA	NA	6,600
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-137-SED-4	1109373.3	581302.3	Fine	C10207	O	Disc	12	16	0.072 U	NA	NA	500 UJ
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-138-SED-1	1108668.0	581626.8	Fine	C10208	O	Disc	0	2	1.6	NA	NA	27,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-138-SED-1	1108668.0	581626.8	Fine	C10209	O	Disc	2	5.5	1.7	NA	NA	25,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-138-SED-3	1108657.3	581547.8	Coarse	C10184	O	Disc	0	2	0.29 J	NA	NA	5,300
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-138-SED-3	1108657.3	581547.8	Coarse	C10185	O	Disc	2	10	0.056 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-139-SED-3	1107370.5	581248.7	Fine	C10210	O	Disc	0	2	0.69	NA	NA	14,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-139-SED-3	1107370.5	581248.7	Fine	C10211	O	Disc	2	12	0.21 J	NA	NA	3,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-139-SED-3	1107370.5	581248.7	Fine	C10212	O	Disc	12	24	0.080 U	NA	NA	500 UJ
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-139-SED-3	1107370.5	581248.7	Fine	C10213	O	Disc	24	27.5	0.081 U	NA	NA	500 UJ
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-139-SED-4	1107396.5	581229.1	Fine	C10214	O	Disc	0	2	2.1	NA	NA	22,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-139-SED-4	1107396.5	581229.1	Fine	C10215	O	Disc	2	7	1.6	NA	NA	30,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-140-SED-1	1106796.5	580821.4	Fine	C10216	O	Disc	0	2	1.8	NA	NA	25,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-140-SED-1	1106796.5	580821.4	Fine	C10217	O	Disc	2	7.5	1.3	NA	NA	19,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-141-SED-2	1106695.0	580168.6	Fine	C10218	O	Disc	0	2	0.82	NA	NA	24,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-141-SED-2	1106695.0	580168.6	Fine	C10219	O	Disc	2	13.5	0.10 U	NA	NA	12,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-141-SED-4	1106758.2	580188.2	Coarse	C10186	O	Disc	0	2	0.94	NA	NA	31,000
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-141-SED-4	1106758.2	580188.2	Coarse	C10187	O	Disc	2	12	0.34	NA	NA	8,300
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-141-SED-4	1106758.2	580188.2	Coarse	C10188	O	Disc	12	24	0.053 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C8	C-141-SED-4	1106758.2	580188.2	Coarse	C10189	O	Disc	24	31.5	0.058 U	NA	NA	500 U
RFI Sed	CC - Cheaha Creek to Jackson Shoals	C9	C-134-SED-2	1109455.8	582999.4	Coarse	C10017	O	Disc	2	10	0.081 U	NA	NA	500 U

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Jackson Shoals	C9	C-142-SED-3	1107649.9	579120.3	Coarse	C10220	O	Disc	0	2	0.49 J	NA	NA	14,000
RFI Sed	CC - Jackson Shoals	C9	C-142-SED-3	1107649.9	579120.3	Coarse	C10221	O	Disc	2	12	0.082 U	NA	NA	11,000
RFI Sed	CC - Jackson Shoals	C9	C-142-SED-3	1107649.9	579120.3	Coarse	C10222	FD	Disc	2	12	0.22 J	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-142-SED-4	1107690.3	579145.7	Fine	C10233	O	Disc	0	2	0.84	NA	NA	23,000
RFI Sed	CC - Jackson Shoals	C9	C-142-SED-4	1107690.3	579145.7	Fine	C10234	O	Disc	2	12	0.54 J	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-142-SED-4	1107690.3	579145.7	Fine	C10235	O	Disc	12	24	0.088 U	NA	NA	9,000
RFI Sed	CC - Jackson Shoals	C9	C-142-SED-4	1107690.3	579145.7	Fine	C10236	O	Disc	24	27.5	0.093 U	NA	NA	7,400
RFI Sed	CC - Jackson Shoals	C9	C-145-SED-1	1108727.1	576564.8	Coarse	C10223	O	Disc	0	2	0.076 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-145-SED-1	1108727.1	576564.8	Coarse	C10224	O	Disc	2	8	0.077 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-147-SED-1	1110103.5	575107.6	Coarse	C10225	O	Disc	0	2	0.021 J	NA	NA	870
RFI Sed	CC - Jackson Shoals	C9	C-147-SED-1	1110103.5	575107.6	Coarse	C10226	O	Disc	2	4	0.074 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-147-SED-2	1110082.1	575085.1	Fine	C10237	O	Disc	0	2	0.35	NA	NA	16,000
RFI Sed	CC - Jackson Shoals	C9	C-147-SED-2	1110082.1	575085.1	Fine	C10238	O	Disc	2	6	0.34	NA	NA	9,300
RFI Sed	CC - Jackson Shoals	C9	C-147-SED-3	1110061.4	575063.4	Coarse	C10227	O	Disc	0	2	0.14 J	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-147-SED-3	1110061.4	575063.4	Coarse	C10228	O	Disc	2	10	0.082 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-148-SED-2	1110569.5	574514.1	Fine	C10239	O	Disc	0	2	0.10 J	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-148-SED-2	1110569.5	574514.1	Fine	C10240	O	Disc	2	6.5	0.085 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals	C9	C-148-SED-3	1110591.0	574524.9	Fine	C10241	O	Disc	0	2	0.082 U	NA	NA	4,400
RFI Sed	CC - Jackson Shoals	C9	C-148-SED-3	1110591.0	574524.9	Fine	C10242	O	Disc	2	12.5	0.089 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals	C9	C-148-SED-3	1110591.0	574524.9	Fine	C10243	FD	Disc	2	12.5	0.089 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals	C9	C-148-SED-4	1110630.3	574544.5	Fine	C10021	O	Disc	0	2	0.13 U	0.71 T	NA	35,000
RFI Sed	CC - Jackson Shoals	C9	C-148-SED-4	1110630.3	574544.5	Fine	C10022	O	Disc	2	6	0.92	0.43 T	NA	17,000
RFI Sed	CC - Jackson Shoals	C9	C-150-SED-1	1110424.3	573056.8	Gravel	C10326	O	Disc	0	2.5	0.058 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals	C9	C-151-SED-3	1109618.2	571993.7	Coarse	C10229	O	Disc	0	2	0.032 J	NA	NA	1,800
RFI Sed	CC - Jackson Shoals	C9	C-151-SED-3	1109618.2	571993.7	Coarse	C10230	O	Disc	2	12	0.098 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-151-SED-3	1109618.2	571993.7	Coarse	C10231	O	Disc	12	21	0.11 U	NA	NA	500 UJ
RFI Sed	CC - Jackson Shoals	C9	C-153-SED-2	1110477.8	570933.9	Fine	C10244	O	Disc	0	2	0.092 U	NA	NA	16,000
RFI Sed	CC - Jackson Shoals	C9	C-153-SED-2	1110477.8	570933.9	Fine	C10245	O	Disc	2	6	0.10 U	NA	NA	13,000
RFI Sed	CC - Jackson Shoals	C9	C-153-SED-4	1110502.4	571058.6	Gravel	C10327	O	Disc	0	2.5	0.16 J	NA	NA	7,100
RFI Sed	CC - Jackson Shoals	C9	C-154-SED-1	1111383.8	570524.6	Coarse	C10232	O	Disc	0	3	0.048 J	NA	NA	4,500
RFI Sed	CC - Jackson Shoals to LLM	C9	C-157-SED-1	1112925.3	568397.9	Fine	C10256	O	Disc	0	2	0.17	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C9	C-157-SED-1	1112925.3	568397.9	Fine	C10257	O	Disc	2	6	0.28 J	NA	NA	8,400
RFI Sed	CC - Jackson Shoals to LLM	C9	C-157-SED-2	1112986.1	568393.7	Fine	C10023	O	Disc	0	2	0.087 J	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C9	C-157-SED-2	1112986.1	568393.7	Fine	C10024	O	Disc	2	12	0.14 J	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C9	C-157-SED-2	1112986.1	568393.7	Fine	C10025	O	Disc	12	24.5	0.078 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C9	C-157-SED-2	1112986.1	568393.7	Fine	C10026	FD	Disc	2	12	0.12 J	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C9	C-158-SED-3	1113117.0	567433.3	Coarse	C10246	O	Disc	0	2	0.48 J	NA	NA	26,000

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RFI Sed	CC - Jackson Shoals to LLM	C9	C-158-SED-3	1113117.0	567433.3	Coarse	C10247	O	Disc	2	12	0.059 U	NA	NA	500 U
RFI Sed	CC - Jackson Shoals to LLM	C9	C-158-SED-3	1113117.0	567433.3	Coarse	C10248	O	Disc	12	19	0.65	NA	NA	9,600
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-1	1117107.1	561911.3	Fine	C20065	O	Disc	0	2	0.32	NA	NA	17,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-2	1117013.3	562322.7	Fine	C20066	O	Disc	0	2	0.52	1.2	NA	28,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-2	1117013.3	562322.7	Fine	C20078	FD	Disc	0	2	0.59	1.1	NA	27,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-3	1116857.1	562786.3	Fine	C20067	O	Disc	0	2	2.7	1.7	NA	54,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-4	1116723.5	563241.8	Fine	C20068	O	Disc	0	2	0.36	NA	NA	23,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-5	1116752.9	561713.3	Coarse	C20069	O	Disc	0	2	0.38	0.57	NA	16,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-6	1116314.4	563252.3	Fine	C20070	O	Disc	0	2	0.42	0.75	NA	24,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-7	1116430.0	561614.4	Coarse	C20071	O	Disc	0	2	0.54 J	NA	NA	23,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-8	1116263.3	562062.3	Fine	C20072	O	Disc	0	2	1.5	NA	NA	36,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-9	1116023.7	562697.7	Fine	C20073	O	Disc	0	2	0.75	0.78	NA	23,000
RFI Surface Sed	CC - Jackson Shoals to LLM	C10	STA-35-10	1115773.7	563562.3	Fine	C20074	O	Disc	0	2	0.34	NA	NA	17,000
RFI Surface Sed	CC - Friendship Rd to Coldwater Creek	C4	ADEM 96-1	1120533.7	631269.2	Coarse	C20011	O	Disc	0	2	0.17	1.4 J	NA	500 U
RFI Surface Sed	CC - Friendship Rd to Coldwater Creek	C4	ADEM 96-2	1120470.1	631251.0	Coarse	C20012	O	Disc	0	2	0.48 J	NA	NA	2,400
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C4	ADEM 96-3	1120382.1	630898.9	Coarse	C20013	O	Disc	0	2	0.19 J	NA	NA	980
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C4	ADEM 96-4	1120323.3	630925.5	Coarse	C20014	O	Disc	0	2	0.096 U	1.4 J	NA	500 U
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C4	ADEM 96-5	1120203.0	630673.9	Fine	C20016	O	Disc	0	2	0.24 J	0.34 J	NA	1,400
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C4	ADEM 96-6	1120143.6	630710.4	Coarse	C20015	O	Disc	0	2	0.060 J	NA	NA	500 U
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C5	ADEM 96-7	1120042.5	630470.8	Coarse	C20017	O	Disc	0	2	0.084 J	NA	NA	2,400
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C5	ADEM 96-8	1119976.9	630473.4	Coarse	C20018	O	Disc	0	2	0.25 J	0.65 J	NA	1,900
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C5	ADEM 96-9	1119936.3	630262.5	Fine	C20019	O	Disc	0	2	0.21	0.49 J	NA	7,300
RFI Surface Sed	CC - Coldwater Creek to Cheaha Creek	C5	ADEM 96-10	1119870.7	630305.2	Fine	C20020	O	Disc	0	2	1.2	NA	NA	21,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C7	NEW 99-1	1106400.4	590894.7	Coarse	C20001	O	Disc	0	2	0.25	0.47 J	NA	14,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C7	NEW 99-2	1106369.4	590926.2	Coarse	C20002	O	Disc	0	2	0.22	NA	NA	22,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C7	NEW 99-3	1106036.2	590632.0	Fine	C20003	O	Disc	0	2	2.7	NA	NA	18,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C7	NEW 99-4	1105991.7	590668.4	Fine	C20004	O	Disc	0	2	1.1	1.3 J	NA	28,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C8	NEW 99-5	1105523.5	590171.5	Coarse	C20005	O	Disc	0	2	0.066 J	0.27 J	NA	4,900
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C8	NEW 99-6	1105473.5	590211.9	Fine	C20006	O	Disc	0	2	0.32	NA	NA	12,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C8	NEW 99-7	1105296.6	589785.7	Coarse	C20007	O	Disc	0	2	0.24	NA	NA	10,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C8	NEW 99-8	1105247.1	589788.3	Fine	C20008	O	Disc	0	2	0.38	1.3 J	NA	58,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C8	NEW 99-9	1105246.9	589222.9	Fine	C20009	O	Disc	0	2	0.78	0.90 J	NA	30,000
RFI Surface Sed	CC - Cheaha Creek to Jackson Shoals	C8	NEW 99-10	1105190.9	589212.5	Fine	C20010	O	Disc	0	2	0.51 J	NA	NA	19,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-01	1128765.6	659021.1	Fine	C10500	O	Disc	0	2	0.054 U	NA	NA	2,830
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-01	1128765.6	659021.1	Fine	C10501	O	Disc	2	12	0.050 U	NA	NA	14,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-01	1128765.6	659021.1	Fine	C10502	O	Disc	12	24	0.056 U	NA	NA	25,200
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-02	1128773.7	659018.9	Coarse	C10503	O	Disc	0	2	0.038 U	NA	NA	2,960

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-02	1128773.7	659018.9	Coarse	C10504	O	Disc	2	12	0.039 U	NA	NA	765
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-02	1128773.7	659018.9	Coarse	C10505	O	Disc	12	24	0.052	NA	NA	3,450
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-02	1128773.7	659018.9	Coarse	C10506	O	Disc	24	27	0.039 U	NA	NA	710
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-03	1128781.8	659016.8	Coarse	C10507	O	Disc	0	3	0.038 U	NA	NA	682
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-04	1128789.9	659014.6	Fine	C10508	O	Disc	0	2	0.046 U	NA	NA	15,900
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-005-04	1128789.9	659014.6	Fine	C10509	O	Disc	2	6	0.045 U	NA	NA	13,800
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-01	1128786.7	659408.3	Coarse	C10510	O	Disc	0	2	0.044 U	NA	NA	16,500
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-01	1128786.7	659408.3	Coarse	C10511	O	Disc	2	12	0.040 U	NA	NA	3,720
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-01	1128786.7	659408.3	Coarse	C10512	O	Disc	12	24	0.041 U	NA	NA	920
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-01	1128786.7	659408.3	Coarse	C10513	O	Disc	24	33	0.044 U	NA	NA	3,510
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-02	1128797.2	659405.9	Coarse	C10514	O	Disc	0	2	0.047 U	NA	NA	1,870
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-02	1128797.2	659405.9	Coarse	C10515	O	Disc	2	12	0.043 U	NA	NA	806
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-02	1128797.2	659405.9	Coarse	C10516	O	Disc	12	24	0.041 U	NA	NA	957
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-02	1128797.2	659405.9	Coarse	C10517	O	Disc	24	36	0.052 U	NA	NA	8,440
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-02	1128797.2	659405.9	Coarse	C10518	O	Disc	36	43	0.041 U	NA	NA	2,980
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-03	1128807.8	659403.5	Coarse	C10519	O	Disc	0	2	0.040 U	0.011 UJ	0.0000664	1,140
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-03	1128807.8	659403.5	Coarse	C10520	O	Disc	2	12	0.041 U	0.011 U	0.0000817	738
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-03	1128807.8	659403.5	Coarse	C10521	O	Disc	12	24	0.040 U	0.012 UJ	0.000437	857
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-03	1128807.8	659403.5	Coarse	C10522	O	Disc	24	36	0.28 J	0.054 J	0.00074	1,020
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-03	1128807.8	659403.5	Coarse	C10523	O	Disc	36	48	500	66 J	NA	10,200
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-03	1128807.8	659403.5	Coarse	C10524	O	Disc	48	54	0.046 U	0.015 UJ	0.000959	5,980
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-03	1128807.8	659403.5	Coarse	C10525	FD	Disc	12	24	0.041 U	0.011 UJ	0.00019	1,490
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-04	1128818.3	659401.1	Coarse	C10526	O	Disc	0	2	0.043 U	NA	NA	1,660
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-04	1128818.3	659401.1	Coarse	C10527	O	Disc	2	12	0.039 U	NA	NA	2,170
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-04	1128818.3	659401.1	Coarse	C10528	O	Disc	12	24	0.26	NA	NA	17,800
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-006-04	1128818.3	659401.1	Coarse	C10529	O	Disc	24	32	0.067	NA	NA	31,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-01	1128779.1	660068.1	Coarse	C10530	O	Disc	0	2	0.048 U	NA	NA	4,350
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-01	1128779.1	660068.1	Coarse	C10531	O	Disc	2	6	0.043 U	NA	NA	1,070
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-02	1128784.5	660074.6	Coarse	C10532	O	Disc	0	2	0.064 U	NA	NA	6,180
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-02	1128784.5	660074.6	Coarse	C10533	O	Disc	2	12	0.18 U	NA	NA	79,600
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-02	1128784.5	660074.6	Coarse	C10534	O	Disc	12	15	0.10 U	NA	NA	76,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-03	1128789.9	660081.0	Coarse	C10535	O	Disc	0	2	0.041 U	NA	NA	2,410
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-03	1128789.9	660081.0	Coarse	C10536	O	Disc	2	12	0.040 U	NA	NA	1,310
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-03	1128789.9	660081.0	Coarse	C10537	O	Disc	12	24	0.040 U	NA	NA	858
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-03	1128789.9	660081.0	Coarse	C10538	O	Disc	24	26	0.046 U	NA	NA	25,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-04	1128795.3	660087.5	Coarse	C10539	O	Disc	0	2	0.041 U	NA	NA	1,690
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-04	1128795.3	660087.5	Coarse	C10540	O	Disc	2	12	0.043 U	NA	NA	1,470

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-04	1128795.3	660087.5	Coarse	C10541	O	Disc	12	24	0.041 U	NA	NA	1,080
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-04	1128795.3	660087.5	Coarse	C10542	O	Disc	24	27	0.041 U	NA	NA	2,450
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-007-04	1128795.3	660087.5	Coarse	C10543	FD	Disc	12	24	0.041 U	NA	NA	2,160
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-01	1128217.6	658547.0	Fine	C10544	O	Disc	0	2	0.041 U	NA	NA	1,430
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-01	1128217.6	658547.0	Fine	C10545	O	Disc	2	12	0.040 U	NA	NA	964
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-01	1128217.6	658547.0	Fine	C10546	O	Disc	12	19	0.041 U	NA	NA	892
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-02	1128219.2	658551.6	Fine	C10547	O	Disc	0	2	0.041 U	NA	NA	1,050
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-02	1128219.2	658551.6	Fine	C10548	O	Disc	2	12	0.039 U	NA	NA	1,570
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-02	1128219.2	658551.6	Fine	C10549	O	Disc	12	24	0.040 U	NA	NA	2,120
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-02	1128219.2	658551.6	Fine	C10550	O	Disc	24	26	0.041 U	NA	NA	999
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-02	1128219.2	658551.6	Fine	C10551	FD	Disc	12	24	0.039 U	NA	NA	1,090
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-03	1128288.1	658771.8	Fine	C10552	O	Disc	0	2	20 J	47 J	NA	12,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-03	1128288.1	658771.8	Fine	C10553	O	Disc	2	12	150	96 J	NA	30,500
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-03	1128288.1	658771.8	Fine	C10554	O	Disc	12	24	370 J	41 J	NA	39,400
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-03	1128288.1	658771.8	Fine	C10555	O	Disc	24	31	23	1.6 J	NA	32,200
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-04	1128290.6	658779.4	Fine	C10556	O	Disc	0	2	3.9 J	NA	NA	17,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-04	1128290.6	658779.4	Fine	C10557	O	Disc	2	12	1.3	NA	NA	16,500
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-04	1128290.6	658779.4	Fine	C10558	O	Disc	12	24	0.049 U	NA	NA	15,400
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-008-04	1128290.6	658779.4	Fine	C10559	O	Disc	24	26	0.047 U	NA	NA	11,400
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-01	1127867.4	659106.5	Fine	C10560	O	Disc	0	2	0.043 U	NA	NA	2,440
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-01	1127867.4	659106.5	Fine	C10561	O	Disc	2	12	0.041 U	NA	NA	3,450
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-01	1127867.4	659106.5	Fine	C10562	O	Disc	12	22	0.045 U	NA	NA	12,900
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-02	1127877.2	659108.6	Fine	C10563	O	Disc	0	2	37	NA	NA	18,600
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-02	1127877.2	659108.6	Fine	C10564	O	Disc	2	12	82	NA	NA	31,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-02	1127877.2	659108.6	Fine	C10565	O	Disc	12	24	34	NA	NA	14,900
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-02	1127877.2	659108.6	Fine	C10566	O	Disc	24	34	0.46 J	NA	NA	11,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-02	1127877.2	659108.6	Fine	C10567	FD	Disc	12	24	37	NA	NA	17,700
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-03	1127887.0	659110.6	Fine	C10568	O	Disc	0	2	4.8	NA	NA	19,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-03	1127887.0	659110.6	Fine	C10569	O	Disc	2	12	1.0	NA	NA	9,960
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-03	1127887.0	659110.6	Fine	C10570	O	Disc	12	23	0.042 U	NA	NA	3,590
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-04	1128054.9	659070.3	Fine	C10600	O	Disc	0	2	3.7 J	NA	NA	27,800
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-04	1128054.9	659070.3	Fine	C10601	O	Disc	2	12	6.2 J	NA	NA	29,300
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-04	1128054.9	659070.3	Fine	C10602	O	Disc	12	19	1.2	NA	NA	22,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-009-04	1128054.9	659070.3	Fine	C10603	FD	Disc	12	19	5.6 J	NA	NA	25,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-01	1127711.6	659575.8	Coarse	C10571	O	Disc	0	2	0.052 U	0.040 B	0.000706	7,850
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-01	1127711.6	659575.8	Coarse	C10572	O	Disc	2	12	6.4 J	2.2	NA	14,300
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-01	1127711.6	659575.8	Coarse	C10573	O	Disc	12	24	0.75	0.17	0.00129	18,900

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-01	1127711.6	659575.8	Coarse	C10574	O	Disc	24	36	0.21 J	0.012 U	0.000211	7,280
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-01	1127711.6	659575.8	Coarse	C10575	O	Disc	36	44	0.11 J	0.013 B	0.000445	1,750
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-02	1127719.3	659582.3	Coarse	C10576	O	Disc	0	2	0.82	NA	NA	15,300
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-02	1127719.3	659582.3	Coarse	C10577	O	Disc	2	12	0.12 J	NA	NA	3,510
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-02	1127719.3	659582.3	Coarse	C10578	O	Disc	12	24	0.039 U	NA	NA	1,520
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-03	1127726.9	659588.7	Fine	C10579	O	Disc	0	2	0.31	NA	NA	21,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-03	1127726.9	659588.7	Fine	C10580	O	Disc	2	12	0.26 J	NA	NA	15,800
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-03	1127726.9	659588.7	Fine	C10581	O	Disc	12	20	0.039 U	NA	NA	10,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-04	1128005.9	660002.9	Fine	C10604	O	Disc	0	2	1.7	NA	NA	52,200
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-04	1128005.9	660002.9	Fine	C10605	O	Disc	2	12	0.26 J	NA	NA	17,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-010-04	1128005.9	660002.9	Fine	C10606	O	Disc	12	21.6	0.048 U	NA	NA	11,500
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-01	1127139.8	659743.4	Fine	C10582	O	Disc	0	2	0.046 U	NA	NA	28,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-01	1127139.8	659743.4	Fine	C10583	O	Disc	2	12	0.056 U	NA	NA	26,400
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-01	1127139.8	659743.4	Fine	C10584	O	Disc	12	18	0.053 U	NA	NA	20,700
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-02	1127144.2	659752.4	Coarse	C10585	O	Disc	0	2	0.046 U	NA	NA	1,260
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-02	1127144.2	659752.4	Coarse	C10586	O	Disc	2	12	0.047 U	NA	NA	4,180
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-02	1127144.2	659752.4	Coarse	C10587	O	Disc	12	24	0.042 U	NA	NA	1,070
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-02	1127144.2	659752.4	Coarse	C10588	O	Disc	24	36	0.047 U	NA	NA	12,700
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-02	1127144.2	659752.4	Coarse	C10589	O	Disc	36	41	0.050 U	NA	NA	19,900
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-03	1127148.6	659761.3	Fine	C10590	O	Disc	0	2	0.060 U	NA	NA	8,900
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-03	1127148.6	659761.3	Fine	C10591	O	Disc	2	12	0.059 U	NA	NA	16,700
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-03	1127148.6	659761.3	Fine	C10592	O	Disc	12	24	0.061 U	NA	NA	24,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-03	1127148.6	659761.3	Fine	C10593	O	Disc	24	36	0.095 J	NA	NA	29,700
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-03	1127148.6	659761.3	Fine	C10594	O	Disc	36	40	0.056 U	NA	NA	23,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-03	1127148.6	659761.3	Fine	C10595	FD	Disc	12	24	0.056 U	NA	NA	30,400
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-04	1127153.1	659770.3	Fine	C10596	O	Disc	0	2	0.054 U	NA	NA	21,100
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-04	1127153.1	659770.3	Fine	C10597	O	Disc	2	12	0.062 U	NA	NA	23,700
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-04	1127153.1	659770.3	Fine	C10598	O	Disc	12	24	0.053 U	NA	NA	38,000
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-011-04	1127153.1	659770.3	Fine	C10599	O	Disc	24	35	0.050 U	NA	NA	29,300
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10607	O	Disc	0	0.5	3.6	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10608	O	Disc	0.5	1	3.8	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10609	O	Disc	1	2	5.2	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10610	O	Disc	2	4	0.67	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10611	O	Disc	6	8	0.055 U	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10612	O	Disc	10	12	0.046 U	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10613	O	Disc	14	16	0.26	NA	NA	N/A

Table 4-6. OU-4 Sediment PCB, Mercury, and TEQ Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Dataset	Reach	Eco EU	Location ID	Northing	Easting	Sed Class	Sample Name	QA Type	Sample Type	Depth Top (in)	Depth Bottom (in)	Total PCBs[1,2] (mg/kg)	Hg (mg/kg)	Total TEQ ND=0 (µg/kg)	TOC (mg/kg)
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-01	1127882.1	659109.6	Fine	C10614	O	Disc	18	20	0.042 U	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10615	O	Disc	0	0.5	21 J	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10616	O	Disc	0.5	1	19 J	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10617	O	Disc	1	2	13 J	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10618	O	Disc	2	4	1.3 J	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10619	O	Disc	6	8	190	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10620	O	Disc	10	12	260	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10621	O	Disc	14	16	290	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10622	O	Disc	18	20	920	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10623	O	Disc	22	24	170	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10624	O	Disc	26	28	15	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	C2	CU-GEO-02	1128287.4	658770.0	Fine	C10625	O	Disc	30	32	0.31	NA	NA	N/A
RI/FS - OU-4 Sed (P1)	CC - Jackson Shoals to LLM	NA	HHFL-01	1113816.0	566707.5	NA	C10626	O	Comp	0	6	0.17	0.15 J	NA	3,690 J
RI/FS - OU-4 Sed (P1)	CC - Jackson Shoals	NA	HHFL-02	1109161.4	575867.5	NA	C10627	O	Comp	0	6	0.080	0.092 J	NA	1,090 U
RI/FS - OU-4 Sed (P1)	CC - Coldwater Creek to Cheaha Creek	NA	HHFL-03	1107179.2	592157.3	NA	C10628	O	Comp	0	6	0.79	0.49 J	NA	12,300
RI/FS - OU-4 Sed (P1)	CC - Coldwater Creek to Cheaha Creek	NA	HHFL-04	1110630.5	603378.3	NA	C10629	O	Comp	0	6	1.3	0.38 J	NA	3,640 J
RI/FS - OU-4 Sed (P1)	CC - Coldwater Creek to Cheaha Creek	NA	HHFL-05	1114068.9	623445.8	NA	C10630	O	Comp	0	6	0.24 J	0.55 J	NA	2,720 J
RI/FS - OU-4 Sed (P1)	CC - Coldwater Creek to Cheaha Creek	NA	HHFL-05	1114068.9	623445.8	NA	C10631	FD	Comp	0	6	0.22	0.47 J	NA	1,880
RI/FS - OU-4 Sed (P1)	CC - Friendship Rd to Coldwater Creek	NA	HHFL-06	1121161.7	633997.4	NA	C10632	O	Comp	0	6	0.58	1.2 J	NA	1,390
RI/FS - OU-4 Sed (P1)	CC - Friendship Rd to Coldwater Creek	NA	HHFL-07	1122228.8	651769.6	NA	C10633	O	Comp	0	6	0.95	1.3 J	NA	1,310
RI/FS - OU-4 Sed (P1)	CC - Friendship Rd to Coldwater Creek	NA	HHFL-08	1127724.2	657596.6	NA	C10634	O	Comp	0	6	150 J	2.9 J	NA	19,700 J
RI/FS - OU-4 Sed (P1)	CC - Backwater Area[3]	NA	HHFL-09	1130071.5	658690.9	NA	C10635	O	Comp	0	6	1.1 J	2.0 J	NA	4,040
Phase 3 Sed	Floodplain Pond in C3N	NA	FPP-01-01	1125023.9	653881.2	NA	P10001	O	Comp	0	6	1.3 J	NA	NA	12,000

1. Total PCB results were calculated as the sum of detected Aroclors. If all the results were nondetect, then the highest individual reporting limit (e.g., for a single Aroclor) was used.
2. Total PCB results were reported to two significant figures.
3. CC - Backwater Area is upstream of Friendship Rd

B: Indicates an estimated value between the instrument detection limit and the reporting limit.
CC: Choccolocco Creek
Comp: Composite
Disc. Discrete
Eco: ecological
EU: exposure unit
FD: field duplicate
Hg: mercury
ID: identification
in: inches
J: The associated numerical value is an estimated concentration only.
LLM: Lake Logan Martin
mg/kg: milligram(s) per kilogram
µg/kg: microgram(s) per kilogram
NA: not applicable
ND: nondetect
O: original
OU: operable unit
P1: Phase 1
PCB: polychlorinated biphenyl
QA: quality assurance
RFI: Resource Conservation and Recovery Act (RCRA) Facility Investigation
RI/FS: remedial investigation/feasibility study
Sed: sediment
TOC: total organic carbon
TEQ: toxic equivalent
U: The compound was analyzed for but not detected.
The associated value is the quantitaction limit.
-: not analyzed

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	PCB Aroclor	Aroclor-1016	mg/kg	584	0	NA	NA	NA
Choccolocco Creek	PCB Aroclor	Aroclor-1221	mg/kg	584	0	NA	NA	NA
Choccolocco Creek	PCB Aroclor	Aroclor-1232	mg/kg	584	65	0.0084	810	50
Choccolocco Creek	PCB Aroclor	Aroclor-1242	mg/kg	584	163	0.010	100	1.1
Choccolocco Creek	PCB Aroclor	Aroclor-1248	mg/kg	584	91	0.017	3.2	0.36
Choccolocco Creek	PCB Aroclor	Aroclor-1254	mg/kg	584	335	0.0085	110	1.1
Choccolocco Creek	PCB Aroclor	Aroclor-1260	mg/kg	584	354	0.0050	170	2.1
Choccolocco Creek	PCB Aroclor	Aroclor-1262	mg/kg	193	0	NA	NA	NA
Choccolocco Creek	PCB Aroclor	Aroclor-1268	mg/kg	197	17	0.041	26	1.7
Choccolocco Creek	PCB Aroclor	Total PCBs	mg/kg	584	387	0.021	920	12
Choccolocco Creek	PCB Homolog	Total Monochlorobiphenyl	mg/kg	24	24	0.00066	1.4	0.12
Choccolocco Creek	PCB Homolog	Total Dichlorobiphenyl	mg/kg	24	24	0.0026	1.1	0.18
Choccolocco Creek	PCB Homolog	Total trichlorobiphenyl	mg/kg	22	22	0.0073	1.2	0.18
Choccolocco Creek	PCB Homolog	Total Tetrachlorobiphenyl	mg/kg	24	24	0.0022	1.2	0.22
Choccolocco Creek	PCB Homolog	Total Pentachlorobiphenyl	mg/kg	24	24	0.0014	0.89	0.18
Choccolocco Creek	PCB Homolog	Total Hexachlorobiphenyl	mg/kg	24	24	0.00099	1.1	0.17
Choccolocco Creek	PCB Homolog	Total Heptachlorobiphenyl	mg/kg	24	24	0.00061	0.67	0.098
Choccolocco Creek	PCB Homolog	Total Octachlorobiphenyl	mg/kg	24	20	0.00059	0.27	0.042
Choccolocco Creek	PCB Homolog	Total Nonachlorobiphenyl	mg/kg	24	20	0.00082	0.083	0.021
Choccolocco Creek	PCB Homolog	Decachlorobiphenyl	mg/kg	22	19	0.00037	0.041	0.0081
Choccolocco Creek	PCB Homolog Total	Total Homolog PCBs (Max DL)	mg/kg	24	24	0.044	4.5	1.2
Choccolocco Creek	PCB Congener	BZ#77	mg/kg	24	0	NA	NA	NA
Choccolocco Creek	PCB Congener	BZ#81	mg/kg	24	0	NA	NA	NA
Choccolocco Creek	PCB Congener	BZ#105	mg/kg	24	10	0.0028	0.047	0.027
Choccolocco Creek	PCB Congener	BZ#114	mg/kg	24	0	NA	NA	NA
Choccolocco Creek	PCB Congener	BZ#118	mg/kg	24	14	0.0017	0.098	0.040

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	PCB Congener	BZ#123	mg/kg	24	0	NA	NA	NA
Choccolocco Creek	PCB Congener	BZ#126	mg/kg	24	2	0.0064	0.012	0.0092
Choccolocco Creek	PCB Congener	BZ#153	mg/kg	24	14	0.0044	0.14	0.061
Choccolocco Creek	PCB Congener	BZ#156	mg/kg	24	9	0.0035	0.017	0.0093
Choccolocco Creek	PCB Congener	BZ#157	mg/kg	24	1	0.0021	0.0021	0.0021
Choccolocco Creek	PCB Congener	BZ#167	mg/kg	24	0	NA	NA	NA
Choccolocco Creek	PCB Congener	BZ#169	mg/kg	24	0	NA	NA	NA
Choccolocco Creek	PCB Congener	BZ#189	mg/kg	24	0	NA	NA	NA
Choccolocco Creek	PCB Congener	WHO Congener TEQ (ND = 0)	µg/kg	24	14	0.000051	1.2	0.13
Choccolocco Creek	PCDD/DF	2,3,7,8-TCDD	pg/g	24	4	0.15	21	5.9
Choccolocco Creek	PCDD/DF	1,2,3,7,8-PeCDD	pg/g	24	5	0.21	1.2	0.67
Choccolocco Creek	PCDD/DF	1,2,3,4,7,8-HxCDD	pg/g	24	13	0.13	9.5	1.8
Choccolocco Creek	PCDD/DF	1,2,3,6,7,8-HxCDD	pg/g	24	15	0.13	19	3.7
Choccolocco Creek	PCDD/DF	1,2,3,7,8,9-HxCDD	pg/g	24	20	0.17	25	3.2
Choccolocco Creek	PCDD/DF	1,2,3,4,6,7,8-HpCDD	pg/g	24	24	2.5	220	47
Choccolocco Creek	PCDD/DF	Octa CDD	pg/g	24	24	45	3,000	840
Choccolocco Creek	PCDD/DF	2,3,7,8-TCDF	pg/g	24	19	0.44	630	86
Choccolocco Creek	PCDD/DF	1,2,3,7,8-PeCDF	pg/g	24	17	0.30	340	31
Choccolocco Creek	PCDD/DF	2,3,4,7,8-PeCDF	pg/g	24	20	0.22	250	32
Choccolocco Creek	PCDD/DF	1,2,3,4,7,8-HxCDF	pg/g	24	21	0.18	1,400	140
Choccolocco Creek	PCDD/DF	1,2,3,6,7,8-HxCDF	pg/g	24	18	0.13	310	37
Choccolocco Creek	PCDD/DF	1,2,3,7,8,9-HxCDF	pg/g	24	2	3.9	34	19
Choccolocco Creek	PCDD/DF	2,3,4,6,7,8-HxCDF	pg/g	24	13	0.49	220	29
Choccolocco Creek	PCDD/DF	1,2,3,4,6,7,8-HpCDF	pg/g	24	15	1.5	920	140
Choccolocco Creek	PCDD/DF	1,2,3,4,7,8,9-HpCDF	pg/g	24	19	0.17	240	31
Choccolocco Creek	PCDD/DF	Octa CDF	pg/g	24	22	1.2	960	140

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	PCDD/DF	Total Tetra CDD	pg/g	24	14	0.80	410	48
Choccolocco Creek	PCDD/DF	Total Penta CDD	pg/g	24	7	0.21	17	4.8
Choccolocco Creek	PCDD/DF	Total Hexa CDD	pg/g	24	24	0.62	160	23
Choccolocco Creek	PCDD/DF	Total Hepta CDD	pg/g	24	24	5.5	450	100
Choccolocco Creek	PCDD/DF	Total Tetra CDF	pg/g	24	23	0.16	9,300	880
Choccolocco Creek	PCDD/DF	Total Penta CDF	pg/g	24	21	0.91	3,900	500
Choccolocco Creek	PCDD/DF	Total Hexa CDF	pg/g	24	21	0.87	2,800	350
Choccolocco Creek	PCDD/DF	Total Hepta CDF	pg/g	24	23	0.31	1,600	180
Choccolocco Creek	PCDD/DF	WHO Dioxin TEQ (ND = 0)	µg/kg	24	24	0.000066	0.32	0.036
Choccolocco Creek	Metals	Aluminum	mg/kg	23	23	1500	15,000	5,200
Choccolocco Creek	Metals	Antimony	mg/kg	23	7	0.31	1.3	0.76
Choccolocco Creek	Metals	Arsenic	mg/kg	85	85	0.92	17	4.8
Choccolocco Creek	Metals	Barium	mg/kg	85	85	14	3,800	150
Choccolocco Creek	Metals	Beryllium	mg/kg	85	85	0.16	3.7	0.72
Choccolocco Creek	Metals	Cadmium	mg/kg	85	46	0.052	2.4	0.49
Choccolocco Creek	Metals	Calcium	mg/kg	23	23	120	68,000	5,400
Choccolocco Creek	Metals	Chromium	mg/kg	85	85	4.0	110	20
Choccolocco Creek	Metals	Cobalt	mg/kg	81	81	1.7	96	9.2
Choccolocco Creek	Metals	Copper	mg/kg	27	27	1.6	93	16
Choccolocco Creek	Metals	Iron	mg/kg	23	23	4,000	38,000	11,000
Choccolocco Creek	Metals	Lead	mg/kg	85	82	2.8	250	27
Choccolocco Creek	Metals	Magnesium	mg/kg	23	23	300	15,000	1,400
Choccolocco Creek	Metals	Manganese	mg/kg	85	85	38	3,000	580
Choccolocco Creek	Metals	Mercury	mg/kg	150	144	0.011	96	2.4
Choccolocco Creek	Metals	Nickel	mg/kg	85	85	1.7	64	9.8
Choccolocco Creek	Metals	Potassium	mg/kg	23	23	130	1,200	400

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	Metals	Selenium	mg/kg	23	2	1.1	1.7	1.4
Choccolocco Creek	Metals	Silver	mg/kg	23	1	0.46	0.46	0.46
Choccolocco Creek	Metals	Sodium	mg/kg	23	7	10	500	95
Choccolocco Creek	Metals	Thallium	mg/kg	23	3	0.79	1.1	0.89
Choccolocco Creek	Metals	Vanadium	mg/kg	85	85	3.0	63	18
Choccolocco Creek	Metals	Zinc	mg/kg	23	23	11	240	54
Choccolocco Creek	Metals	Methylmercury	mg/kg	7	7	0.00011	0.0025	0.00092
Choccolocco Creek	Inorganics	Cyanide	mg/kg	16	0	NA	NA	NA
Choccolocco Creek	PAHs	2-Chloronaphthalene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	PAHs	2-Methylnaphthalene	µg/kg	23	1	53	53	53
Choccolocco Creek	PAHs	Acenaphthene	µg/kg	23	7	23	2300	710
Choccolocco Creek	PAHs	Acenaphthylene	µg/kg	23	0	0	0	0
Choccolocco Creek	PAHs	Anthracene	µg/kg	23	8	50	5,300	1,200
Choccolocco Creek	PAHs	Benzo(a)anthracene	µg/kg	23	14	23	5,400	840
Choccolocco Creek	PAHs	Benzo(a)pyrene	µg/kg	23	13	25	1,800	390
Choccolocco Creek	PAHs	Benzo(b)fluoranthene	µg/kg	23	13	19	2,300	550
Choccolocco Creek	PAHs	Benzo(g,h,i)perylene	µg/kg	23	13	23	810	170
Choccolocco Creek	PAHs	Benzo(k)fluoranthene	µg/kg	23	10	31	1,700	360
Choccolocco Creek	PAHs	Chrysene	µg/kg	23	15	19	7,600	1,200
Choccolocco Creek	PAHs	Dibenzo(a,h)anthracene	µg/kg	23	2	28	120	74
Choccolocco Creek	PAHs	Fluoranthene	µg/kg	23	17	21	36,000	4,900
Choccolocco Creek	PAHs	Fluorene	µg/kg	23	7	28	4,200	1,200
Choccolocco Creek	PAHs	Indeno(1,2,3-cd)pyrene	µg/kg	23	13	19	750	160
Choccolocco Creek	PAHs	Naphthalene	µg/kg	23	1	31	31	31
Choccolocco Creek	PAHs	Phenanthrene	µg/kg	23	12	33	23,000	4,100
Choccolocco Creek	PAHs	Pyrene	µg/kg	23	16	21	22,000	2,600

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	PAHs Total	Total PAHs (Max DL)	µg/kg	23	17	21	110,000	15,000
Choccolocco Creek	SVOCs	1,1'-Biphenyl	µg/kg	16	2	280	3,000	1,600
Choccolocco Creek	SVOCs	2,2'-Oxybis(1-Chloropropane)	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2,4,5-Trichlorophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2,4,6-Trichlorophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2,4-Dichlorophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2,4-Dimethylphenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2,4-Dinitrophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2,4-Dinitrotoluene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2,6-Dinitrotoluene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2-Chlorophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2-Methylphenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2-Nitroaniline	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	2-Nitrophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	3,3'-Dichlorobenzidine	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	3-Nitroaniline	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4,6-Dinitro-2-methylphenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4-Bromophenyl-phenylether	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4-Chloro-3-methylphenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4-Chloroaniline	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4-Chlorophenyl-phenylether	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4-Methylphenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4-Nitroaniline	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	4-Nitrophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Acetophenone	µg/kg	16	2	24	29	27
Choccolocco Creek	SVOCs	Atrazine	µg/kg	16	0	NA	NA	NA

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	SVOCs	Benzaldehyde	µg/kg	16	3	27	51	38
Choccolocco Creek	SVOCs	bis(2-Chloroethoxy)methane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	bis(2-Chloroethyl)ether	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	bis(2-Ethylhexyl)phthalate	µg/kg	16	4	28	420	130
Choccolocco Creek	SVOCs	Butylbenzylphthalate	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Caprolactam	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Carbazole	µg/kg	16	2	44	80	62
Choccolocco Creek	SVOCs	Dibenzofuran	µg/kg	16	4	36	830	470
Choccolocco Creek	SVOCs	Diethylphthalate	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Dimethylphthalate	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Di-n-butylphthalate	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Di-n-octylphthalate	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Hexachlorobenzene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Hexachlorobutadiene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Hexachlorocyclopentadiene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Hexachloroethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Isophorone	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Nitrobenzene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	N-Nitroso-di-n-propylamine	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	N-Nitrosodiphenylamine	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Pentachlorophenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	SVOCs	Phenol	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,1,1-Trichloroethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,1,2,2-Tetrachloroethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,1,2-Trichloroethane	µg/kg	16	0	NA	NA	NA

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	VOCs	1,1-Dichloroethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,1-Dichloroethene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,2,4-Trichlorobenzene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,2-Dibromo-3-chloropropane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,2-Dibromoethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,2-Dichlorobenzene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,2-Dichloroethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,2-Dichloroethene (total)	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,2-Dichloropropane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,3-Dichlorobenzene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	1,4-Dichlorobenzene	µg/kg	16	1	7.0	7.0	7.0
Choccolocco Creek	VOCs	2-Butanone	µg/kg	16	10	1.5	17	8.7
Choccolocco Creek	VOCs	2-Hexanone	µg/kg	16	1	2.0	2.0	2.0
Choccolocco Creek	VOCs	4-Methyl-2-pentanone	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Acetone	µg/kg	16	16	5.4	87	40
Choccolocco Creek	VOCs	Benzene	µg/kg	16	1	1.3	1.3	1.3
Choccolocco Creek	VOCs	Bromochloromethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Bromodichloromethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Bromoform	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Carbon Disulfide	µg/kg	16	8	1.3	3.1	2.0
Choccolocco Creek	VOCs	Carbon Tetrachloride	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Chlorobenzene	µg/kg	16	2	1.6	1.8	1.7
Choccolocco Creek	VOCs	Chloroethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Chloroform	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Chloromethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	cis-1,2-Dichloroethene	µg/kg	16	0	NA	NA	NA

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	VOCs	cis-1,3-Dichloropropene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Cyclohexane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Dibromochloromethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Dichlorodifluoromethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Ethylbenzene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Fluorotrichloromethane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Isopropylbenzene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	m,p-Xylenes	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Methyl Acetate	µg/kg	16	12	1.5	26	12
Choccolocco Creek	VOCs	Methyl Bromide	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Methyl tert-butyl ether	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Methylcyclohexane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Methylene Chloride	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	o-Xylene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Styrene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Tetrachloroethene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Toluene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	trans-1,2-Dichloroethene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	trans-1,3-Dichloropropene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Trichloroethene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Vinyl Chloride	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	VOCs	Xylenes (total)	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	4,4'-DDD	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	4,4'-DDE	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	4,4'-DDT	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Aldrin	µg/kg	16	0	NA	NA	NA

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	Pesticides	alpha-BHC	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	alpha-Chlordane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	beta-BHC	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	delta-BHC	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Dieldrin	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Endosulfan I	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Endosulfan II	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Endosulfan sulfate	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Endrin	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Endrin Aldehyde	µg/kg	15	0	NA	NA	NA
Choccolocco Creek	Pesticides	Endrin Ketone	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Ethyl Parathion	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Gamma-BHC (Lindane)	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Gamma-Chlordane	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Heptachlor	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Heptachlor epoxide	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Methoxychlor	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Methyl Parathion	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	o,o,o-Triethylphosphorothioate	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Sulfotep	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Pesticides	Toxaphene	µg/kg	16	0	NA	NA	NA
Choccolocco Creek	Grain Size	Clay	%	174	174	0	60	12
Choccolocco Creek	Grain Size	Silt	%	174	174	0.40	67	18
Choccolocco Creek	Grain Size	Fine Sand	%	174	174	0.90	95	29
Choccolocco Creek	Grain Size	Medium Sand	%	174	174	0.30	78	25
Choccolocco Creek	Grain Size	Coarse Sand	%	174	174	0	29	5.4

Table 4-7. Summary of OU-4 Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected)[1,2]	Maximum Value (detected)[1,2]	Mean Value (detected)[1,2]
Choccolocco Creek	Grain Size	Gravel	%	174	174	0	81	11
Choccolocco Creek	Other	Percent Moisture	%	8	8	22	50	32
Choccolocco Creek	Other	Solids, Percent	%	193	193	19	92	71
Choccolocco Creek	Other	TOC by Lloyd Kahn	mg/kg	569	423	550	250,000	15,000

1. Statistics were conducted on detected results only.
2. Values were reported to two significant figures.
3. Total PCB results were calculated as the sum of the detected Aroclors. If all results were nondetect, then the highest individual reporting limit (e.g., for a single Aroclor) was used.
4. TEQ calculated using USEPA Dioxin and Dioxin-Like Compounds Toxic Equivalency Information Rule - Final Rule (USEPA 2007b). Nondetects were given a value of zero.

%: percent
BZ: Ballschmiter, K. Zell, M
HpCDD: heptachlorodibenzo-p-dioxin
HxCDD: hexachlorodibenzo-p-dioxin
mg/kg: milligram(s) per kilogram
n: sample count
NA: not applicable
ND: nondetect
OU: operable unit
PAH: polycyclic aromatic hydrocarbon
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran
PeCDD: pentachlorodibenzo-p-dioxin
pg/g: picogram(s) per gram
SVOC: semivolatile organic compound
TCDD: tetrachlorodibenzo-p-dioxin
TCDF: tetrachlorodibenzofuran
TEQ: toxic equivalent
TOC: total organic carbon
USEPA: United States Environmental Protection Agency
VOC: volatile organic compound
WHO: World Health Organization
µg/kg: microgram(s) per kilogram

Table 4-8. Summary of OU-4 Upstream Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1016	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1221	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1232	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1242	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1248	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1254	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1260	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1262	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Aroclor-1268	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Aroclor	Total PCBs	mg/kg	8	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Monochlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Dichlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Trichlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Tetrachlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Pentachlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Hexachlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Heptachlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Octachlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Total Nonachlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog	Decachlorobiphenyl	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Homolog Total	Total Homolog PCBs (Max DL)	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#77	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#81	mg/kg	1	0	NA	NA	NA

Table 4-8. Summary of OU-4 Upstream Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Choccolocco Creek Upstream	PCB Congener	BZ#105	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#114	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#118	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#123	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#126	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#153	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#156	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#157	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#167	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#169	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	BZ#189	mg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCB Congener	WHO Congener TEQ (ND = 0)	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	2,3,7,8-TCDD	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,7,8-PeCDD	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,4,7,8-HxCDD	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,6,7,8-HxCDD	pg/g	1	1	0.24	0.24	0.24
Choccolocco Creek Upstream	PCDD/DF	1,2,3,7,8,9-HxCDD	pg/g	1	1	0.56	0.56	0.56
Choccolocco Creek Upstream	PCDD/DF	1,2,3,4,6,7,8-HpCDD	pg/g	1	1	12	12	12
Choccolocco Creek Upstream	PCDD/DF	Octa CDD	pg/g	1	1	450	450	450
Choccolocco Creek Upstream	PCDD/DF	2,3,7,8-TCDF	pg/g	1	1	0.29	0.29	0.29
Choccolocco Creek Upstream	PCDD/DF	1,2,3,7,8-PeCDF	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	2,3,4,7,8-PeCDF	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,4,7,8-HxCDF	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,6,7,8-HxCDF	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,7,8,9-HxCDF	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	2,3,4,6,7,8-HxCDF	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,4,6,7,8-HpCDF	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	1,2,3,4,7,8,9-HpCDF	pg/g	1	0	NA	NA	NA

Table 4-8. Summary of OU-4 Upstream Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Choccolocco Creek Upstream	PCDD/DF	Octa CDF	pg/g	1	1	1.2	1.2	1.2
Choccolocco Creek Upstream	PCDD/DF	Total Tetra CDD	pg/g	1	0	NA	NA	NA
Choccolocco Creek Upstream	PCDD/DF	Total Penta CDD	pg/g	1	1	0.61	0.61	0.61
Choccolocco Creek Upstream	PCDD/DF	Total Hexa CDD	pg/g	1	1	3.7	3.7	3.7
Choccolocco Creek Upstream	PCDD/DF	Total Hepta CDD	pg/g	1	1	27	27	27
Choccolocco Creek Upstream	PCDD/DF	Total Tetra CDF	pg/g	1	1	0.60	0.60	0.60
Choccolocco Creek Upstream	PCDD/DF	Total Penta CDF	pg/g	1	1	0.48	0.48	0.48
Choccolocco Creek Upstream	PCDD/DF	Total Hexa CDF	pg/g	1	1	0.52	0.52	0.52
Choccolocco Creek Upstream	PCDD/DF	Total Hepta CDF	pg/g	1	1	0.72	0.72	0.72
Choccolocco Creek Upstream	PCDD/DF	WHO Dioxin TEQ (ND = 0)	µg/kg	1	1	0.00036	0.00036	0.00036
Choccolocco Creek Upstream	Metals	Aluminum	mg/kg	2	2	4,800	8,600	6,700
Choccolocco Creek Upstream	Metals	Antimony	mg/kg	2	0	NA	NA	NA
Choccolocco Creek Upstream	Metals	Arsenic	mg/kg	12	12	1.1	22	7.3
Choccolocco Creek Upstream	Metals	Barium	mg/kg	12	12	17	91	38
Choccolocco Creek Upstream	Metals	Beryllium	mg/kg	12	6	0.40	2.6	1.6
Choccolocco Creek Upstream	Metals	Cadmium	mg/kg	12	4	0.081	0.19	0.15
Choccolocco Creek Upstream	Metals	Calcium	mg/kg	2	2	1,200	1,700	1,400
Choccolocco Creek Upstream	Metals	Chromium	mg/kg	12	12	3.6	25	9.2
Choccolocco Creek Upstream	Metals	Cobalt	mg/kg	12	12	2.2	36	9.6
Choccolocco Creek Upstream	Metals	Copper	mg/kg	2	2	5.1	8.8	7.0
Choccolocco Creek Upstream	Metals	Iron	mg/kg	2	2	7,000	14,000	11,000
Choccolocco Creek Upstream	Metals	Lead	mg/kg	12	12	2.0	22	8.7
Choccolocco Creek Upstream	Metals	Magnesium	mg/kg	2	2	1,000	1,600	1,300
Choccolocco Creek Upstream	Metals	Manganese	mg/kg	12	12	45	610	200
Choccolocco Creek Upstream	Metals	Mercury	mg/kg	18	11	0.0092	0.087	0.034
Choccolocco Creek Upstream	Metals	Nickel	mg/kg	12	12	1.8	33	9.0
Choccolocco Creek Upstream	Metals	Potassium	mg/kg	2	2	380	660	520
Choccolocco Creek Upstream	Metals	Selenium	mg/kg	2	0	NA	NA	NA

Table 4-8. Summary of OU-4 Upstream Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Choccolocco Creek Upstream	Metals	Silver	mg/kg	2	1	0.058	0.058	0.058
Choccolocco Creek Upstream	Metals	Sodium	mg/kg	2	2	8.2	19	14
Choccolocco Creek Upstream	Metals	Thallium	mg/kg	2	1	0.067	0.067	0.067
Choccolocco Creek Upstream	Metals	Vanadium	mg/kg	12	12	3.4	29	11
Choccolocco Creek Upstream	Metals	Zinc	mg/kg	2	2	27	40	33
Choccolocco Creek Upstream	Metals	Methylmercury	mg/kg	1	1	0.00076	0.00076	0.00076
Choccolocco Creek Upstream	PAHs	2-Methylnaphthalene	µg/kg	2	0	NA	NA	NA
Choccolocco Creek Upstream	PAHs	Acenaphthene	µg/kg	2	0	NA	NA	NA
Choccolocco Creek Upstream	PAHs	Acenaphthylene	µg/kg	2	0	NA	NA	NA
Choccolocco Creek Upstream	PAHs	Anthracene	µg/kg	2	1	43	43	43
Choccolocco Creek Upstream	PAHs	Benzo(a)anthracene	µg/kg	2	1	170	170	170
Choccolocco Creek Upstream	PAHs	Benzo(a)pyrene	µg/kg	2	1	180	180	180
Choccolocco Creek Upstream	PAHs	Benzo(b)fluoranthene	µg/kg	2	1	220	220	220
Choccolocco Creek Upstream	PAHs	Benzo(g,h,i)perylene	µg/kg	2	1	130	130	130
Choccolocco Creek Upstream	PAHs	Benzo(k)fluoranthene	µg/kg	2	1	160	160	160
Choccolocco Creek Upstream	PAHs	Chrysene	µg/kg	2	1	220	220	220
Choccolocco Creek Upstream	PAHs	Dibenzo(a,h)anthracene	µg/kg	2	0	NA	NA	NA
Choccolocco Creek Upstream	PAHs	Fluoranthene	µg/kg	2	1	380	380	380
Choccolocco Creek Upstream	PAHs	Fluorene	µg/kg	2	0	NA	NA	NA
Choccolocco Creek Upstream	PAHs	Indeno(1,2,3-cd)pyrene	µg/kg	2	1	120	120	120
Choccolocco Creek Upstream	PAHs	Naphthalene	µg/kg	2	0	NA	NA	NA
Choccolocco Creek Upstream	PAHs	Phenanthrene	µg/kg	2	1	170	170	170
Choccolocco Creek Upstream	PAHs	Pyrene	µg/kg	2	1	250	250	250
Choccolocco Creek Upstream	PAHs Total	Total PAHs (Max DL)	µg/kg	2	1	2,000	2,000	2,000
Choccolocco Creek Upstream	SVOCs	1,1'-Biphenyl	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	4,4'-DDD	µg/kg	1	0	NA	NA	NA

Table 4-8. Summary of OU-4 Upstream Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Choccolocco Creek Upstream	Pesticides	4,4'-DDE	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	4,4'-DDT	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Aldrin	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	alpha-BHC	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	alpha-Chlordane	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	beta-BHC	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	delta-BHC	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Dieldrin	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Endosulfan I	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Endosulfan II	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Endosulfan sulfate	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Endrin	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Endrin Aldehyde	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Endrin Ketone	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	gamma-BHC (Lindane)	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	gamma-Chlordane	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Heptachlor	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Heptachlor Epoxide	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Methoxychlor	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Pesticides	Toxaphene	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Grain Size	Clay	%	8	8	0	7.6	2.6
Choccolocco Creek Upstream	Grain Size	Silt	%	8	8	1.2	25	8.2
Choccolocco Creek Upstream	Grain Size	Fine Sand	%	8	8	13	73	42
Choccolocco Creek Upstream	Grain Size	Medium Sand	%	8	8	2.1	54	25
Choccolocco Creek Upstream	Grain Size	Coarse Sand	%	8	8	0.50	21	8.8

Table 4-8. Summary of OU-4 Upstream Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Choccolocco Creek Upstream	Grain Size	Gravel	%	8	8	0.20	35	14
Choccolocco Creek Upstream	Other	Percent Moisture	%	1	1	33	33	33
Choccolocco Creek Upstream	Other	Solids, Percent	%	8	8	43	87	69
Choccolocco Creek Upstream	Other	TOC by Lloyd Kahn	mg/kg	8	6	1,600	26,000	8,900
Choccolocco Creek Upstream	Alk PAH	C1-Chrysenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C1-Fluoranthenes/Pyrenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C1-Fluorenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C1-Naphthalenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C1-Phenanthrenes/Anthracenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C2-Chrysenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C2-Fluoranthenes/Pyrenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C2-Fluorenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C2-Naphthalenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C2-Phenanthrenes/Anthracenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C3-Chrysenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C3-Fluoranthenes/Pyrenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C3-Fluorenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C3-Naphthalenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C3-Phenanthrenes/Anthracenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C4-Chrysenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	Alk PAH	C4-Naphthalenes	µg/kg	1	0	NA	NA	NA

Table 4-8. Summary of OU-4 Upstream Sediment Data for Wider List of Constituents
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Area	Parameter Group	Parameter[3,4]	Units	Samples (n)	Detected (n)	Minimum Value (detected) [1,2]	Maximum Value (detected) [1,2]	Mean Value (detected) [1,2]
Choccolocco Creek Upstream	Alk PAH	C4-Phenanthrenes/Anthracenes	µg/kg	1	0	NA	NA	NA
Choccolocco Creek Upstream	USEPA Miscellaneous	1-Methylnaphthalene	µg/kg	1	0	NA	NA	NA

1. Statistics were conducted on detected results only.
2. Values were rounded to two significant figures.
3. Total PCB results were calculated as the sum of the detected Aroclors. If all results were nondetect, then the highest individual reporting limit (e.g., for a single Aroclor) was used.
4. TEQ calculated using USEPA Dioxin and Dioxin-Like Compounds Toxic Equivalency Information Rule - Final Rule (USEPA 2007b). Nondetects were given a value of zero.

%: percent
Alk: alkylated
BZ: Ballschmiter, K. Zell, M
HpCDD: heptachlorodibenzo-p-dioxin
HxCDD: hexachlorodibenzo-p-dioxin
mg/kg: milligram(s) per kilogram
n: sample count
NA: not applicable
ND: nondetect
OU: operable unit
PAH: polycyclic aromatic hydrocarbon
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran
PeCDD: pentachlorodibenzo-p-dioxin
pg/g: picogram(s) per gram
SVOC: semivolatile organic compound
TCDD: tetrachlorodibenzo-p-dioxin
TCDF: tetrachlorodibenzofuran
TEQ: toxic equivalent
TOC: total organic carbon
USEPA: United States Environmental Protection Agency
WHO: World Health Organization
µg/kg: microgram(s) per kilogram

Table 4-9. Snow Creek Sediment Deposit Characterizations
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

General Description	Area [1]	Area Description [2]	Sediment Deposit[3]	Depositional Environment [4]	Approx. Surface Area (ft^2)	Average Depth to Refusal (ft)	Predominant Sediment Type(s) and Field Observations
Snow Creek from Highway 78 to confluence of Choccolocco Creek	6	Moderate to steep right and left banks with erosion noted along both banks. Channel deposits are mostly medium sand to very coarse sand, gravel, rock with numerous aggrading bars.	1	Aggrading bar	2,800	0.5-1.0	Fine sand to very coarse sand, gravel, rock
			2	Channel deposit	20	1.2	Fine sand with silt over coarse sand to very coarse sand, gravel
			3	Channel deposit/bank wash	180	1.1	Mostly fine sand, little clay, gravel
			4	Channel deposit	250	0.5	Medium sand to very coarse sand, gravel, rock, little fine sand
			5	High terrace	110	1.5	Fine sand and silt over very coarse sand, gravel
			6	Aggrading bar	2,600	0.5	Fine sand to very coarse sand, gravel, rock
			7	Channel deposit	180	0.5	Fine sand with silt over coarse sand to very coarse sand, gravel
			8	Channel deposit	72	1.0	Fine sand to very coarse sand, gravel
			9	Aggrading bar/low terrace	660	0.5	Fine sand, silt and clay on terrace; coarse sand to very coarse sand, gravel, rock on bar
			10	Low to high terrace	1,200	0.5	Fine sand with silt over coarse sand to very coarse sand, gravel
			11	Aggrading bar/ rock shelf/ channel deposit	320	0.4	Medium sand to very coarse sand, gravel, rock, bedrock
			12	Aggrading bar/channel deposit	1,300	0.3	Coarse sand to very coarse sand, gravel, rock
			13	Aggrading bar	180	3.0	Medium sand to very coarse sand over brown silt, clay with fine sand of fine sand over fine sand
			14	Aggrading bar/channel deposit	360	0.4	Coarse to very coarse sand, gravel
			15	Aggrading bar/ low terrace	1,800	1.0	Fine sand, silt, clay - terrace; medium to very coarse sand, gravel, rock - aggrading bar
			16	Aggrading bar/sand bar	120	0.5	Medium to very coarse sand, gravel over rock
			17	Island/aggrading bar	2,900	1.0-1.5	Medium to very coarse sand, gravel, rock; fine sand in island area
			18	Aggrading bar	1,200	0.5	Medium to very coarse sand, gravel

Table 4-9. Snow Creek Sediment Deposit Characterizations
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

General Description	Area [1]	Area Description [2]	Sediment Deposit[3]	Depositional Environment [4]	Approx. Surface Area (ft^2)	Average Depth to Refusal (ft)	Predominant Sediment Type(s) and Field Observations
Snow Creek from Highway 78 to confluence of Choccolocco Creek cont.	6	Moderate to steep right and left banks with erosion noted along both banks. Channel deposits are mostly medium sand to very coarse sand, gravel, rock with numerous aggrading bars.	19	Aggrading bar	900	0.4	Medium to very coarse sand, gravel, little fine sand
			20	Aggrading bar	450	0.3	Medium sand to very coarse sand, gravel, rock
			21	Aggrading bar	3,800	1.0-2.0	Fine to very coarse sand, gravel, rock
			22	Aggrading bar	280	0.5	Medium sand to very coarse sand, gravel
			23	Aggrading bar/bank deposit	800	0.8	Medium sand to very coarse sand, gravel, little fine sand, clay
			24	Aggrading bar	190	0.8	Fine sand to very coarse sand, gravel
			25	Aggrading bar/low terrace	2,000	3.0-3.5	Coarse sand to very coarse sand, gravel; mostly fine sand with medium sand up high
			26	Bank deposit/bank wash	500	6.0	Red brown clay, little fine sand
			27	Aggrading bar/terrace deposit	2,500	3.0-3.5	Fine sand to very coarse sand, gravel, small rock
			28	Bank deposit/low terrace	210	1.0	Fine sand to very coarse sand, gravel

1. Snow Creek was divided into individual areas and illustrated on aerial photographs to facilitate characterizing the creek.
2. The area descriptions are the main characteristics of the individual areas.
3. Sediment deposits are shown on Figure 4-7.
4. The type of depositional environment (channel deposit, terrace deposit, bank slope, aggrading bar, secondary channels, and areas of limited deposition) are identified in the individual areas.

The probing/reconnaissance effort of Snow Creek from the confluence of the 11th Street Ditch to Choccolocco Creek was conducted by Blasland & Bouck & Lee, Inc. on September 20–21, 1999, in accordance with the approved work plan (BBL1999a).

These data were collected as part of the RCRA Off-Site Facility Investigation
ft: feet
ft^2: square feet
OU: operable unit
PCB: polychlorinated biphenyl
St.: street
W.: west

Table 4-10. Snow Creek Sediment Deposits: Areas and Volumes
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Deposit[1]	Predominant Sediment Type(s) [2]	Depositional Environment	Approximate Surface Area (ft^2)	Average Depth to Refusal (ft)	Estimated Volume (cy) [3]	Number of Cores Analyzed
1	Fine sand to very coarse sand, gravel, rock	Aggrading bar	2,800	0.8	78	1
2	Fine sand with silt over coarse sand to very coarse sand, gravel	Channel	20	1.2	1.0	1
3	Mostly fine sand, little clay, gravel	Channel	180	1.1	7.0	1
4	Medium sand to very coarse sand, gravel, rock, little fine sand	Channel	250	0.5	5.0	1
5	Fine sand and silt over very coarse sand, gravel	Terrace	110	1.5	6.0	1
6	Fine sand to very coarse sand, gravel, rock	Aggrading bar	2,600	0.5	49	NA
7	Fine sand with silt over coarse sand to very coarse sand, gravel	Channel	180	0.5	3.0	1
8	Fine sand to very coarse sand, gravel	Channel	72	1.0	3.0	NA
9	Fine sand, silt and clay on terrace; coarse sand to very coarse sand, gravel, rock on bar	Aggrading bar	660	0.5	12	1
10	Fine sand with silt over coarse sand to very coarse sand, gravel	Terrace	1,200	0.5	22	1
11	Medium sand to very coarse sand, gravel, rock, bedrock	Aggrading bar	320	0.4	5.0	NA
12	Coarse sand to very coarse sand, gravel, rock	Aggrading bar	1,300	0.3	14	NA
13	Medium sand to very coarse sand over brown silt, clay with fine sand of fine sand over fine sand	Aggrading bar	180	3.0	19	1
14	Coarse to very coarse sand, gravel	Aggrading bar	360	0.4	5.0	NA
15	Fine sand, silt, clay - terrace; medium to very coarse sand, gravel, rock - aggrading bar	Aggrading bar	1,800	1.0	67	1
16	Medium to very coarse sand, gravel over rock	Aggrading bar	120	0.5	2.0	NA
17	Medium to very coarse sand, gravel, rock; fine sand in island area	Aggrading bar	2,900	1.3	130	1
18	Medium to very coarse sand, gravel	Aggrading bar	1,200	0.5	22	NA
19	Medium to very coarse sand, gravel, little fine sand	Aggrading bar	900	0.4	13	NA
20	Medium sand to very coarse sand, gravel, rock	Aggrading bar	450	0.3	5.0	NA
21	Fine to very coarse sand, gravel, rock	Aggrading bar	3,800	1.5	210	1
22	Medium sand to very coarse sand, gravel	Aggrading bar	280	0.5	5.0	NA

Table 4-10. Snow Creek Sediment Deposits: Areas and Volumes
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sediment Deposit[1]	Predominant Sediment Type(s) [2]	Depositional Environment	Approximate Surface Area (ft^2)	Average Depth to Refusal (ft)	Estimated Volume (cy) [3]	Number of Cores Analyzed
23	Medium sand to very coarse sand, gravel, little fine sand, clay	Aggrading bar	800	0.8	24	1
24	Fine sand to very coarse sand, gravel	Aggrading bar	190	0.8	6.0	NA
25	Coarse sand to very coarse sand, gravel; mostly fine sand with medium sand up high	Aggrading bar	2,000	3.3	240	1
26	Red brown clay, little fine sand	Terrace	500	6.0	110	1
27	Fine sand to very coarse sand, gravel, small rock	Aggrading bar	2,500	3.3	300	1
28	Fine sand to very coarse sand, gravel	Terrace	210	1.0	8.0	NA

1. Sediment deposits are shown on Figure 4-7.
2. Highlighted cells indicate clay and/or silt was present.
3. Estimated volume results were rounded to two significant figures.
These data were collected as part of the RCRA Off-Site Facility Investigation.
cy: cubic yards
ft: feet
ft^2: square feet
NA: not applicable
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-11. Physical Characteristics of Choccolocco Creek Transects
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Transect	Reach	Ecological EU	Area (acres)	Width (ft)	Average Water Depth (ft)	Average Sediment Thickness (ft)	Average Creek Bed Elevation Elevation (ft) [1]	Surface Water Velocity (fps)
C-U1	Backwater Area (Upstream of Friendship Road)	C2	1.65	48	4.4	1.1	594.1	NA
C-U2	Backwater Area (Upstream of Friendship Road)	C2	1.69	49	2.7	2.9	593.0	NA
C-U3	Backwater Area (Upstream of Friendship Road)	C2	1.34	45	4.7	1.5	591.4	NA
CU-005	Backwater Area (Upstream of Friendship Road)	C2	0.67	42	3.5	1.3	590.8	0.22
CU-006	Backwater Area (Upstream of Friendship Road)	C2	0.47	54	2.3	3.4	591.8	0.26
CU-007	Backwater Area (Upstream of Friendship Road)	C2	0.91	42	2.1	1.6	592.6	0.26
CU-008	Backwater Area (Upstream of Friendship Road)	C2	0.94	43	1.0	2.2	593.1	0.27
CU-009	Backwater Area (Upstream of Friendship Road)	C2	0.64	49	2.6	2.0	592.6	0.14
CU-010	Backwater Area (Upstream of Friendship Road)	C2	1.37	41	3.2	2.2	592.0	0.13
CU-011	Backwater Area (Upstream of Friendship Road)	C2	0.32	52	2.1	2.8	594.0	0.80
C-001	Backwater Area (Upstream of Friendship Road)	C2	0.72	55	2.2	1.4	592.6	NA
C-002	Backwater Area (Upstream of Friendship Road)	C2	1.31	61	2.8	0.7	590.9	NA
C-003	Friendship Road to Coldwater Creek	C3	2.93	100	1.2	2.2	591.7	1.4
C-004	Friendship Road to Coldwater Creek	C3	1.84	58	4.2	1.7	586.4	NA
C-005	Friendship Road to Coldwater Creek	C3	1.54	59	2.8	0.6	586.6	NA
C-006	Friendship Road to Coldwater Creek	C3	1.81	70	2.2	0.6	586.0	1.4
C-007	Friendship Road to Coldwater Creek	C3	1.66	62	2.7	0.7	584.2	NA
C-008	Friendship Road to Coldwater Creek	C3	1.68	66	2.9	1.9	583.7	NA
C-009	Friendship Road to Coldwater Creek	C3	1.58	62	3.3	2.2	583.1	1.1
C-010	Friendship Road to Coldwater Creek	C3	2.08	70	3.5	2.3	583.0	NA
C-011	Friendship Road to Coldwater Creek	C4	1.33	46	3.8	0.7	584.7	NA
C-012	Friendship Road to Coldwater Creek	C4	1.31	55	3.1	0.3	579.9	NA
C-013	Friendship Road to Coldwater Creek	C4	1.40	63	2.8	1.6	579.6	1.1
C-014	Friendship Road to Coldwater Creek	C4	1.38	69	3.2	0.7	579.1	NA
C-015	Friendship Road to Coldwater Creek	C4	1.27	68	3.0	0.9	579.2	NA
C-016	Friendship Road to Coldwater Creek	C4	0.97	55	3.9	1.7	577.3	NA
C-017	Friendship Road to Coldwater Creek	C4	1.16	57	3.4	1.3	578.0	1.2
C-021	Friendship Road to Coldwater Creek	C4	1.60	70	3.2	0.8	578.0	NA
C-022	Friendship Road to Coldwater Creek	C4	1.44	60	2.3	1.7	577.8	NA
C-023	Friendship Road to Coldwater Creek	C4	1.91	80	1.0	0.8	578.1	NA
C-024	Friendship Road to Coldwater Creek	C4	1.11	56	2.2	0.4	575.6	1.6
C-025	Friendship Road to Coldwater Creek	C4	1.31	62	2.8	1.6	574.7	NA
C-026	Friendship Road to Coldwater Creek	C4	1.72	65	2.1	1.2	573.9	NA
C-027	Friendship Road to Coldwater Creek	C4	1.83	64	3.2	1.0	573.1	1.2

Table 4-11. Physical Characteristics of Choccolocco Creek Transects
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Transect	Reach	Ecological EU	Area (acres)	Width (ft)	Average Water Depth (ft)	Average Sediment Thickness (ft)	Average Creek Bed Elevation Elevation (ft) [1]	Surface Water Velocity (fps)
C-028	Friendship Road to Coldwater Creek	C4	1.60	60	4.3	0.8	570.7	NA
C-029	Friendship Road to Coldwater Creek	C4	1.37	62	2.2	0.4	571.5	NA
C-030	Friendship Road to Coldwater Creek	C4	1.33	77	2.5	1.5	570.2	NA
C-031	Friendship Road to Coldwater Creek	C4	1.29	64	4.6	1.0	567.5	NA
C-032	Friendship Road to Coldwater Creek	C4	2.42	96	1.9	0.6	568.8	1.4
C-033	Friendship Road to Coldwater Creek	C4	1.86	81	2.4	1.2	567.3	NA
C-034	Friendship Road to Coldwater Creek	C4	1.70	68	3.0	0.4	566.5	NA
C-035	Friendship Road to Coldwater Creek	C4	1.90	72	2.7	0.9	566.2	NA
C-036	Friendship Road to Coldwater Creek	C4	1.75	70	2.5	0.6	566.2	1.8
C-037	Friendship Road to Coldwater Creek	C4	1.68	73	2.6	0.5	565.4	NA
C-038	Friendship Road to Coldwater Creek	C4	1.33	70	2.4	0.4	565.3	NA
C-039	Friendship Road to Coldwater Creek	C4	1.27	65	4.7	1.0	562.3	NA
C-040	Friendship Road to Coldwater Creek	C4	0.88	78	3.1	1.4	563.9	1.1
C-041	Friendship Road to Coldwater Creek	C4	0.73	64	3.5	0.7	563.4	NA
C-042	Friendship Road to Coldwater Creek	C4	1.87	72	2.6	0.5	562.6	NA
C-043	Friendship Road to Coldwater Creek	C4	1.36	58	4.2	0.3	559.7	NA
C-044	Friendship Road to Coldwater Creek	C4	1.82	88	1.9	0.2	561.6	1.3
C-045	Friendship Road to Coldwater Creek	C4	2.70	101	3.0	0.2	559.8	NA
C-046	Coldwater Creek to Cheaha Creek	C5	3.56	132	2.3	0.4	560.0	NA
C-047	Coldwater Creek to Cheaha Creek	C5	2.36	120	1.8	0.4	558.8	NA
C-048	Coldwater Creek to Cheaha Creek	C5	2.04	101	2.2	0.2	557.9	1.4
C-049	Coldwater Creek to Cheaha Creek	C5	2.89	116	3.2	0.3	556.0	NA
C-050	Coldwater Creek to Cheaha Creek	C5	1.68	78	2.2	0.1	556.0	NA
C-051	Coldwater Creek to Cheaha Creek	C5	2.83	126	1.6	0.8	554.9	NA
C-052	Coldwater Creek to Cheaha Creek	C5	2.82	126	3.1	0.4	553.2	0.61
C-053	Coldwater Creek to Cheaha Creek	C5	2.49	115	2.4	0.2	552.6	NA
C-054	Coldwater Creek to Cheaha Creek	C5	3.46	150	1.0	0.4	552.0	NA
C-055	Coldwater Creek to Cheaha Creek	C5	2.67	114	2.5	0.2	547.8	NA
C-056	Coldwater Creek to Cheaha Creek	C5	2.98	117	7.6	0.4	545.1	0.32
C-057	Coldwater Creek to Cheaha Creek	C5	1.87	81	2.5	0.1	544.7	NA
C-058	Coldwater Creek to Cheaha Creek	C5	2.19	93	2.8	0.1	544.5	NA
C-059	Coldwater Creek to Cheaha Creek	C5	2.97	107	3.9	0.5	540.3	NA
C-060	Coldwater Creek to Cheaha Creek	C5	2.41	96	4.4	0.4	539.5	0.57
C-061	Coldwater Creek to Cheaha Creek	C5	2.09	105	4.2	0.4	539.8	NA

Table 4-11. Physical Characteristics of Choccolocco Creek Transects
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Transect	Reach	Ecological EU	Area (acres)	Width (ft)	Average Water Depth (ft)	Average Sediment Thickness (ft)	Average Creek Bed Elevation Elevation (ft) [1]	Surface Water Velocity (fps)
C-062	Coldwater Creek to Cheaha Creek	C5	2.14	99	6.8	0.2	537.8	NA
C-063	Coldwater Creek to Cheaha Creek	C5	3.28	120	3.9	0.4	539.7	NA
C-064	Coldwater Creek to Cheaha Creek	C5	2.32	94	2.7	0.2	540.9	0.84
C-065	Coldwater Creek to Cheaha Creek	C5	2.04	80	3.6	0.4	537.7	NA
C-066	Coldwater Creek to Cheaha Creek	C5	2.18	95	2.0	0.3	NA	NA
C-067	Coldwater Creek to Cheaha Creek	C5	2.70	105	3.3	0.3	535.3	NA
C-068	Coldwater Creek to Cheaha Creek	C5	2.49	118	1.9	0.2	536.2	0.69
C-069	Coldwater Creek to Cheaha Creek	C5	2.29	111	2.7	0.3	535.9	NA
C-070	Coldwater Creek to Cheaha Creek	C5	1.87	91	3.4	0.1	528.6	NA
C-071	Coldwater Creek to Cheaha Creek	C5	2.82	109	4.5	0.5	538.1	NA
C-072	Coldwater Creek to Cheaha Creek	C5	2.59	115	4.4	0.6	NA	NA
C-073	Coldwater Creek to Cheaha Creek	C6	2.57	100	4.8	0.1	534.4	1.5
C-074	Coldwater Creek to Cheaha Creek	C6	5.26	195	2.9	0.3	534.1	NA
C-075	Coldwater Creek to Cheaha Creek	C6	2.24	90	4.2	0.2	529.4	NA
C-076	Coldwater Creek to Cheaha Creek	C6	2.56	126	3.6	0.0	528.2	1.2
C-077	Coldwater Creek to Cheaha Creek	C6	3.13	145	4.9	0.1	526.6	NA
C-078	Coldwater Creek to Cheaha Creek	C6	1.71	96	2.8	0.1	525.1	NA
C-079	Coldwater Creek to Cheaha Creek	C6	2.52	90	3.5	0.0	523.8	NA
C-080	Coldwater Creek to Cheaha Creek	C6	3.33	116	5.2	0.4	520.2	0.74
C-081	Coldwater Creek to Cheaha Creek	C6	2.70	124	2.6	0.2	521.7	NA
C-082	Coldwater Creek to Cheaha Creek	C6	2.79	107	4.8	0.3	517.7	NA
C-084	Coldwater Creek to Cheaha Creek	C6	3.89	140	2.3	0.2	516.6	1.5
C-085	Coldwater Creek to Cheaha Creek	C6	2.41	105	3.5	0.2	NA	NA
C-086	Coldwater Creek to Cheaha Creek	C6	2.59	115	5.3	0.2	510.2	NA
C-087	Coldwater Creek to Cheaha Creek	C6	1.88	75	6.9	0.1	508.9	NA
C-088	Coldwater Creek to Cheaha Creek	C6	3.76	120	2.1	0.3	511.5	1.7
C-089	Coldwater Creek to Cheaha Creek	C6	2.30	100	2.3	0.2	NA	NA
C-090	Coldwater Creek to Cheaha Creek	C6	3.33	130	3.2	0.2	508.2	NA
C-091	Coldwater Creek to Cheaha Creek	C6	1.92	111	5.7	0.4	504.8	0.41
C-092	Coldwater Creek to Cheaha Creek	C6	2.97	170	1.9	0.2	506.5	NA
C-093	Coldwater Creek to Cheaha Creek	C6	2.55	107	1.8	0.1	502.6	NA
C-094	Coldwater Creek to Cheaha Creek	C6	1.40	60	4.4	0.0	499.3	NA
C-095	Coldwater Creek to Cheaha Creek	C7	2.94	130	3.4	0.3	501.8	NA
C-096	Coldwater Creek to Cheaha Creek	C7	3.35	120	4.4	0.2	498.2	0.51

Table 4-11. Physical Characteristics of Choccolocco Creek Transects
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Transect	Reach	Ecological EU	Area (acres)	Width (ft)	Average Water Depth (ft)	Average Sediment Thickness (ft)	Average Creek Bed Elevation Elevation (ft) [1]	Surface Water Velocity (fps)
C-097	Coldwater Creek to Cheaha Creek	C7	3.20	124	5.7	0.5	507.9	NA
C-098	Coldwater Creek to Cheaha Creek	C7	3.32	154	2.5	0.3	497.0	NA
C-099	Coldwater Creek to Cheaha Creek	C7	3.39	135	3.4	0.2	495.9	NA
C-100	Coldwater Creek to Cheaha Creek	C7	1.82	70	2.9	0.3	497.6	1.1
C-101	Coldwater Creek to Cheaha Creek	C7	2.50	95	1.6	0.6	494.6	NA
C-102	Coldwater Creek to Cheaha Creek	C7	2.12	90	2.2	0.8	493.6	NA
C-103	Coldwater Creek to Cheaha Creek	C7	1.67	90	2.4	0.2	492.9	NA
C-104	Coldwater Creek to Cheaha Creek	C7	1.64	90	2.2	0.4	492.5	1.2
C-105	Coldwater Creek to Cheaha Creek	C7	2.07	100	1.5	0.2	492.2	NA
C-106	Coldwater Creek to Cheaha Creek	C7	1.60	67	4.5	0.3	488.1	NA
C-107	Coldwater Creek to Cheaha Creek	C7	2.51	96	5.0	0.1	488.2	NA
C-108	Coldwater Creek to Cheaha Creek	C7	1.82	70	4.7	0.1	486.9	0.69
C-109	Coldwater Creek to Cheaha Creek	C7	2.24	100	1.6	0.6	489.5	NA
C-110	Coldwater Creek to Cheaha Creek	C7	1.79	85	4.9	0.7	484.7	NA
C-111	Coldwater Creek to Cheaha Creek	C7	2.38	100	3.4	0.2	486.0	NA
C-112	Coldwater Creek to Cheaha Creek	C7	2.98	128	2.3	0.4	486.4	0.76
C-113	Coldwater Creek to Cheaha Creek	C7	3.04	140	2.2	0.4	486.3	NA
C-114	Coldwater Creek to Cheaha Creek	C7	2.28	95	3.5	0.3	486.0	NA
C-115	Coldwater Creek to Cheaha Creek	C7	2.30	100	4.5	0.1	482.7	NA
C-116	Coldwater Creek to Cheaha Creek	C7	2.30	85	6.4	0.1	482.6	0.47
C-117	Coldwater Creek to Cheaha Creek	C7	3.28	120	2.1	0.7	484.4	NA
C-118	Coldwater Creek to Cheaha Creek	C7	2.25	100	5.4	0.3	481.2	NA
C-119	Cheaha Creek to Jackson Shoals	C7	2.62	105	5.8	0.4	481.0	NA
C-120	Cheaha Creek to Jackson Shoals	C8	3.24	130	2.7	0.5	483.8	0.80
C-121	Cheaha Creek to Jackson Shoals	C8	3.25	130	5.1	0.6	483.3	NA
C-122	Cheaha Creek to Jackson Shoals	C8	3.19	125	4.6	0.7	481.1	NA
C-123	Cheaha Creek to Jackson Shoals	C8	3.07	125	6.2	0.0	478.7	NA
C-124	Cheaha Creek to Jackson Shoals	C8	3.00	130	5.3	0.1	482.0	0.33
C-125	Cheaha Creek to Jackson Shoals	C8	2.53	110	5.9	0.1	NA	NA
C-126	Cheaha Creek to Jackson Shoals	C8	2.20	115	5.1	0.2	480.1	NA
C-127	Cheaha Creek to Jackson Shoals	C8	2.31	120	7.1	0.1	478.5	NA
C-128	Cheaha Creek to Jackson Shoals	C8	3.58	165	5.1	0.5	479.3	0.46
C-129	Cheaha Creek to Jackson Shoals	C8	2.75	125	5.8	0.1	479.0	NA
C-130	Cheaha Creek to Jackson Shoals	C8	3.86	155	6.7	0.4	478.2	NA

Table 4-11. Physical Characteristics of Choccolocco Creek Transects
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Transect	Reach	Ecological EU	Area (acres)	Width (ft)	Average Water Depth (ft)	Average Sediment Thickness (ft)	Average Creek Bed Elevation Elevation (ft) [1]	Surface Water Velocity (fps)
C-131	Cheaha Creek to Jackson Shoals	C8	2.67	135	7.4	0.4	477.7	NA
C-132	Cheaha Creek to Jackson Shoals	C8	2.95	145	8.3	0.8	477.8	0.27
C-133	Cheaha Creek to Jackson Shoals	C8	4.00	151	7.8	0.4	477.9	NA
C-134	Cheaha Creek to Jackson Shoals	C8	4.58	175	5.9	0.6	480.0	NA
C-135	Cheaha Creek to Jackson Shoals	C8	5.52	173	6.9	0.1	478.9	NA
C-136	Cheaha Creek to Jackson Shoals	C8	4.22	142	14.0	0.4	470.0	0.13
C-137	Cheaha Creek to Jackson Shoals	C8	3.94	195	9.1	1.1	475.4	NA
C-138	Cheaha Creek to Jackson Shoals	C8	5.43	220	7.7	0.8	476.6	NA
C-139	Cheaha Creek to Jackson Shoals	C8	3.81	158	12.6	0.9	471.8	NA
C-140	Cheaha Creek to Jackson Shoals	C8	3.11	205	8.7	0.5	475.1	0.15
C-141	Cheaha Creek to Jackson Shoals	C8	3.81	162	16.5	1.0	469.6	NA
C-142	Jackson Shoals	C8	5.99	231	8.2	0.9	476.6	0.16
C-145	Jackson Shoals	C9	3.95	164	3.8	0.2	463.7	0.56
C-146	Jackson Shoals	C9	3.67	156	6.9	0.0	459.4	NA
C-147	Jackson Shoals	C9	3.36	183	7.1	0.5	NA	NA
C-148	Jackson Shoals	C9	3.10	169	8.8	0.6	NA	NA
C-149	Jackson Shoals	C9	4.88	195	1.8	0.5	464.6	NA
C-150	Jackson Shoals	C9	6.01	180	1.6	0.1	464.8	NA
C-151	Jackson Shoals	C9	3.60	150	5.9	0.5	457.5	NA
C-152	Jackson Shoals	C9	3.78	230	4.6	0.2	458.3	0.19
C-153	Jackson Shoals	C9	6.90	310	6.4	0.2	456.9	NA
C-154	Jackson Shoals	C9	4.99	190	11.4	0.1	452.0	NA
C-155	Jackson Shoals	C9	4.75	200	10.4	0.0	453.6	NA
C-156	Jackson Shoals to Lake Logan Martin	C9	5.12	230	10.6	0.2	451.3	NA
C-157	Jackson Shoals to Lake Logan Martin	C9	6.89	290	10.0	0.7	453.6	0.060
C-158	Jackson Shoals to Lake Logan Martin	C9	6.13	245	13.6	1.3	450.1	NA
C-159	Jackson Shoals to Lake Logan Martin	C10	5.46	245	13.7	1.1	465.0	0.060
C-160	Jackson Shoals to Lake Logan Martin	C10	4.20	215	14.0	1.4	448.5	NA
C-161	Jackson Shoals to Lake Logan Martin	C10	5.00	220	13.9	1.8	445.8	0.010
C-162	Jackson Shoals to Lake Logan Martin	C10	8.80	360	8.8	0.9	454.1	NA
C-163	Jackson Shoals to Lake Logan Martin	C10	5.93	220	17.1	1.5	445.4	0.040
C-164	Jackson Shoals to Lake Logan Martin	C10	5.62	230	14.5	1.1	445.2	NA
C-165	Jackson Shoals to Lake Logan Martin	C10	5.10	230	14.4	0.4	448.3	NA
C-166	Jackson Shoals to Lake Logan Martin	C10	28.67	1,178	5.7	1.9	456.8	NA

Table 4-11. Physical Characteristics of Choccolocco Creek Transects
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Transect	Reach	Ecological EU	Area (acres)	Width (ft)	Average Water Depth (ft)	Average Sediment Thickness (ft)	Average Creek Bed Elevation Elevation (ft) [1]	Surface Water Velocity (fps)
C-167	Jackson Shoals to Lake Logan Martin	C10	20.79	875	8.7	3.1	454.2	NA
C-168	Jackson Shoals to Lake Logan Martin	C10	71.15	2,339	5.8	1.9	457.0	NA
C-169	Jackson Shoals to Lake Logan Martin	C10	35.86	1,059	6.8	2.3	455.9	NA
C-170	Jackson Shoals to Lake Logan Martin	C10	15.88	579	11.1	1.7	451.7	0.070
C-171	Jackson Shoals to Lake Logan Martin	C10	10.88	521	11.8	1.1	450.8	NA
C-172	Jackson Shoals to Lake Logan Martin	C10	7.54	335	16.6	1.3	443.5	NA
C-173	Jackson Shoals to Lake Logan Martin	C10	18.18	808	10.2	2.5	452.4	0.0
C-174	Jackson Shoals to Lake Logan Martin	C10	17.80	876	8.0	2.0	454.5	NA
C-175	Jackson Shoals to Lake Logan Martin	C10	13.11	510	14.3	0.6	448.4	NA
C-176	Jackson Shoals to Lake Logan Martin	C10	12.82	537	15.5	1.7	447.1	0.080
C-177	Jackson Shoals to Lake Logan Martin	C10	23.53	1,281	8.7	2.1	454.1	NA
C-178	Jackson Shoals to Lake Logan Martin	C10	19.00	1,022	9.2	2.1	453.6	NA
C-179	Jackson Shoals to Lake Logan Martin	C10	12.90	493	14.3	1.8	448.5	NA
C-180	Jackson Shoals to Lake Logan Martin	C10	16.52	654	15.1	2.3	447.7	NA
C-181	Jackson Shoals to Lake Logan Martin	C10	13.27	741	13.4	1.6	449.5	NA
C-182	Jackson Shoals to Lake Logan Martin	C10	7.29	858	13.1	1.8	449.9	NA
C-183	Jackson Shoals to Lake Logan Martin	C10	15.98	696	15.3	2.1	449.4	NA

1. Elevations are presented in reference to National Geodetic Vertical Datum of 1929.
These data were collected as part of the RCRA Off-Site Facility Investigation.
EU: exposure unit
fps: feet per second
ft: feet
NA: not applicable
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-12. Physical Characteristics of Choccolocco Creek Reaches
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Geographic Strata	Number of Transects	Estimated Length (mi)	Average Width (ft)	Average Water Depth (ft)	Average Sediment Thickness (ft)	Average Slope (ft/mi)	Average Creek Bed Elevation (ft) [1]	Average Surface Water Velocity (fps)
Backwater Area (upstream of Friendship Road)	12	0.6	48	2.8	1.9	5.5	592	0.3
Friendship Road to Coldwater Creek	40	8.2	68	2.9	1.00	3.8	575	1.4
Coldwater Creek to Cheaha Creek	72	14	109	3.4	0.30	5.4	518	0.9
Cheaha Creek to Jackson Shoals	23	4.5	148	7.4	0.50	1.8	478	0.4
Jackson Shoals	12	2.4	197	6.4	0.30	7.4	461	0.3 *
Jackson Shoals to Lake Logan Martin	28	5.5	637	12	1.6	0.50	451	0.0

1. Elevations are presented in reference to National Geodetic Vertical Datum of 1929.

*: Indicates that a limited number of velocity measurements were taken in the shoals area because of safety concerns.

These data were collected as part of the RCRA Off-Site Facility Investigation.

fps: feet per second
ft: feet
ft/mi: feet per mile
mi: miles
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-13a. Sediment Textural Classifications in Choccolocco Creek by Reach
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Geographic Strata	Cores Attempted	Cores Not Recovered	Core Description												
			OL/OH	PT	CH	CL	MH	ML	SC	SM	SP	SW	GM	GP	GW
Backwater Area (upstream of Friendship Road)	48	2	1	NA	NA	7	1	5	NA	10	1	13	1	NA	7
Friendship Rd to Coldwater Creek	160	16	1	1	NA	NA	NA	2	2	6	11	91	2	4	24
Coldwater Creek to Cheaha Creek	288	92	10	NA	NA	NA	NA	1	1	3	NA	155	NA	NA	26
Cheaha Creek to Jackson Shoals	92	33	NA	NA	NA	NA	NA	NA	NA	24	NA	33	1	-	1
Jackson Shoals	48	27	NA	NA	NA	NA	NA	NA	NA	6	1	5	1	6	2
Jackson Shoals to Lake Logan Martin	133	19	8	NA	3	7	12	45	10	14	5	10	NA	NA	NA

Table 4-13b. Description of Choccolocco Creek Cores by Strata
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Geographic Strata	Cores Attempted	Cores Not Recovered	Core Description					
			Fine Class				Coarse Class	
			Organics	Clays	Silts	Fine Sands	Coarse Sands	Gravels
Backwater Area (upstream of Friendship Road)	48	2	1	7	6	10	14	8
Friendship Road to Coldwater Creek	160	16	2	0	2	8	102	30
Coldwater Creek to Cheaha Creek	288	92	10	0	1	4	155	26
Cheaha Creek to Jackson Shoals	92	33	0	0	0	24	33	2
Jackson Shoals	48	27	0	0	0	6	6	9
Jackson Shoals to Lake Logan Martin	133	19	8	10	57	24	15	0

These data were collected as part of the RCRA Off-Site Facility Investigation.

CH: clay of high plasticity
CL: clay of low plasticity
GM: silty gravel
GP: poorly graded gravel
GW: well-graded gravel, fine to coarse gravel
MH: silt of high plasticity, elastic silt
ML: silt
NA: not applicable
OL/OH: organic clay, organic silt
OU: operable unit
PCB: polychlorinated biphenyl
PT: peat
SC: clayey sand
SM: silty sand
SP: poorly graded sand
SW: well-graded sand, fine to coarse sand

Table 4-14a. Estimated Choccolocco Creek Sediment Areas by Strata
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Geographic Strata	Total Area (acres)	Percent Fine Sediments (%)	Percent Coarse Sediments (%)	Percent Gravel (%)	Percent No Recovery (%)
Backwater Area (upstream of Friendship Road)	12	54	20	20	6
Friendship Road to Coldwater Creek	64	7	61	21	11
Coldwater Creek to Cheaha Creek	185	5	56	9	30
Cheaha Creek to Jackson Shoals	80	28	36	2.0	34
Jackson Shoals	55	12	11	20	57
Jackson Shoals to Lake Logan Martin	419	84	7	0	9
Total	**814**	**49**	**26**	**5**	**20**

Table 4-14b. Estimated Choccolocco Creek Sediment Volume Areas by Strata
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Geographic Strata	Total Volume (cy)	Percent Fine Sediments (%)	Percent Coarse Sediments (%)	Percent Gravel (%)
Backwater Area (upstream of Friendship Road)	54,600	72	16	12
Friendship Road to Coldwater Creek	154,300	12	62	26
Coldwater Creek to Cheaha Creek	117,800	12	79	9
Cheaha Creek to Jackson Shoals	93,400	46	50	4.0
Jackson Shoals	33,000	45	29	26
Jackson Shoals to Lake Logan Martin	1,448,300	94	6.0	0
Total	**1,901,400**	**78**	**18**	**4.0**

These data were collected as part of the RCRA Off-Site Facility Investigation.
%: percent
cy: cubic yards
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-15. Number of Choccolocco Creek Cores Selected for Laboratory Analysis by Strata
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Geographic Strata	Textural Strata [1]		
	Fine [2]	Coarse [3]	Gravel
Backwater Area (upstream of Friendship Road)	22/24	13/14	7/75
Friendship Road to Coldwater Creek	9/12	22/102	
Coldwater Creek to Cheaha Creek	10/15	22/155	
Cheaha Creek to Jackson Shoals	16/24	16/33	
Jackson Shoals	6/6	6/6	
Jackson Shoals to Lake Logan Martin	26/99	5/15	
Total	89/180	84/325	7/75

1. Numbers displayed include the analyzed number of cores over the total number of cores collected for each
2. Fine cores consist of organic material, clays, silts, and fine sands.
3. Coarse cores consist of coarse sands.

These data were collected as part of the RCRA Off-Site Facility Investigation.
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-16. Choccolocco Creek Cores Selected for Laboratory Analyses
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Reach	Textural Class	Sediment Core	PCB Analysis	Select Metal Analysis	Wet-Sieve Analysis	ADEM Split	Number of Samples
Backwater Area (upstream of Friendship Road)	Coarse	CU-005-02	Yes	No	No	No	4
	Coarse	CU-005-03	Yes	No	No	No	1
	Coarse	CU-006-01	Yes	No	No	No	4
	Coarse	CU-006-02	Yes	No	No	No	5
	Coarse	CU-006-03	Yes	Yes*	No	No	7
	Coarse	CU-006-04	Yes	No	No	No	4
	Coarse	CU-007-01	Yes	No	No	No	2
	Coarse	CU-007-02	Yes	No	No	No	3
	Coarse	CU-007-03	Yes	No	No	No	4
	Coarse	CU-007-04	Yes	No	No	No	5
	Coarse	CU-010-01	Yes	Yes*	No	No	5
	Coarse	CU-010-02	Yes	No	No	No	3
	Coarse	CU-011-02	Yes	No	No	No	5
	Fine	C-001-SED-4	Yes	No	No	No	3
	Fine	CU-005-01	Yes	No	No	No	3
	Fine	CU-005-04	Yes	No	No	No	2
	Fine	CU-008-01	Yes	No	No	No	3
	Fine	CU-008-02	Yes	No	No	No	5
	Fine	CU-008-03	Yes	Yes*	No	No	4
	Fine	CU-008-04	Yes	No	No	No	4
	Fine	CU-009-01	Yes	No	No	No	3
	Fine	CU-009-02	Yes	No	No	No	5
	Fine	CU-009-03	Yes	No	No	No	3
	Fine	CU-009-04	Yes	No	No	No	4
	Fine	CU-010-03	Yes	No	No	No	3
	Fine	CU-010-04	Yes	No	No	No	3
	Fine	CU-011-01	Yes	No	No	No	3
	Fine	CU-011-03	Yes	No	No	No	6
	Fine	CU-011-04	Yes	No	No	No	4
	Fine	C-U1-SED-1	Yes	No	No	No	2
	Fine	C-U2-SED-1	Yes	No	No	No	5
	Fine	C-U2-SED-2	No	No	Yes	No	5
	Fine	C-U2-SED-3	Yes	No	No	No	4
	Fine	C-U2-SED-4	Yes	No	No	No	4
	Fine	C-U3-SED-4	Yes	Yes	No	Yes	3
	Gravel	C-002-SED-3	Yes	No	No	No	2
Friendship Road to Coldwater Creek	Coarse	C-005-SED-1	Yes	No	No	No	2
	Coarse	C-008-SED-2	Yes	No	No	No	2
	Coarse	C-011-SED-1	No	No	Yes	No	5
	Coarse	C-013-SED-3	Yes	No	No	No	2
	Coarse	C-014-SED-1	Yes	No	No	No	2
	Coarse	C-014-SED-3	Yes	No	No	No	2
	Coarse	C-015-SED-3	Yes	No	No	No	2
	Coarse	C-016-SED-3	Yes	No	No	No	3
	Coarse	C-017-SED-2	Yes	No	No	No	3
	Coarse	C-021-SED-4	Yes	No	No	No	4
	Coarse	C-022-SED-3	No	No	Yes	No	5
	Coarse	C-024-SED-2	Yes	No	No	No	1
	Coarse	C-026-SED-2	Yes	No	No	No	2
	Coarse	C-031-SED-1	Yes	No	No	No	2
	Coarse	C-031-SED-4	Yes	No	No	Yes	3
	Coarse	C-032-SED-3	Yes	No	No	No	2
	Coarse	C-033-SED-2	Yes	No	No	No	2
	Coarse	C-036-SED-1	Yes	No	No	No	2
	Coarse	C-041-SED-3	Yes	No	No	No	2
	Coarse	C-042-SED-2	Yes	No	No	No	1
	Coarse	C-043-SED-4	Yes	No	No	No	1

Table 4-16. Choccolocco Creek Cores Selected for Laboratory Analyses
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Reach	Textural Class	Sediment Core	PCB Analysis	Select Metal Analysis	Wet-Sieve Analysis	ADEM Split	Number of Samples
Friendship Road to Coldwater Creek (cont.)	Coarse	C-045-SED-4	Yes	No	No	No	1
	Fine	C-005-SED-2	Yes	Yes	No	Yes	3
	Fine	C-008-SED-4	Yes	No	No	No	3
	Fine	C-009-SED-1	Yes	No	No	No	4
	Fine	C-010-SED-4	Yes	No	No	No	3
	Fine	C-011-SED-3	Yes	No	No	No	2
	Fine	C-011-SED-4	Yes	No	No	No	2
	Fine	C-013-SED-4	Yes	Yes	No	Yes	3
	Fine	C-028-SED-2	Yes	No	No	No	3
	Fine	C-039-SED-2	Yes	No	No	No	2
	Gravel	C-029-SED-2	Yes	No	No	No	1
Coldwater Creek to Cheaha Creek	Coarse	C-048-SED-1	Yes	No	No	No	1
	Coarse	C-051-SED-4	Yes	No	No	No	1
	Coarse	C-053-SED-2	Yes	No	No	No	1
	Coarse	C-054-SED-4	Yes	No	No	No	2
	Coarse	C-059-SED-3	Yes	No	No	No	2
	Coarse	C-060-SED-4	Yes	No	No	No	2
	Coarse	C-063-SED-1	Yes	No	No	No	2
	Coarse	C-064-SED-1	Yes	No	No	No	1
	Coarse	C-065-SED-3	Yes	No	No	No	2
	Coarse	C-068-SED-1	Yes	No	No	No	1
	Coarse	C-070-SED-4	Yes	No	No	No	1
	Coarse	C-074-SED-1	Yes	No	No	No	1
	Coarse	C-082-SED-2	Yes	No	No	No	1
	Coarse	C-086-SED-3	Yes	No	No	No	1
	Coarse	C-100-SED-1	No	No	Yes	No	4
	Coarse	C-101-SED-4	No	No	Yes	No	4
	Coarse	C-106-SED-3	Yes	No	No	No	2
	Coarse	C-111-SED-2	Yes	No	No	No	2
	Coarse	C-112-SED-2	Yes	No	No	No	1
	Coarse	C-113-SED-3	Yes	No	No	No	1
	Coarse	C-115-SED-1	Yes	No	No	No	2
	Coarse	C-115-SED-2	Yes	No	No	No	1
	Fine	C-056-SED-1	Yes	No	No	No	3
	Fine	C-060-SED-2	Yes	No	No	No	1
	Fine	C-062-SED-3	Yes	No	No	No	1
	Fine	C-071-SED-1	Yes	Yes	No	Yes	2
	Fine	C-092-SED-3	Yes	No	No	No	2
	Fine	C-097-SED-4	Yes	No	No	No	2
	Fine	C-101-SED-1	Yes	No	No	Yes	2
	Fine	C-102-SED-4	Yes	No	No	No	2
	Fine	C-114-SED-1	Yes	No	No	No	2
	Fine	C-118-SED-1	Yes	No	No	No	2
	Gravel	C-049-SED-4	Yes	No	No	No	1
	Gravel	C-066-SED-2	Yes	No	No	No	1
	Gravel	C-099-SED-4	Yes	No	No	No	1

Table 4-16. Choccolocco Creek Cores Selected for Laboratory Analyses
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Reach	Textural Class	Sediment Core	PCB Analysis	Select Metal Analysis	Wet-Sieve Analysis	ADEM Split	Number of Samples
Cheaha Creek to Jackson Shoals	Coarse	C-119-SED-2	Yes	No	No	No	1
	Coarse	C-119-SED-4	Yes	No	No	No	2
	Coarse	C-121-SED-1	Yes	No	No	No	2
	Coarse	C-121-SED-3	Yes	No	No	No	2
	Coarse	C-122-SED-1	Yes	No	No	No	1
	Coarse	C-124-SED-3	Yes	No	No	No	2
	Coarse	C-128-SED-2	Yes	No	No	No	2
	Coarse	C-130-SED-3	Yes	No	No	No	1
	Coarse	C-130-SED-4	Yes	No	No	No	2
	Coarse	C-132-SED-2	Yes	No	No	No	2
	Coarse	C-132-SED-3	Yes	No	No	No	2
	Coarse	C-134-SED-2	Yes	No	No	Yes	2
	Coarse	C-136-SED-2	Yes	No	No	No	2
	Coarse	C-138-SED-3	Yes	No	No	No	2
	Coarse	C-138-SED-4	No	No	Yes	No	5
	Coarse	C-141-SED-4	Yes	No	No	No	4
	Fine	C-120-SED-1	Yes	No	No	Yes	3
	Fine	C-125-SED-1	Yes	No	No	No	1
	Fine	C-126-SED-1	Yes	No	No	No	2
	Fine	C-131-SED-1	Yes	No	No	No	2
	Fine	C-133-SED-4	Yes	No	No	No	1
	Fine	C-134-SED-1	No	No	Yes	No	5
	Fine	C-135-SED-1	Yes	No	No	No	1
	Fine	C-137-SED-1	Yes	No	No	No	2
	Fine	C-137-SED-2	Yes	No	No	No	2
	Fine	C-137-SED-3	Yes	No	No	No	3
	Fine	C-137-SED-4	Yes	No	No	No	3
	Fine	C-138-SED-1	Yes	No	No	No	2
	Fine	C-139-SED-3	Yes	No	No	No	4
	Fine	C-139-SED-4	Yes	No	No	No	2
	Fine	C-140-SED-1	Yes	No	No	No	2
	Fine	C-141-SED-2	Yes	No	No	No	3
Jackson Shoals	Coarse	C-142-SED-3	Yes	No	No	No	2
	Coarse	C-145-SED-1	Yes	No	No	No	2
	Coarse	C-147-SED-1	Yes	No	No	No	2
	Coarse	C-147-SED-3	Yes	No	No	No	2
	Coarse	C-151-SED-3	Yes	No	No	No	3
	Coarse	C-154-SED-1	Yes	No	No	No	1
	Fine	C-142-SED-4	Yes	No	No	No	4
	Fine	C-147-SED-2	Yes	No	No	No	2
	Fine	C-148-SED-2	Yes	No	No	No	2
	Fine	C-148-SED-3	Yes	No	No	No	2
	Fine	C-148-SED-4	Yes	Yes	No	Yes	2
	Fine	C-153-SED-2	Yes	No	No	No	2
	Gravel	C-150-SED-1	Yes	No	No	No	1
	Gravel	C-153-SED-4	Yes	No	No	No	1

Table 4-16. Choccolocco Creek Cores Selected for Laboratory Analyses
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Reach	Textural Class	Sediment Core	PCB Analysis	Select Metal Analysis	Wet-Sieve Analysis	ADEM Split	Number of Samples
Jackson Shoals to Lake Logan Martin	Coarse	C-158-SED-3	Yes	No	No	No	3
	Coarse	C-159-SED-3	Yes	No	No	No	1
	Coarse	C-160-SED-3	Yes	No	No	No	3
	Coarse	C-161-SED-1	Yes	No	No	No	2
	Coarse	C-161-SED-2	Yes	No	No	No	2
	Fine	C-157-SED-1	Yes	No	No	No	2
	Fine	C-157-SED-2	Yes	No	No	Yes	3
	Fine	C-162-SED-3	Yes	Yes	No	No	3
	Fine	C-164-SED-1	Yes	No	No	No	3
	Fine	C-164-SED-4	Yes	No	No	No	3
	Fine	C-165-SED-2	Yes	Yes	No	No	2
	Fine	C-166-SED-6	Yes	Yes	No	No	2
	Fine	C-168-SED-2	Yes	No	No	No	2
	Fine	C-169-SED-5	Yes	Yes	No	Yes	4
	Fine	C-170-SED-1	Yes	No	No	No	4
	Fine	C-170-SED-5	Yes	No	No	No	3
	Fine	C-172-SED-2	Yes	Yes	No	No	3
	Fine	C-173-SED-4	Yes	No	No	No	3
	Fine	C-174-SED-5	Yes	Yes	No	No	3
	Fine	C-175-SED-1	Yes	No	No	No	2
	Fine	C-176-SED-2	Yes	Yes	No	Yes	4
	Fine	C-176-SED-5	Yes	No	No	No	3
	Fine	C-177-SED-2	Yes	Yes	No	No	3
	Fine	C-177-SED-3	Yes	No	No	No	2
	Fine	C-178-SED-3	Yes	No	No	No	3
	Fine	C-180-SED-2	No	No	Yes	No	5
	Fine	C-180-SED-4	Yes	Yes	No	No	4
	Fine	C-181-SED-3	Yes	No	No	No	3
	Fine	C-181-SED-5	Yes	No	No	No	3
	Fine	C-182-SED-4	Yes	Yes	No	Yes	2
	Fine	C-183-SED-5	Yes	No	No	No	2

Yes*: Indicates samples were run for a full suite of analytes, in addition to selected metals.
These data were collected as part of the RCRA Off-Site Facility Investigation.
ADEM: Alabama Department of Environmental Management
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-17. Summary of PCB Data from Geochronological Cores
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Sample ID	Date	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Total PCB (mg/kg)
CU-GEO-01	C10607	30/06/07	0.0	0.5	3.6
CU-GEO-01	C10608	30/06/07	0.5	1.0	3.8
CU-GEO-01	C10609	30/06/07	1.0	2.0	5.2
CU-GEO-01	C10610	30/06/07	2.0	4.0	0.67
CU-GEO-01	C10611	30/06/07	6.0	8.0	0.055 U
CU-GEO-01	C10612	30/06/07	10.0	12.0	0.046 U
CU-GEO-01	C10613	30/06/07	14.0	16.0	0.26
CU-GEO-01	C10614	30/06/07	18.0	20.0	0.042 U
CU-GEO-02	C10615	30/06/07	0.0	0.5	21 J
CU-GEO-02	C10616	30/06/07	0.5	1.0	19 J
CU-GEO-02	C10617	30/06/07	1.0	2.0	13 J
CU-GEO-02	C10618	30/06/07	2.0	4.0	1.3 J
CU-GEO-02	C10619	30/06/07	6.0	8.0	190
CU-GEO-02	C10620	30/06/07	10.0	12.0	260
CU-GEO-02	C10621	30/06/07	14.0	16.0	290
CU-GEO-02	C10622	30/06/07	18.0	20.0	920
CU-GEO-02	C10623	30/06/07	22.0	24.0	170
CU-GEO-02	C10624	30/06/07	26.0	28.0	15
CU-GEO-02	C10625	30/06/07	30.0	32.0	0.31
MLM-GEO-4	L10114	04/05/99	0.0	0.50	0.030 J
MLM-GEO-4	L10115	04/05/99	0.5	1.0	0.092 UJ
MLM-GEO-4	L10117	04/05/99	2.0	4.0	0.028 J
MLM-GEO-4	L10119	04/05/99	6.0	8.0	0.082 UJ
MLM-GEO-4	L10121	04/05/99	10	12	0.082 UJ
MLM-GEO-4	L10123	04/05/99	14	16	0.088 UJ
MLM-GEO-4	L10125	04/05/99	18	20	0.092 UJ
MLM-GEO-4	L10127	04/05/99	22	24	0.086 UJ
MLM-GEO-4	L10129	04/05/99	26	28	0.083 UJ
MLM-GEO-4	L10131	04/05/99	30	32	0.082 UJ
MLM-GEO-5	L10241	05/02/00	0.0	0.5	0.12 J
MLM-GEO-5	L10242	05/02/00	0.5	1.0	0.13 J
MLM-GEO-5	L10243	05/02/00	1.0	2.0	0.22
MLM-GEO-5	L10244	05/02/00	2.0	4.0	0.26 J
MLM-GEO-5	L10246	05/02/00	6.0	8.0	0.33 J
MLM-GEO-5	L10248	05/02/00	10	12	0.30 J
MLM-GEO-5	L10250	05/02/00	14	16	0.56
MLM-GEO-5	L10252	05/02/00	18	20	0.48
MLM-GEO-5	L10254	05/02/00	22	24	0.076
MLM-GEO-5	L10256	05/02/00	26	28	0.14
MLM-GEO-5	L10258	05/02/00	30	32	0.082 U
MLM-GEO-7	L10260	05/03/00	0.0	0.5	0.10 J
MLM-GEO-7	L10261	05/03/00	0.5	1.0	0.14 J
MLM-GEO-7	L10262	05/03/00	1.0	2.0	0.18
MLM-GEO-7	L10263	05/03/00	2.0	4.0	0.49 J
MLM-GEO-7	L10266	05/03/00	6.0	8.0	0.83
MLM-GEO-7	L10265	05/03/00	6.0	8.0	0.67
MLM-GEO-7	L10268	05/03/00	10	12	0.77

Table 4-17. Summary of PCB Data from Geochronological Cores
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Sample ID	Date	Sediment Depth to Top (in)	Sediment Depth to Bottom (in)	Total PCB (mg/kg)
MLM-GEO-7	L10270	05/03/00	14	16	0.56 J
MLM-GEO-7	L10272	05/03/00	18	20	1.1
MLM-GEO-7	L10274	05/03/00	22	24	0.70
MLM-GEO-7	L10276	05/03/00	26	28	0.10 U
MLM-GEO-7	L10278	05/03/00	30	32	0.082 U
MLM-GEO-7	L10280	05/03/00	34	36	0.083 U
MLM-GEO-7	L10282	05/03/00	38	40	0.084 U
MLM-GEO-7	L10284	05/03/00	42	44	0.084 U
MLM-GEO-7	L10286	05/03/00	46	48	0.082 U
MLM-GEO-7	L10288	05/03/00	50	52	0.081 U
MLM-GEO-7	L10290	05/03/00	54	56	0.081 U

These data were collected as part of the RCRA Off-Site Facility Investigation.
J: The compound/analyte was positively identified. The associated numerical value is an estimated concentration.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was analyzed for but not detected. The associated numerical value is an estimate.
in: inches
mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-18. Summary of Choccolocco Creek Wet Sieve Analyses
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

BBL ID	Field Sample ID [1]	TOC (mg/kg)	Total PCB (mg/kg)
C90001	C-011-SIEVE-1A	940	0.17
C90002	C-011-SIEVE-1B	770	0.48
C90003	C-011-SIEVE-1B	850	0.38 J
C90004	C-011-SIEVE-1C	1,200 T	0.58 T
C90005	C-011-SIEVE-1E	-	0.71 T
C90006	C-022-SIEVE-3A	17,000	0.38 J
C90007	C-022-SIEVE-3B	2,700	0.90 J
C90008	C-022-SIEVE-3C	2,100	0.56
C90009	C-022-SIEVE-3D	15,000 T	20 JT
C90010	C-022-SIEVE-3E	25,000 T	0.28 T
C90011	C-100-SIEVE-1A	610	0.076 U
C90012	C-100-SIEVE-1B	500 U	0.086 U
C90013	C-100-SIEVE-1B	500 U	0.081 U
C90014	C-100-SIEVE-1E	-	0.13 UT
C90015	C-101-SIEVE-4A	780	0.069 U
C90016	C-101-SIEVE-4B	1,800	0.15 J
C90017	C-101-SIEVE-4C	1,700	0.79 J
C90018	C-101-SIEVE-4E	16,000 T	0.76 T
C90019	C-134-SIEVE-1A	860 T	0.067 UT
C90020	C-134-SIEVE-1B	1,600	0.080 U
C90021	C-134-SIEVE-1C	2,700	0.18 U
C90022	C-134-SIEVE-1D	26,000 T	0.40 UT
C90023	C-134-SIEVE-1E	20,000	0.18 U
C90024	C-138-SIEVE-4A	6,800	0.073 U
C90025	C-138-SIEVE-4B	790	0.082 U
C90026	C-138-SIEVE-4C	2,000	0.17 U
C90027	C-138-SIEVE-4D	-	0.50 UT
C90028	C-138-SIEVE-4E	24,000	0.18
C90029	C-180-SIEVE-2A	52,000	0.069 J
C90030	C-180-SIEVE-2B	20,000	0.22
C90031	C-180-SIEVE-2C	18,000	0.040 J
C90032	C-180-SIEVE-2D	33,000	0.52
C90033	C-180-SIEVE-2E	21,000	0.17
C90034	C-U2-SIEVE-2A	93,000	1.4
C90035	C-U2-SIEVE-2B	15,000	0.55
C90036	C-U2-SIEVE-2C	7,100	2.0
C90037	C-U2-SIEVE-2D	32,000	6.1
C90038	C-U2-SIEVE-2E	18,000	8.0

These data were collected as part of the RCRA Off-Site Facility Investigation.

A: Indicates sample passed a #10 Sieve.

B: Indicates sample passed a #10 Sieve and was retained on a #40 Sieve.

C: Indicates sample passed a #40 Sieve and was retained on a #100 Sieve.

D: Indicates sample passed a #100 Sieve and was retained on a #200 Sieve.

E: Indicates sample passed a #200 Sieve.

J: The analyte was positively identified. The associated numerical value is an estimated concentration.

T: Indicates laboratory results presented on a wet-weight basis and were converted to dry-weight basis using as assumed solids content of 80%.

U: The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.

BBL: Blasland, Bouck & Lee Inc. (now Arcadis)

ID: identification

mg/kg: milligram(s) per kilogram

OU: operable unit

PCB: polychlorinated biphenyl

TOC: total organic carbon

Table 4-19. Summary of Sediment Trap Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	Location ID	Northing	Easting	Sample Name	Date	QC Notes	Result Units	TOC	Total PCBs
RFI Sed Trap	SE-U1-1	1,128,819.7	659,703.9	NS		Sampling device relocated 600 ft from original location during high-flow event			
RFI Sed Trap	SE-U2-1	1,127,930.8	658,873.1	TR0001	21-Feb-02		mg/kg	26,000	0.84 J
RFI Sed Trap	SE-U3-1	1,127,341.7	659,619.5	NS		Sampling device not located			
RFI Sed Trap	SE-U4-1	1,130,079.0	669,220.0	TR0002	21-Feb-02		mg/kg	28,000	2.87 J
RFI Sed Trap	SE-U4-1	1,130,079.0	669,220.0	TR0003	21-Feb-02	Duplicate of TR0002	mg/kg	35,000	3.27 J

These data were collected as part of the RCRA Off-Site Facility Investigation.
J: The compound/analyte was positively identified; however, the associated numerical value is an estimated concentration only.
ft: feet
mg/kg: milligram(s) per kilogram
NS: not sampled
OU: operable unit
PCB: polychlorinated biphenyl
QC: quality control
RFI: Resource Conservation and Recovery Act (RCRA) Facility Investigation
Sed: sediment
TOC: total organic carbon

Table 4-20. Surface Water Particulate Data - Automated Sampler Results
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location	Sample ID	Date	Begin Time	Duration (hr)	Average Flow (cfs)	Instantaneous TSS (mg/L)	Composite TSS (mg/L)	Particulate PCB (mg/kg)	Calculated Whole-Water PCB (µg/L)
Jackson Shoals	JS-SS-1	9/29/99	14:05	24	170	-	7.5	0.17 J	0.0013
Jackson Shoals	JS-SS-2	10/4/99	14:00	24	170	16 J	12 J	2	0.024
Jackson Shoals	JS-SS-3	10/10/99	10:20	24	440	32	28 J	0.95 J	0.027
Jackson Shoals	JS-SS-4	10/11/99	16:00	24	310	14	12 J	0.010 J	0.00012
Jackson Shoals	JS-SS-5	10/20/99	11:25	24	160	7.5	9 J	2.6	0.023
Jackson Shoals	JS-SS-6	10/27/99	10:10	23	150	5.0 U	7.5 J	2.9	0.021
Jackson Shoals	JS-SS-7	11/2/99	11:30	2	500	-	24 J	1.1 J	0.026
Jackson Shoals	JS-SS-8	11/2/99	13:45	2	460	22 J	29 J	0.56	0.016
Jackson Shoals	JS-SS-9	11/2/99	20:05	6	310	24 J	12 J	1.9	0.022
Jackson Shoals	JS-SS-10	11/10/99	9:00	24	170	7	6.0	1.7 J	0.010
Jackson Shoals	JS-SS-11	11/17/99	8:45	24	150	6	7.0	2.6	0.018
Jackson Shoals	JS-SS-12	12/1/99	8:28	24	130	10	10 J	3.2	0.032
Jackson Shoals	JS-SS-13	1/23/00	12:30	2	1,000	-	28	1.4	0.038
Jackson Shoals	JS-SS-14	1/23/00	16:58	2	1,300	8	22 J	1.2	0.026
Jackson Shoals	JS-SS-15	1/24/00	10:23	2	870	5.0 U	45 J	2.1	0.096
Jackson Shoals	JS-SS-16	2/14/00	14:14	2.3	1,400	54	30 J	1.3	0.038
Jackson Shoals	JS-SS-17	2/14/00	16:34	2	1,400	28	29 J	1.7	0.050
Jackson Shoals	JS-SS-18	2/16/00	9:00	2	680	15	24 J	2.0	0.049
Jackson Shoals	JS-SS-19	3/20/00	9:09	2	2,500	110 J	94 J	1.8 J	0.17
Jackson Shoals	JS-SS-20	3/20/00	12:53	2	2,400	140 J	230 J	2.2 J	0.50
Jackson Shoals	JS-SS-21	3/23/00	8:50	2	1,100	110 J	20 J	1.3 J	0.026
Jackson Shoals	JS-SS-22	4/2/00	18:03	2	2,000	7.5 J	26 J	2.6 J	0.067
Jackson Shoals	JS-SS-23	4/3/00	10:07	2	3,500	190	270	0.67 J	0.18
Jackson Shoals	JS-SS-24	4/4/00	8:42	2	7,500	61	390	2.4 J	0.92
Jackson Shoals	JS-SS-25	4/6/00	8:50	2	4,300	820	53	3.3 J	0.17
Jackson Shoals	JS-SS-26	1/20/01	12:40	2.2	1,800	88	99	1.4	0.14
Jackson Shoals	JS-SS-27	1/21/01	14:00	2.1	1,300	75	40	1.4	0.055
Jackson Shoals	JS-SS-28	1/23/01	9:45	2.1	780	10	15	1.2 J	0.014
Jackson Shoals	JS-SS-29	1/30/01	13:05	2.1	1,400	22	27	1.4	0.037
Jackson Shoals	JS-SS-30	1/30/01	15:10	2.2	1,200	18	12	1.6	0.024
Jackson Shoals	JS-SS-31	2/17/01	13:06	2	1,600	42	36	2.0	0.071
Jackson Shoals	JS-SS-32	2/19/01	9:45	2	1,100	27	19	1.7 J	0.033

Table 4-20. Surface Water Particulate Data - Automated Sampler Results
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location	Sample ID	Date	Begin Time	Duration (hr)	Average Flow (cfs)	Instantaneous TSS (mg/L)	Composite TSS (mg/L)	Particulate PCB (mg/kg)	Calculated Whole-Water PCB (µg/L)
Jackson Shoals	JS-SS-33	2/22/01	13:45	2	750	20	18	1.3 J	0.024
Jackson Shoals	JS-SS-34	2/23/01	11:01	2	1,100	26	36	1.1 JN	0.040
Jackson Shoals	JS-SS-35	2/26/01	10:20	2	2,500	69	72	1.6 JN	0.11
Jackson Shoals	JS-SS-36	2/27/01	9:45	2	1,900	33	35	1.2 JN	0.040
Jackson Shoals	JS-SS-37	3/22/01	17:00	<0.1	4,700	-	37	-	-
Jackson Shoals	JS-SS-37	3/22/01	17:10	<0.1	4,700	-	35	-	-
Jackson Shoals	JS-SS-37	3/22/01	17:20	<0.1	4,700	-	38	-	-
Jackson Shoals	JS-SS-38	3/23/01	8:45	<0.1	3,300	-	29	-	-
Jackson Shoals	JS-SS-38	3/23/01	8:50	<0.1	3,300	-	30	-	-
Jackson Shoals	JS-SS-38	3/23/01	8:55	<0.1	3,300	-	30	-	-
Highway 77	77-SS-1	3/23/99	11:35	0.3	780	-	12	2.7	0.033
Highway 77	77-SS-2	7/1/99	16:25	0.3	1,300	-	26	1.0	0.027
Highway 77	77-SS-3	5/3/99	18:08	0.3	240	-	16	1.5	0.024
Highway 77	77-SS-4	5/26/99	14:50	0.3	460	-	7.0	0.20 J	0.0014
Highway 77	77-SS-5	6/14/99	13:42	0.6	210	-	4.3	0.11 J	0.00046
Highway 77	77-SS-6	9/28/99	10:35	0.6	120	-	6.5	0.25	0.0016
Highway 77	77-SS-7	1/19/00	11:15	0.4	270	-	12.5	2	0.024
Highway 77	77-SS-8	3/21/01	13:45	0.8	7,100	-	73	2.5	0.18
Highway 77	77-SS-9	3/21/01	15:15	0.5	6,800	-	72	2.5	0.18
Highway 77	77-SS-10	3/22/01	11:10	0.6	5,200	-	41	2.6	0.11
Friendship Road	CC020602 1-10	2/6/02	17:20	0	680	-	75/75	1.3 J	0.10
Friendship Road	CC031202 1-10	3/12/02	15:40	24	500	-	210/160	2.1 J	0.38
Friendship Road	CC040102 1-10	4/1/02	13:30	48	600	-	99/83	1.4	0.13
Friendship Road	CC050302 1-10	5/3/02	9:30	48	940	-	160/150	3.4	0.53
Friendship Road	CC092502 1-10	9/25/02	18:30	48	650	-	180/110	3.0 J	0.44
Friendship Road	CC110502 1-10	11/5/02	7:45	8	530	-	77/73	4.9 JN	0.37
Oxford Park	SC012201 1-10	1/19/02	9:00	8	480	-	270 J/ 190 J	5.2 D	1.2
Oxford Park	SC012502 1-8	1/25/02	8:10	8	260	-	78/250	6.0 DJ	0.98
Oxford Park	SC020602 1-10	2/6/02	16:00	0	220	-	41/35	5.9 D	0.22
Oxford Park	SC031202 1-2	3/12/02	15:20	8	150	-	620	7.5 DJ	4.7
Oxford Park	SC033002 1-10	3/30/02	19:30	8	220	-	400/390	2.8 DJ	1.1
Oxford Park	SC050302 1-10	5/3/02	8:45	8	150	-	290/390	0.51 J	0.17
Oxford Park	SC0604022 1-10	6/4/02	15:40	8	130	-	480/350	1.7 J	0.68
Oxford Park	SC061402 1-10	6/14/02	15:40	8	120	-	180/270	0.27 J	0.060
Oxford Park	SC071002 1-10	7/10/02	18:00	8	210	-	220/230	5.4 J	1.2

Table 4-20. Surface Water Particulate Data - Automated Sampler Results
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location	Sample ID	Date	Begin Time	Duration (hr)	Average Flow (cfs)	Instantaneous TSS (mg/L)	Composite TSS (mg/L)	Particulate PCB (mg/kg)	Calculated Whole-Water PCB (µg/L)
Oxford Park	SC081702 1-10	8/17/02	14:00	8	150	-	110/120	1.1 J	0.12
Oxford Park	SC082802 1-10	8/28/02	7:30	8	150	-	270/280	4.1 J	1.1
Oxford Park	SC092202 1-10	9/22/02	1:00	8	210	-	230/210	1.6 D	0.36
Oxford Park	SC092502 1-10	9/25/02	10:00	8	210	-	100	6.3 J	0.63
Oxford Park	SC102902 1-10	10/29/02	3:00	8	160	-	450/400	2.5 JN	1.1
Oxford Park	SC102902 1-10B	10/29/02	20:00	8	160	-	150/140	3.6 JN	0.51
Oxford Park	SC111102 1-10	11/11/02	2:00	8	300	-	340/310	5.7 JN	1.9
Oxford Park	SC111502 1-10	11/15/02	21:00	8	170	-	170/160	5.0 JN	0.83

These data were collected as part of the RCRA Off-Site Facility Investigation.
J: The associated numerical value is an estimated concentration.
N: Indicates an analyte for which there is presumptive evidence to make a tentative identification.
U: The analyte was analyzed for but not detected. The associated value is the compound quantitation limit.
Flows based on provisional United States Geological Survey (USGS) gage data for Choccolocco Creek locations.
Flows at Oxford Park were calculated from stage data.
Instantaneous TSS concentration was taken at the beginning of the sampling period.
The total PCB concentration was calculated as the sum of detected Aroclors.
Whole-water PCB (µg/L) is calculated based upon the particulate PCB concentration and the composite TSS concentration.
Analytical data were validated in accordance with the Supplemental Quality Assurance/Sampling and Analysis Project Plan for the Off-Site Portion of the RFI/CS Program (BBL 1999b).
Average flow, instantaneous TSS, composite TSS, particulate PCB, and calculated whole-water PCB results were reported to two significant figures.
-: Indicates analysis was not performed.
BBL: Blasland, Bouck, and Lee Inc. (now Arcadis)
cfs: cubic feet per second
D: Concentration is based on a diluted sample analysis.
hr: hour
mg/kg: milligram(s) per kilogram
mg/L: milligram(s) per liter
OU: operable unit
PCB: polychlorinated biphenyl
RCRA: Resource Conservation and Recovery Act
RFI/CS: RCRA Facility Investigation/Confirmatory Sampling
TSS: total suspended solids
µg/L: microgram(s) per liter

Table 4-21. Surface Water Particulate Data - Results of Manually Collected Samples
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location No.	Location	Flow Event Type	No.	Date	Flow (cfs)	TSS (mg/L)	Particulate Total PCB (mg/kg)	Calculated Whole Water PCB (µg/L)
1	Snow Street	Base	1	March 22-23, 1999	16	17	9.9	0.17
			4	May 3-4, 1999	5.0	20	2.7	0.054
			5	May 26-27, 1999	3.4	5.0 U	0.99 J	0.0025
			6	June 14, 1999	2.6	5.0 U	0.91 J	0.0023
			7	September 27-28, 1999	1.6	5.0 U	0.18	0.00046
			8	January 18, 2000	2.9	5.0 U	16 J	0.041
		High	3	April 27, 1999	205	230	3.7	0.85
			3	April 27, 1999	135	280	3.3	0.93
2	Flatbridge Road	Base	1	March 22-23, 1999	446	23	2.7	0.062
			4	May 3-4, 1999	159	18	1.7	0.031
			5	May 26-27, 1999	119	14/14	0.43 J/0.35 J	0.0055
			6	June 14, 1999	92	14	0.44 J	0.0062
			7	September 27-28	41	8	0.16	0.0013
			8	January 19, 2000	112	15	6.8 J	0.10
		High	2	April 1, 1999	594	44	1.6	0.069
3	Highway 77	Base	1	March 22-23, 1999	783	12	2.7	0.033
			4	May 3-4, 1999	241	16	1.5	0.024
			5	May 26-27, 1999	462	7	0.20 J	0.0014
			6	June 14, 1999	213	6/5.0 U	0.050 UJ/0.19 J	0.00046
			7	September 27-28, 1999	116	7/6	0.23/0.26 J	0.0016
			8	January 19, 2000	268	13/12	2.5/1.4 J	0.024
		High	2	April 1, 1999	1,264	26	1.0	0.027
7	Eastaboga Creek	Base	1	March 22-23, 1999	37	5.0 U	-	-
			4	May 3-4, 1999	18	30	-	-
			5	May 26-27, 1999	11	12	-	-
			6	June 14, 1999	11	13	-	-
			7	September 27-28, 1999	5.2	20	-	-
			8	January 19, 2000	68	5.0 U	-	-
		High	2	April 1, 1999	75	25	-	-

Table 4-21. Surface Water Particulate Data - Results of Manually Collected Samples
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location No.	Location	Flow Event Type	No.	Date	Flow (cfs)	TSS (mg/L)	Particulate Total PCB (mg/kg)	Calculated Whole Water PCB (µg/L)
8	Cheaha Creek	Base	1	March 22-23, 1999	187	5.0 U	-	-
			4	May 3-4, 1999	87	24	-	-
			5	May 26-27, 1999	81	5.0 U	-	-
			6	June 14, 1999	68	5.0 U	-	-
			7	September 27-28, 1999	37	5.0 U	-	-
			8	January 19, 2000	7.6	5.0 U	-	-
		High	2	April 1, 1999	260	29	-	-

J: The associated numerical value is an estimated concentration.
U: The analyte was analyzed for but not detected. The associated value is the quantitation limit.
The total PCB concentration was calculated as the sum of detected Aroclors.
Whole-water PCB (µg/L) is calculated based on the particulate PCB concentration and the composite TSS concentration.
Analytical data were validated in accordance with the Supplemental Quality Assurance/Sampling and Analysis Project Plan for the Off-Site Portion of the RFI/CS Program (BBL 1999b).
These data were collected as part of the RCRA Off-Site Facility Investigation.
-: Indicates analysis was not performed - only solids flux was evaluated at these locations.
BBL: Blasland, Bouck, and Lee Inc. (now Arcadis)
cfs: cubic feet per second
mg/L: milligram(s) per liter
mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
RFI/CS: Resource Conservation and Recovery Act (RCRA) Facility Investigation/Confirmatory Sampling
TSS: total suspended solids
µg/L: microgram(s) per liter

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
Total Suspended Solids		310	-	64	-	496	-
Aroclor-1016	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1221	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1232	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1242	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1248	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1254	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1260	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1262	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Aroclor-1268	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
Total PCBs	µg/L	0.51 U	0.50 U	0.50 UJ	-	0.54 U	-
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,2-Dibromo-3-chloropropane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,2-Dibromoethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,2-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,2-Dichloroethene (total)	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,3-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,4-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
2-Butanone	µg/L	5.0 U	5.0 U	1.3 J	-	5.0 UJ	-
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
4-Methyl-2-pentanone	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
Acetone	µg/L	4.5 J	4.6 J	5.6	-	5.0 U	-
Benzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Bromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Bromomethane	µg/L	5.0 U	5.0 U	5.0 UJ	-	5.0 U	-
Carbon Disulfide	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Carbon Tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Chloroethane	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	-	5.0 UJ	-
Chloroform	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Chloromethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Cyclohexane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Dichlorodifluoromethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Isopropylbenzene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
m,p-Xylenes	µg/L	-	-	5.0 U	-	5.0 U	-
Methyl Acetate	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 UJ	-
Methyl tert-butyl ether	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Methylcyclohexane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Methylene Chloride	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
o-Xylene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Styrene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Toluene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-

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Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Trichlorofluoromethane	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Vinyl Chloride	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U	-
1,1'-Biphenyl	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
1,2,4-Trichlorobenzene	µg/L	9.4 U	9.4 U	-	-	-	-
1,2-Dichlorobenzene	µg/L	9.4 U	9.4 U	-	-	-	-
1,3-Dichlorobenzene	µg/L	9.4 U	9.4 U	-	-	-	-
1,4-Dichlorobenzene	µg/L	9.4 U	9.4 U	-	-	-	-
2,2'-Oxybis(1-Chloropropane)	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2,4,5-Trichlorophenol	µg/L	24 U	24 U	27 U	-	27 U	-
2,4,6-Trichlorophenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2,4-Dichlorophenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2,4-Dimethylphenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2,4-Dinitrophenol	µg/L	24 UJ	24 UJ	27 UJ	-	27 U	-
2,4-Dinitrotoluene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2,6-Dinitrotoluene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2-Chloronaphthalene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2-Chlorophenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2-Methylnaphthalene	µg/L	9.4 U	9.4 U	11 UJ	-	11 UJ	-
2-Methylphenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
2-Nitroaniline	µg/L	24 U	24 U	27 U	-	27 U	-
2-Nitrophenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
3-Nitroaniline	µg/L	24 U	24 U	27 U	-	27 U	-
4,4'-DDD	µg/L	0.10 U		0.11 U	-	0.11 U	0.11 U
4,4'-DDE	µg/L	0.10 U		0.11 U	-	0.11 U	0.11 U
4,4'-DDT	µg/L	0.10 U		0.11 U	-	0.11 U	0.11 U
4,6-Dinitro-2-methylphenol	µg/L	24 U	24 U	27 U	-	27 U	-
4-Bromophenyl-phenylether	µg/L	9.4 U	9.4 U	11 U	-	11 U	-

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
4-Chloro-3-methylphenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
4-Chloroaniline	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
4-Chlorophenyl-phenylether	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
4-Methylphenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
4-Nitroaniline	µg/L	24 U	24 U	27 U	-	27 U	-
4-Nitrophenol	µg/L	24 U	24 U	27 U	-	27 U	-
Acenaphthene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Acenaphthylene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Acetophenone	µg/L	0.55 J	0.53 J	11 U	-	11 U	-
Aldrin	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
alpha-BHC	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
alpha-Chlordane	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
Aniline	µg/L	24 U	24 U	-	-	-	-
Anthracene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Atrazine	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Azobenzene	µg/L	9.4 U	9.4 U	-	-	-	-
Benzaldehyde	µg/L	24 U	24 U	11 UJ	-	11 U	-
Benzidine	µg/L	24 UJ	24 UJ	-	-	-	-
Benzo(a)anthracene	µg/L	0.71 J	0.67 J	11 U	-	1.7 J	-
Benzo(a)pyrene	µg/L	1.0 J	0.90 J	11 U	-	2.5 J	-
Benzo(b)fluoranthene	µg/L	1.2 J	1.3 J	11 U	-	3.6 J	-
Benzo(g,h,i)perylene	µg/L	1.2 J	1.2 J	11 UJ	-	1.9 J	-
Benzo(k)fluoranthene	µg/L	1.7 J	1.2 J	11 U	-	2.5 J	-
Benzoic Acid	µg/L	1.9 J	0.44 J	-	-	-	-
Benzyl Alcohol	µg/L	9.4 U	9.4 U	-	-	-	-
beta-BHC	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
bis(2-Chloroethoxy)methane	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
bis(2-Chloroethyl)ether	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
bis(2-Ethylhexyl)phthalate	µg/L	5.2 J	3.3 J	8.3 J	-	5.4 J	-
Butylbenzylphthalate	µg/L	0.50 J	9.4 U	11 U	-	11 U	-

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
Caprolactam	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Carbazole	µg/L	9.4 U	9.4 U	11 U	-	0.61 J	-
Chrysene	µg/L	1.6 J	1.5 J	11 U	-	4.7 J	-
delta-BHC	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
Dibenzo(a,h)anthracene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Dibenzofuran	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Dieldrin	µg/L	0.10 U	-	0.11 U	-	0.11 U	0.11 U
Diethylphthalate	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Dimethylphthalate	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Di-n-butylphthalate	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Di-n-octylphthalate	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Endosulfan II	µg/L	0.10 U	-	0.11 U	-	0.11 U	0.11 U
Endosulfan I	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
Endosulfan Sulfate	µg/L	0.10 U	-	0.11 U	-	0.11 U	0.11 U
Endrin Aldehyde	µg/L	0.10 U	-	0.11 U	-	0.11 U	0.11 U
Endrin Ketone	µg/L	0.10 U	-	0.11 U	-	0.11 U	0.11 U
Endrin	µg/L	0.10 U	-	0.11 U	-	0.11 U	0.11 U
Fluoranthene	µg/L	2.8 J	2.7 J	11 U	-	8.2 J	-
Fluorene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
gamma-BHC (Lindane)	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
gamma-Chlordane	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
Heptachlor Epoxide	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
Heptachlor	µg/L	0.050 U	-	0.053 U	-	0.054 U	0.054 U
Hexachlorobenzene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Hexachlorobutadiene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Hexachlorocyclopentadiene	µg/L	9.4 U	9.4 U	11 UJ	-	11 UJ	-
Hexachloroethane	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.88 J	0.79 J	11 U	-	1.7 J	-
Isophorone	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Methoxychlor	µg/L	0.50 U	-	0.53 U	-	0.54 U	0.54 U

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
Naphthalene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Nitrobenzene	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
N-Nitrosodimethylamine	µg/L	9.4 U	9.4 U	-	-	-	-
N-Nitroso-di-n-propylamine	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
N-Nitrosodiphenylamine	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Pentachlorophenol	µg/L	24 U	24 U	27 U	-	27 U	-
Phenanthrene	µg/L	1.2 J	1.2 J	11 U	-	2.0 J	-
Phenol	µg/L	9.4 U	9.4 U	11 U	-	11 U	-
Pyrene	µg/L	2.0 J	2.0 J	11 U	-	6.1 J	-
Pyridine	µg/L	9.4 U	9.4 U	-	-	-	-
Technical Chlordane	µg/L	0.50 U	-	0.53 U	-	0.54 U	0.54 U
Total PAHs	µg/L	14 J	14 J	11 U	-	35 J	
Toxaphene	µg/L	5.0 U	-	5.3 U	-	5.4 U	5.4 U
Ethyl Parathion	µg/L	1.1 U	-	1.0 U	-	R	R
Methyl Parathion	µg/L	1.1 U	-	1.0 U	-	R	R
o,o,o-Triethylphosphorothioate	µg/L	1.1 U	-	1.0 U	-	R	R
Sulfotep	µg/L	1.1 U	-	1.0 U	-	R	R
Aluminum	µg/L	7,500 J	-	1,600	1,400	16,000	-
Antimony	µg/L	7.2 U	-	7.2 U	8.3 B	12 U	-
Arsenic	µg/L	5.4 BJ	-	6.0 B	2.2 U	9.2 B	-
Barium	µg/L	93 B	-	26 B	24 B	200	-
Beryllium	µg/L	5.0 U	-	0.22 B	0.16 U	1.2 B	-
Cadmium	µg/L	5.0 U	-	0.39 U	0.39 U	1.4 B	-
Calcium	µg/L	17,000	-	8,200	8,100	32,000	-
Chromium	µg/L	11	-	2.0 B	2.2 B	33	-
Cobalt	µg/L	5.0 B	-	1.9 U	1.9 U	12 B	-
Copper	µg/L	36	-	8.4 B	9.1 B	100	-
Cyanide	µg/L	3.0 U	-	3.0 U		3.0 U	3.0 U
Iron	µg/L	11,000	-	2,500 J	1,700 J	24,000	-
Lead	µg/L	29	-	4.8 B	4.2 B	96	-

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
Magnesium	µg/L	6,700	-	3,700 B	3,700 B	14,000	-
Manganese	µg/L	640	-	73	69	2,400	-
Mercury	µg/L	0.15 B	-	0.018 U	0.018 U	0.43	-
Nickel	µg/L	8.2 B	-	2.4 U	2.4 U	23 B	-
Potassium	µg/L	3,500 B	-	3,000 B	3,000 B	5,200	-
Selenium	µg/L	1.9 U	-	3.2 B	4.5 B	1.9 U	-
Silver	µg/L	2.0 U	-	2.0 U	2.0 U	2.0 U	-
Sodium	µg/L	3,900 B	-	1,800 B	1,400 B	2,900 B	-
Thallium	µg/L	5.0 U	-	5.0 U	5.0 U	5.5 B	-
Vanadium	µg/L	16 B	-	4.8 B	4.1 B	34 B	-
Zinc	µg/L	150 J	-	30 U	29 U	460	-
Total Monochlorobiphenyl	µg/L	0.0052 J	0.0074 J	0.014 J	-	0.0053 J	-
Total Dichlorobiphenyl	µg/L	0.023 J	0.028 J	0.021 J	-	0.011 J	-
Total Trichlorobiphenyl	µg/L	0.048 J	0.068 J	0.026 J	-	0.024 J	-
Total Tetrachlorobiphenyl	µg/L	0.094 J	0.15 J	0.047 J	-	0.039 J	-
Total Pentachlorobiphenyl	µg/L	0.10 J	0.14 J	0.040 J	-	0.035 J	-
Total Hexachlorobiphenyl	µg/L	0.081 J	0.11 J	0.034 J	-	0.027 J	-
Total Heptachlorobiphenyl	µg/L	0.049 J	0.047 J	0.020 J	-	0.016 J	-
Total Octachlorobiphenyl	µg/L	0.050 UJ	0.035 J	0.027 J	-	0.0060 J	-
Total Nonachlorobiphenyl	µg/L	0.050 UJ	0.011 J	0.073 J	-	0.0050 J	-
Decachlorobiphenyl	µg/L	0.020 UJ	0.20 UJ	0.097	-	0.0053 J	-
Total Homolog PCB	µg/L	0.40 J	0.59 J	0.40 J	-	0.17 J	-
BZ#77	µg/L	0.041 U	0.040 U	0.020 U	-	0.022 U	-
BZ#81	µg/L	0.061 U	0.060 U	0.040 UJ	-	0.043 U	-
BZ#105	µg/L	0.020 U	0.020 U	0.020 U	-	0.022 U	-
BZ#114	µg/L	0.041 U	0.040 U	0.020 U	-	0.022 U	-
BZ#118	µg/L	0.022	0.034	0.020 U	-	0.022 U	-
BZ#123	µg/L	0.041 U	0.040 U	0.020 UJ	-	0.022 U	-
BZ#126	µg/L	0.020 U	0.020 U	0.020 U	-	0.022 U	-
BZ#153	µg/L	0.041 U	0.040 U	0.040 U	-	0.043 U	-

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
BZ#156	µg/L	0.020 U	0.020 U	0.020 U	-	0.022 U	-
BZ#157	µg/L	0.041 U	0.040 U	0.020 U	-	0.022 U	-
BZ#167	µg/L	0.041 U	0.040 U	0.040 U	-	0.043 U	-
BZ#169	µg/L	0.020 U	0.020 U	0.020 U	-	0.022 U	-
BZ#189	µg/L	0.020 U	0.020 U	0.020 U	-	0.022 U	-
WHO PCB TEQ	µg/L	0.00000066	0.0000010	0	-	0	-
1,2,3,4,6,7,8-HpCDD	pg/L	55	89	16	-	170	-
1,2,3,4,6,7,8-HpCDF	pg/L	23	33	4.6 UXA	-	67 UXA	-
1,2,3,4,7,8,9-HpCDF	pg/L	1.8	2.9	0.98 U	-	6.2	-
1,2,3,4,7,8-HxCDD	pg/L	1.1	2.6	0.69 U	-	4.0	-
1,2,3,4,7,8-HxCDF	pg/L	6.7 XC	7.8 XC	0.99 UXA	-	18 XC	-
1,2,3,6,7,8-HxCDD	pg/L	2.4	6.1	0.76	-	8.2	-
1,2,3,6,7,8-HxCDF	pg/L	2.2	3.0	1.6	-	8.4	-
1,2,3,7,8,9-HxCDD	pg/L	2.6	6.8	0.95	-	11 XC	-
1,2,3,7,8,9-HxCDF	pg/L	0.63 U	0.62 U	0.73 U	-	0.71 U	-
1,2,3,7,8-PeCDD	pg/L	0.55 U	2.2	0.58 U	-	2.6	-
1,2,3,7,8-PeCDF	pg/L	1.6	1.6	1.2 U	-	4.8	-
2,3,4,6,7,8-HxCDF	pg/L	1.7	2.3	0.64 U	-	5.5	-
2,3,4,7,8-PeCDF	pg/L	3.7	4.2	2.0	-	16	-
2,3,7,8-TCDD	pg/L	0.57 U	0.57 U	0.59 U	-	0.84 U	-
2,3,7,8-TCDF	pg/L	9.9	11 UY	12	-	38	-
Octa CDD	pg/L	790	960	150	-	1,900	-
Octa CDF	pg/L	38	51	8.8	-	150	-
Total Hepta CDD	pg/L	120	190	32	-	420	-
Total Hepta CDF	pg/L	45	65	5.4 UXA	-	73	-
Total Hexa CDD	pg/L	27	51	4.7	-	63	-
Total Hexa CDF	pg/L	36	50	9.0	-	120	-
Total Penta CDD	pg/L	4.5 UXA	2.2	5.6 UXA	-	2.6	-
Total Penta CDF	pg/L	51	60	29	-	220	-
Total Tetra CDD	pg/L	9.2	12	1.1 UXA	-	35	-

Table 4-22. OU-4 Snow Creek High-Flow Surface Water Data at Oxford Lake Park
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Units	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk	Oxford Pk
Sample ID		S50048	S50049	S50050	S50051	S50052	S50053
Sample Date		3/16/2007	3/16/2007	6/8/2007	6/8/2007	6/20/2007	6/20/2007
Total Tetra CDF	pg/L	99	110	53	-	420	-
WHO Dioxin TEQ	µg/L	0.0000055	0.0000086	0.0000027	-	0.000022	-

B: (metals): Indicates an estimated value between the instrument detection limit (IDL) and the reporting limit (RL).
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
R: Sample results are rejected.
U: The analyte was analyzed for but not detected. The associated value is the analyte quantitation limit.
UJ: The analyte was analyzed for but not detected. The associated value is the estimated compound quantitation limit.
XA (PCDD/DF): EMPC/NDR - Peak detected does not meet ratio criteria and has resulted in an elevated detection limit.
XC (PCDD/DF): EMPC/Merged Peak
Y (PCDD/DF): RT > 3 seconds - PCDD/DF analysis - Peak detected exceeds expected retention time (from internal standard) by greater than 3 seconds.
TEQ calculated using USEPA Dioxin and Dioxin-Like Compounds Toxic Equivalency Information Rule - Final Rule (USEPA 2007b). Nondetects were given a value of zero.
EMPC: estimated maximum possible concentration
mg/L: milligram(s) per liter
NA: not applicable
NDR: nondetect due to ratio
OU: operable unit
PAH: polycyclic aromatic hydrocarbon
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran
pg/L: picogram(s) per liter
TEQ: toxic equivalent
USEPA: United States Environmental Protection Agency
WHO: World Health Organization
µg/L: microgram(s) per liter
-: not analyzed

Table 4-23. Choccolocco Creek and Reference Area Whole-Water Homolog PCB and Mercury Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Sample Name	Date	Result Units	Monochlorobiphenyl	Dichlorobiphenyl	Trichlorobiphenyl	Tetrachlorobiphenyl	Pentachlorobiphenyl	Hexachlorobiphenyl	Heptachlorobiphenyl	Octachlorobiphenyl	Nonachlorobiphenyl	Decachlorobiphenyl	Total Homolog PCBs	Mercury
RI/FS - OU-4 SW (P1)															
CSW-01	C50500	6/6/07	µg/L	0.029	0.034	0.021 J	0.017 J	0.011 J	0.01 J	0.0056 J	0.0026 J	0.0013 J	0.00092 J	0.13 J	0.018 U
CSW-02	C50501	6/6/07	µg/L	0.0095 U	0.024 U	0.071 U	0.081 U	0.081 U	0.081 U	0.071 U	0.024 UJ	0.024 UJ	0.0095 U	0.081 U	0.018 U
CSW-03	C50502	6/6/07	µg/L	0.0095 U	0.024 U	0.071 U	0.081 U	0.081 U	0.081 U	0.071 U	0.024 UJ	0.024 UJ	0.0095 U	0.081 U	0.018 U
CSW-03	C50503	6/6/07	µg/L	0.0095 U	0.024 U	0.071 U	0.081 U	0.081 U	0.081 U	0.071 U	0.024 UJ	0.024 UJ	0.0095 U	0.081 U	0.018 U
Phase 2 Eco Surface Water: Choccolocco Creek															
EUW-01-37	C50601	10/4/09	µg/L	0.019 U	0.048 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.016 J	0.048 U	0.019 U	0.016 J	0.068 U
EUW-01-37	C50602	10/4/09	µg/L	0.019 U	0.047 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.047 UJ	0.047 U	0.019 U	0.16 U	0.068 U
EUW-02-39	C50603	10/4/09	µg/L	0.019 U	0.048 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.048 UJ	0.048 U	0.019 U	0.16 U	0.068 U
EUW-03-38	C50604	10/4/09	µg/L	0.019 U	0.047 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.047 UJ	0.047 U	0.019 U	0.16 U	0.068 U
EUW-04-36	C50605	10/4/09	µg/L	0.0069 J	0.011 J	0.011 J	0.0076 J	0.006 J	0.004 J	0.14 U	0.047 UJ	0.047 U	0.019 U	0.0465 J	0.068 U
EUW-05-34	C50606	10/4/09	µg/L	0.0076 J	0.012 J	0.013 J	0.0086 J	0.0062 J	0.0061 J	0.14 U	0.047 UJ	0.047 U	0.019 U	0.0535 J	0.068 U
EUW-06-32	C50607	10/4/09	µg/L	0.01 J	0.014 J	0.015 J	0.011 J	0.0093 J	0.0091 J	0.14 U	0.047 UJ	0.047 U	0.019 U	0.0684 J	0.068 U
EUW-07-33	C50608	10/4/09	µg/L	0.019 U	0.047 U	0.0084 J	0.02 J	0.026 J	0.031 J	0.017 J	0.01 J	0.047 U	0.019 U	0.112 J	0.068 U
EUW-08-29	C50609	10/4/09	µg/L	0.0076 J	0.014 J	0.012 J	0.011 J	0.0067 J	0.005 J	0.14 U	0.048 UJ	0.048 U	0.019 U	0.0563 J	0.068 U
EUW-09-30	C50610	10/4/09	µg/L	0.0072 J	0.018 J	0.011 J	0.012 J	0.0088 J	0.0055 J	0.0047 J	0.013 J	0.047 U	0.019 U	0.0802 J	0.068 U
EMW-01-17	C50611	10/3/09	µg/L	0.019 U	0.0093 J	0.027 J	0.015 J	0.0093 J	0.0058 J	0.0053 J	0.047 U	0.047 U	0.019 U	0.0717 J	0.068 U
EMW-02-22	C50612	10/4/09	µg/L	0.0018 J	0.015 J	0.029 J	0.025 J	0.024 J	0.019 J	0.016 J	0.027 J	0.0096 J	0.0053 J	0.172 J	0.068 U
EMW-03-23	C50613	10/4/09	µg/L	0.0018 J	0.0081 J	0.023 J	0.018 J	0.013 J	0.011 J	0.01 J	0.047 UJ	0.047 U	0.019 U	0.0849 J	0.068 U
EMW-04-24	C50614	10/4/09	µg/L	0.0018 J	0.0082 J	0.027 J	0.021 J	0.016 J	0.015 J	0.012 J	0.047 UJ	0.047 U	0.019 U	0.101 J	0.068 U
EMW-05-25	C50615	10/4/09	µg/L	0.0017 J	0.012 J	0.019 J	0.014 J	0.013 J	0.0096 J	0.0073 J	0.014 J	0.047 U	0.019 U	0.0906 J	0.068 U
EMW-06-27	C50616	10/4/09	µg/L	0.0012 J	0.0061 J	0.019 J	0.011 J	0.0079 J	0.0071 J	0.14 U	0.047 UJ	0.047 U	0.019 U	0.0523 J	0.068 U
EMW-07-19	C50617	10/3/09	µg/L	0.019 U	0.011 J	0.024 J	0.015 J	0.0084 J	0.0067 J	0.0071 J	0.047 U	0.047 U	0.019 U	0.0722 J	0.068 U
EMW-08-20	C50618	10/3/09	µg/L	0.019 U	0.012 J	0.019 J	0.014 J	0.0078 J	0.0071 J	0.005 J	0.0074 J	0.047 U	0.019 U	0.0723 J	0.068 U
EMW-09-21	C50619	10/3/09	µg/L	0.019 U	0.015 J	0.029 J	0.021 J	0.014 J	0.0099 J	0.0081 J	0.047 U	0.047 U	0.019 U	0.097 J	0.068 U
ELW-01-05	C50620	10/2/09	µg/L	0.019 U	0.0059 J	0.012 J	0.011 J	0.0061 J	0.0051 J	0.14 U	0.047 U	0.047 U	0.0012 J	0.0413 J	0.068 U
ELW-02-06	C50621	10/2/09	µg/L	0.019 U	0.011 J	0.013 J	0.012 J	0.0064 J	0.0062 J	0.14 U	0.0078 J	0.047 U	0.019 U	0.0564 J	0.068 U
ELW-03-08	C50622	10/3/09	µg/L	0.019 U	0.007 J	0.015 J	0.015 J	0.009 J	0.0067 J	0.14 U	0.047 U	0.047 U	0.0031 J	0.0558 J	0.068 U
ELW-03-08	C50623	10/3/09	µg/L	0.019 U	0.0069 J	0.015 J	0.012 J	0.0089 J	0.0087 J	0.14 U	0.047 U	0.047 U	0.019 U	0.0515 J	0.068 U
ELW-04-09	C50624	10/3/09	µg/L	0.019 U	0.005 J	0.013 J	0.011 J	0.0074 J	0.007 J	0.14 U	0.047 U	0.047 U	0.019 U	0.0434 J	0.069 B
ELW-05-10	C50625	10/3/09	µg/L	0.019 U	0.048 U	0.013 J	0.019 J	0.014 J	0.0094 J	0.0059 J	0.048 U	0.048 U	0.019 U	0.0613 J	0.068 U
ELW-06-11	C50626	10/3/09	µg/L	0.021 U	0.005 J	0.012 J	0.011 J	0.0079 J	0.0074 J	0.006 J	0.052 U	0.052 U	0.021 U	0.0493 J	0.068 U
ELW-07-12	C50627	10/3/09	µg/L	0.019 U	0.015 J	0.0099 J	0.0095 J	0.007 J	0.0043 J	0.14 U	0.023 J	0.047 U	0.019 U	0.0687 J	0.068 U
ELW-08-15	C50628	10/3/09	µg/L	0.019 U	0.0045 J	0.0099 J	0.0096 J	0.0078 J	0.0066 J	0.0057 J	0.047 U	0.047 U	0.019 U	0.0441 J	0.068 U
ELW-09-16	C50629	10/3/09	µg/L	0.019 U	0.014 J	0.011 J	0.013 J	0.0089 J	0.0046 J	0.14 U	0.012 J	0.047 U	0.019 U	0.0635 J	0.068 U
EUA-01-40	C50630	10/4/09	µg/L	0.0044 J	0.0099 J	0.0076 J	0.16 U	0.16 UJ	0.16 U	0.14 U	0.047 UJ	0.047 U	0.019 U	0.0219 J	0.068 U
EUA-02-35	C50631	10/4/09	µg/L	0.0082 J	0.014 J	0.014 J	0.012 J	0.0093 J	0.0066 J	0.14 U	0.047 U	0.047 UJ	0.019 U	0.0641 J	0.068 U
EUA-03-31	C50632	10/4/09	µg/L	0.0093 J	0.02 J	0.016 J	0.017 J	0.014 J	0.013 J	0.01 J	0.047 UJ	0.047 U	0.019 U	0.0993 J	0.068 U
EMA-01-08	C50633	10/3/09	µg/L	0.019 U	0.014 J	0.037 J	0.019 J	0.012 J	0.011 J	0.14 U	0.047 U	0.047 U	0.0028 J	0.0958 J	0.068 U
EMA-02-26	C50634	10/4/09	µg/L	0.002 J	0.0083 J	0.021 J	0.02 J	0.012 J	0.011 J	0.01 J	0.047 UJ	0.047 U	0.019 U	0.0843 J	0.068 U
EMA-03-28	C50635	10/4/09	µg/L	0.001 J	0.0062 J	0.013 J	0.011 J	0.0088 J	0.0076 J	0.14 U	0.047 UJ	0.047 U	0.019 U	0.0476 J	0.068 U
ELA-01-07	C50636	10/3/09	µg/L	0.019 U	0.0071 J	0.014 J	0.011 J	0.0076 J	0.006 J	0.14 U	0.047 U	0.047 U	0.004 J	0.0497 J	0.068 U
ELA-02-13	C50637	10/3/09	µg/L	0.019 U	0.075	0.046 J	0.017 J	0.018 J	0.003 J	0.14 U	0.15	0.047 U	0.019 U	0.309 J	0.068 U
ELA-03-14	C50638	10/3/09	µg/L	0.02 U	0.0092 J	0.036 J	0.014 J	0.0091 J	0.0079 J	0.0052 J	0.049 U	0.049 U	0.02 U	0.0814 J	0.068 U
ELW-04-09	C50639	2/24/10	µg/L	0.0017 J	0.0085 J	0.014 J	0.16 UB	0.16 UB	0.16 UB	0.14 U	0.048 U	0.048 U	0.019 U	0.0242 J	0.068 U

Table 4-23. Choccolocco Creek and Reference Area Whole-Water Homolog PCB and Mercury Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	Sample Name	Date	Result Units	Monochlorobiphenyl	Dichlorobiphenyl	Trichlorobiphenyl	Tetrachlorobiphenyl	Pentachlorobiphenyl	Hexachlorobiphenyl	Heptachlorobiphenyl	Octachlorobiphenyl	Nonachlorobiphenyl	Decachlorobiphenyl	Total Homolog PCBs	Mercury
Phase 2 Eco Surface Water: Reference Area															
ERA-01-45	R50001	2/23/10	µg/L	0.02 U	0.049 U	0.15 U	0.17 U	0.17 U	0.17 U	0.15 U	0.049 U	0.049 U	0.02 U	0.17 U	0.068 U
ERA-02-41	R50002	10/6/09	µg/L	0.019 U	0.047 U	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.047 U	0.047 U	0.019 U	0.16 U	0.068 U
ERA-03-01	R50003	10/2/09	µg/L	0.019 U	0.048 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.048 U	0.048 U	0.019 U	0.16 U	0.068 U
ERA-01-46	R50004	2/23/10	µg/L	0.019 U	0.048 U	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.048 U	0.048 U	0.019 U	0.16 U	0.068 U
ERA-02-42	R50005	10/6/09	µg/L	0.019 U	0.047 U	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.0066 J	0.047 U	0.019 U	0.0066 J	0.068 U
ERA-02-42	R50006	10/6/09	µg/L	0.019 U	0.014 J	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.014 J	0.047 U	0.019 U	0.028 J	0.068 U
ERA-03-02	R50007	10/2/09	µg/L	0.019 U	0.047 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.047 U	0.047 U	0.019 U	0.16 U	0.068 U
ERA-01-47	R50008	2/23/10	µg/L	0.02 U	0.051 U	0.15 U	0.17 U	0.17 U	0.17 U	0.15 U	0.051 U	0.051 U	0.02 U	0.17 U	0.068 U
ERA-02-43	R50009	10/6/09	µg/L	0.019 U	0.043	0.14 U	0.16 U	0.009 J	0.16 U	0.14 U	0.062	0.047 U	0.019 U	0.114 J	0.068 U
ERA-03-03	R50010	10/2/09	µg/L	0.019 U	0.047 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.047 U	0.047 U	0.019 U	0.16 U	0.068 U
ERA-01-48	R50011	2/23/10	µg/L	0.02 U	0.051 U	0.15 U	0.17 U	0.17 U	0.17 U	0.15 U	0.051 U	0.051 U	0.02 U	0.17 U	0.068 U
ERA-02-44	R50012	10/6/09	µg/L	0.019 U	0.013 J	0.14 U	0.16 U	0.16 U	0.16 U	0.14 U	0.017 J	0.047 U	0.019 U	0.03 J	0.068 U
ERA-03-04	R50013	10/2/09	µg/L	0.019 U	0.047 U	0.14 U	0.16 U	0.16 UJ	0.16 U	0.14 U	0.0088 J	0.047 U	0.019 U	0.0088 J	0.068 U

Chemical constituent concentrations were rounded to two significant figures.
B: Indicates an estimated value between the instrument detection limit and the reporting limit.
J: The analyte was positively identified. The associated numerical value is an estimated concentration.
U: The analyte was analyzed for but not detected. The associated value is the quantitation limit.
OU: operable unit
PCB: polychlorinated biphenyl
P1: Phase 1
RI/FS: remedial investigation/feasibility study
SW: surface water
µg/L: microgram(s) per liter

4-24. Summary of Choccolocco Creek Base-Flow Whole-Water Sampling by Analyte
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Analyte	Screening Level	Result Units	Samples (n)	Detected (n)	Mean Detected	Maximum Detected
Aroclor-1016	0.014	µg/L	4	0	-	-
Aroclor-1221	0.014	µg/L	4	0	-	-
Aroclor-1232	0.014	µg/L	4	0	-	-
Aroclor-1242	0.014	µg/L	4	0	-	-
Aroclor-1248	0.014	µg/L	4	0	-	-
Aroclor-1254	0.014	µg/L	4	0	-	-
Aroclor-1260	0.014	µg/L	4	0	-	-
Aroclor-1262	NA	µg/L	4	0	-	-
Aroclor-1268	NA	µg/L	4	0	-	-
Total PCBs	NA	µg/L	4	0	-	-
Total Monochlorobiphenyl	NA	µg/L	43	17	0.0060	0.029
Total Dichlorobiphenyl	NA	µg/L	43	34	0.013	0.075
Total Trichlorobiphenyl	NA	µg/L	43	36	0.018	0.046
Total Tetrachlorobiphenyl	NA	µg/L	43	34	0.014	0.025
Total Pentachlorobiphenyl	NA	µg/L	43	34	0.011	0.026
Total Hexachlorobiphenyl	NA	µg/L	43	34	0.0086	0.031
Total Heptachlorobiphenyl	NA	µg/L	43	17	0.0083	0.017
Total Octachlorobiphenyl	NA	µg/L	43	11	0.026	0.15
Total Nonachlorobiphenyl	NA	µg/L	43	2	0.0055	0.0096
Decachlorobiphenyl	NA	µg/L	43	6	0.0029	0.0053
Total Homolog PCBs (Max DL)	NA	µg/L	43	37	0.075	0.31
BZ#77	NA	µg/L	9	0	-	-
BZ#81	NA	µg/L	9	0	-	-
BZ#105	NA	µg/L	9	0	-	-
BZ#114	NA	µg/L	9	0	-	-
BZ#118	NA	µg/L	9	0	-	-
BZ#123	NA	µg/L	9	0	-	-
BZ#126	NA	µg/L	9	0	-	-
BZ#153	NA	µg/L	9	0	-	-
BZ#156	NA	µg/L	9	0	-	-
BZ#157	NA	µg/L	9	0	-	-
BZ#167	NA	µg/L	9	0	-	-
BZ#169	NA	µg/L	9	0	-	-
BZ#189	NA	µg/L	9	0	-	-
WHO Congener TEQ (Human-ND=0)	NA	µg/L	0	0	-	-
2,3,7,8-TCDD	0.01	µg/L	9	0	-	-
1,2,3,7,8-PeCDD	NA	µg/L	9	0	-	-
1,2,3,4,7,8-HxCDD	NA	µg/L	9	1	0.00000070	0.00000070
1,2,3,6,7,8-HxCDD	NA	µg/L	9	2	0.0000011	0.0000017
1,2,3,7,8,9-HxCDD	NA	µg/L	9	1	0.0000013	0.0000013
1,2,3,4,6,7,8-HpCDD	NA	µg/L	9	4	0.000015	0.000039
Octa CDD	NA	µg/L	9	9	0.00016	0.00064
2,3,7,8-TCDF	NA	µg/L	9	5	0.000019	0.000057

4-24. Summary of Choccolocco Creek Base-Flow Whole-Water Sampling by Analyte
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Analyte	Screening Level	Result Units	Samples (n)	Detected (n)	Mean Detected	Maximum Detected
1,2,3,7,8-PeCDF	NA	µg/L	9	2	0.0000026	0.0000035
2,3,4,7,8-PeCDF	NA	µg/L	9	2	0.0000066	0.0000083
1,2,3,4,7,8-HxCDF	NA	µg/L	9	3	0.0000024	0.0000054
1,2,3,6,7,8-HxCDF	NA	µg/L	9	2	0.0000063	0.0000098
1,2,3,7,8,9-HxCDF	NA	µg/L	9	0	-	-
2,3,4,6,7,8-HxCDF	NA	µg/L	9	2	0.0000011	0.0000012
1,2,3,4,6,7,8-HpCDF	NA	µg/L	9	0	-	-
1,2,3,4,7,8,9-HpCDF	NA	µg/L	9	1	0.0000019	0.0000019
Octa CDF	NA	µg/L	9	4	0.0000085	0.000027
Total Tetra CDD	NA	µg/L	9	5	0.0000038	0.000012
Total Penta CDD	NA	µg/L	9	0	-	-
Total Hexa CDD	NA	µg/L	9	2	0.0000078	0.0000098
Total Hepta CDD	NA	µg/L	9	8	0.000019	0.000090
Total Tetra CDF	NA	µg/L	9	7	0.000079	0.00036
Total Penta CDF	NA	µg/L	9	5	0.000075	0.00027
Total Hexa CDF	NA	µg/L	9	3	0.000022	0.000046
Total Hepta CDF	NA	µg/L	9	4	0.0000055	0.000018
WHO Dioxin TEQ (Human/Mammal-ND=0)	NA	µg/L	9	9	0.0000019	0.0000098
Aluminum	87,000	µg/L	4	4	520	600
Antimony	160,000	µg/L	4	0	-	-
Arsenic	190,000	µg/L	9	9	0.69	1.2
Barium	NA	µg/L	9	9	30	43
Beryllium	530	µg/L	9	1	0.10	0.10
Cadmium	660	µg/L	9	5	0.16	0.21
Calcium	NA	µg/L	4	4	19,000	21,000
Chromium	NA	µg/L	9	8	1.4	4.0
Cobalt	NA	µg/L	9	1	2.2	2.2
Copper	6,540	µg/L	4	4	2.5	3.1
Iron	1,000,000	µg/L	4	4	580	640
Lead	1,320	µg/L	9	9	1.0	4.8
Magnesium	NA	µg/L	4	4	10,000	11,000
Manganese	NA	µg/L	9	9	87	210
Mercury	12	µg/L	43	1	0.069	0.069
Nickel	87,710	µg/L	9	5	0.86	1.8
Potassium	NA	µg/L	4	4	1,900	3,600
Selenium	5,000	µg/L	4	1	0.22	0.22
Silver	12	µg/L	4	0	-	-
Sodium	NA	µg/L	4	4	3,500	8,800
Thallium	4,000	µg/L	4	0	-	-
Vanadium	NA	µg/L	9	9	1.1	3.1
Zinc	58,910	µg/L	4	0	-	-
Methylmercury	0.004	µg/L	1	1	0.00010	0.00010
Cyanide	5.2	µg/L	4	2	4.0	4.4

4-24. Summary of Choccolocco Creek Base-Flow Whole-Water Sampling by Analyte
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Analyte	Screening Level	Result Units	Samples (n)	Detected (n)	Mean Detected	Maximum Detected
2-Chloronaphthalene	NA	µg/L	4	0	-	-
2-Methylnaphthalene	NA	µg/L	4	0	-	-
Acenaphthene	17	µg/L	4	0	-	-
Acenaphthylene	NA	µg/L	4	0	-	-
Anthracene	NA	µg/L	4	0	-	-
Benzo(a)anthracene	NA	µg/L	4	0	-	-
Benzo(a)pyrene	NA	µg/L	4	0	-	-
Benzo(b)fluoranthene	NA	µg/L	4	0	-	-
Benzo(g,h,i)perylene	NA	µg/L	4	0	-	-
Benzo(k)fluoranthene	NA	µg/L	4	0	-	-
Chrysene	NA	µg/L	4	0	-	-
Dibenzo(a,h)anthracene	NA	µg/L	4	0	-	-
Fluoranthene	39.8	µg/L	4	0	-	-
Fluorene	NA	µg/L	4	0	-	-
Indeno(1,2,3-cd)pyrene	NA	µg/L	4	0	-	-
Naphthalene	62	µg/L	4	0	-	-
Phenanthrene	NA	µg/L	4	0	-	-
Pyrene	NA	µg/L	4	0	-	-
Total PAHs (Max DL)	NA	µg/L	4	0	-	-
1,1'-Biphenyl	NA	µg/L	4	0	-	-
2,2'-oxybis(1-Chloropropane)	NA	µg/L	4	0	-	-
2,4,5-Trichlorophenol	NA	µg/L	4	0	-	-
2,4,6-Trichlorophenol	3.2	µg/L	4	0	-	-
2,4-Dichlorophenol	36.5	µg/L	4	0	-	-
2,4-Dimethylphenol	21.2	µg/L	4	0	-	-
2,4-Dinitrophenol	6.2	µg/L	4	0	-	-
2,4-Dinitrotoluene	310	µg/L	4	0	-	-
2,6-Dinitrotoluene	NA	µg/L	4	0	-	-
2-Chlorophenol	43.8	µg/L	4	0	-	-
2-Methylphenol	NA	µg/L	4	0	-	-
2-Nitroaniline	NA	µg/L	4	0	-	-
2-Nitrophenol	3,500	µg/L	4	0	-	-
3,3'-Dichlorobenzidine	NA	µg/L	4	0	-	-
3-Nitroaniline	NA	µg/L	4	0	-	-
4,6-Dinitro-2-methylphenol	2.3	µg/L	4	0	-	-
4-Bromophenyl-phenylether	12.2	µg/L	4	0	-	-
4-Chloro-3-Methylphenol	0.3	µg/L	4	0	-	-
4-Chloroaniline	NA	µg/L	4	0	-	-
4-Chlorophenyl-phenylether	NA	µg/L	4	0	-	-
4-Methylphenol	NA	µg/L	4	0	-	-
4-Nitroaniline	NA	µg/L	4	0	-	-
4-Nitrophenol	82.8	µg/L	4	0	-	-
Acetophenone	NA	µg/L	4	0	-	-

4-24. Summary of Choccolocco Creek Base-Flow Whole-Water Sampling by Analyte
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Analyte	Screening Level	Result Units	Samples (n)	Detected (n)	Mean Detected	Maximum Detected
Atrazine	NA	µg/L	4	0	-	-
Benzaldehyde	NA	µg/L	4	0	-	-
bis(2-Chloroethoxy)methane	NA	µg/L	4	0	-	-
bis(2-Chloroethyl)ether	2,380	µg/L	4	0	-	-
bis(2-Ethylhexyl)phthalate	0.3	µg/L	4	0	-	-
Butylbenzylphthalate	22	µg/L	4	0	-	-
Caprolactam	NA	µg/L	4	0	-	-
Carbazole	NA	µg/L	4	0	-	-
Dibenzofuran	NA	µg/L	4	0	-	-
Diethylphthalate	521	µg/L	4	0	-	-
Dimethylphthalate	330	µg/L	4	0	-	-
Di-n-butylphthalate	9.4	µg/L	4	0	-	-
Di-n-octylphthalate	NA	µg/L	4	0	-	-
Hexachlorobenzene	NA	µg/L	4	0	-	-
Hexachlorobutadiene	0.93	µg/L	4	0	-	-
Hexachlorocyclopentadiene	0.07	µg/L	4	0	-	-
Hexachloroethane	9.8	µg/L	4	0	-	-
Isophorone	1,170	µg/L	4	0	-	-
Nitrobenzene	270	µg/L	4	0	-	-
N-Nitroso-di-n-propylamine	NA	µg/L	4	0	-	-
N-Nitrosodiphenylamine	58.5	µg/L	4	0	-	-
Pentachlorophenol	13	µg/L	8	0	-	-
Phenol	256	µg/L	4	0	-	-
1,1,1-Trichloroethane	528	µg/L	4	0	-	-
1,1,2,2-Tetrachloroethane	240	µg/L	4	0	-	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	4	0	-	-
1,1,2-Trichloroethane	940	µg/L	4	0	-	-
1,1-Dichloroethane	NA	µg/L	4	0	-	-
1,1-Dichloroethene	303	µg/L	4	0	-	-
1,2,4-Trichlorobenzene	44.9	µg/L	4	0	-	-
1,2-Dibromo-3-chloropropane	NA	µg/L	4	0	-	-
1,2-Dibromoethane	NA	µg/L	4	0	-	-
1,2-Dichlorobenzene	15.8	µg/L	4	0	-	-
1,2-Dichloroethane	2,000	µg/L	4	0	-	-
1,2-Dichloroethene (total)	NA	µg/L	4	0	-	-
1,2-Dichloropropane	525	µg/L	4	0	-	-
1,3-Dichlorobenzene	50.2	µg/L	4	0	-	-
1,4-Dichlorobenzene	11.2	µg/L	4	0	-	-
2-Butanone	NA	µg/L	4	0	-	-
2-Hexanone	NA	µg/L	4	0	-	-
4-Methyl-2-pentanone	NA	µg/L	4	0	-	-
Acetone	NA	µg/L	4	0	-	-
Benzene	53	µg/L	4	0	-	-

4-24. Summary of Choccolocco Creek Base-Flow Whole-Water Sampling by Analyte
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Analyte	Screening Level	Result Units	Samples (n)	Detected (n)	Mean Detected	Maximum Detected
Bromochloromethane	NA	µg/L	4	0	-	-
Bromodichloromethane	NA	µg/L	4	0	-	-
Bromoform	293	µg/L	4	0	-	-
Carbon Disulfide	NA	µg/L	4	0	-	-
Carbon Tetrachloride	352	µg/L	4	0	-	-
Chlorobenzene	195	µg/L	4	0	-	-
Chloroethane	NA	µg/L	4	0	-	-
Chloroform	289	µg/L	4	0	-	-
Chloromethane	5,500	µg/L	4	0	-	-
cis-1,2-Dichloroethene	NA	µg/L	4	0	-	-
cis-1,3-Dichloropropene	24	µg/L	4	0	-	-
Cyclohexane	NA	µg/L	4	0	-	-
Dibromochloromethane	NA	µg/L	4	0	-	-
Dichlorodifluoromethane	NA	µg/L	4	0	-	-
Ethylbenzene	453	µg/L	4	0	-	-
Trichlorofluoromethane	NA	µg/L	4	0	-	-
Isopropylbenzene	NA	µg/L	4	0	-	-
m,p-Xylenes	NA	µg/L	4	0	-	-
Methyl Acetate	NA	µg/L	4	0	-	-
Bromomethane	110	µg/L	4	0	-	-
Methyl tert-butyl ether	NA	µg/L	4	0	-	-
Methylcyclohexane	NA	µg/L	4	0	-	-
Methylene Chloride	1,930	µg/L	4	0	-	-
o-Xylene	NA	µg/L	4	0	-	-
Styrene	NA	µg/L	4	0	-	-
Tetrachloroethene	84	µg/L	4	0	-	-
Toluene	175	µg/L	4	0	-	-
trans-1,2-Dichloroethene	1,350	µg/L	4	0	-	-
trans-1,3-Dichloropropene	24	µg/L	4	0	-	-
Trichloroethene	NA	µg/L	4	0	-	-
Vinyl Chloride	NA	µg/L	4	0	-	-
Xylenes (total)	NA	µg/L	4	0	-	-
4,4'-DDD	0.0064	µg/L	4	0	-	-
4,4'-DDE	10.5	µg/L	4	0	-	-
4,4'-DDT	0.001	µg/L	4	0	-	-
Aldrin	0.3	µg/L	4	0	-	-
alpha-BHC	500	µg/L	4	0	-	-
alpha-Chlordane	0.0043	µg/L	4	2	0.0038	0.0039
beta-BHC	5000	µg/L	4	1	0.0032	0.0032
delta-BHC	NA	µg/L	4	0	-	-
Dieldrin	0.0019	µg/L	4	0	-	-
Endosulfan I	0.056	µg/L	4	0	-	-
Endosulfan II	0.056	µg/L	4	0	-	-

4-24. Summary of Choccolocco Creek Base-Flow Whole-Water Sampling by Analyte
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Analyte	Screening Level	Result Units	Samples (n)	Detected (n)	Mean Detected	Maximum Detected
Endosulfan Sulfate	NA	µg/L	4	1	0.0023	0.0023
Endrin	0.0023	µg/L	4	0	-	-
Endrin Aldehyde	NA	µg/L	4	0	-	-
Endrin Ketone	NA	µg/L	4	0	-	-
Ethyl Parathion	NA	µg/L	4	0	-	-
gamma-BHC (Lindane)	0.08	µg/L	4	0	-	-
gamma-Chlordane	0.0043	µg/L	4	2	0.0026	0.0032
Heptachlor	0.0038	µg/L	4	1	0.0022	0.0022
Heptachlor Epoxide	0.0038	µg/L	4	0	-	-
Methoxychlor	0.03	µg/L	4	1	0.0073	0.0073
Methyl Parathion	NA	µg/L	4	0	-	-
o,o,o-Triethylphosphorothioate	NA	µg/L	4	0	-	-
Sulfotep	NA	µg/L	4	0	-	-
Toxaphene	0.0002	µg/L	4	0	-	-

Mean and maximum concentrations were rounded to two significant figures.
Total PCB results were calculated as the sum of the detected Aroclors. If all results were nondetect, then the highest individual reporting limit (e.g., for a single Aroclor) was used.
TEQ calculated using USEPA Dioxin and Dioxin-Like Compounds Toxic Equivalency Information Rule - Final Rule (USEPA 2007b). Nondetects were given a value of zero.
BZ: Ballschmiter, K. and Zell, M.
DL: detection limit
HpCDD: heptachlorodibenzo-p-dioxin
HxCDD: hexachlorodibenzo-p-dioxin
n: sample count
NA: not applicable
OU: operable unit
PAH: polycyclic aromatic hydrocarbon
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran
PeCDD: pentachlorodibenzo-p-dioxin
PCB: polychlorinated biphenyl
TCDD: tetrachlorodibenzo-p-dioxin
TCDF: tetrachlorodibenzofuran
TEQ: toxic equivalency
WHO: World Health Organization
µg/L: microgram(s) per liter
-: not analyzed

Table 4-25. Summary of Fish Fillet PCB Data by Year, Program, and Location
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Year	Source	Collection Program	Universal Location	Species		Samples (n)	Minimum PCB (mg/kg)	Maximum PCB (mg/kg)	Mean PCB (mg/kg)
				Common Name	Scientific Name				
1993	ADEM	ADEM 1993	CHOC4	Channel Catfish	*Ictalurus punctatus*	1	8.1	8.1	8.1
1993	ADEM	ADEM 1993	CHOC4	Largemouth Bass	*Micropterus salmoides*	1	2.1	2.1	2.1
1993	ADEM	ADEM 1993	CHOC4	Spotted Bass	*Micropterus punctulatus*	4	1.8	38	13
1993	ADEM	ADEM 1993	CHOC4	White Crappie	*Pomoxis annularis*	1	2.2	2.2	2.2
1993	ADEM	ADEM 1993	CHOC7	Channel Catfish	*Ictalurus punctatus*	5	17	37	30
1993	ADEM	ADEM 1993	CHOC7	Largemouth Bass	*Micropterus salmoides*	6	9.6	25	17
1993	ADEM	ADEM 1993	CHOC7	Spotted Bass	*Micropterus punctulatus*	1	12	12	12
1994	ADEM	ADEM 1994	CHOC10	Channel Catfish	*Ictalurus punctatus*	4	0.19	2.5	1.3
1994	ADEM	ADEM 1994	CHOC10	Flathead Catfish	*Pylodictis olivaris*	3	1.8	8.2	5.7
1994	ADEM	ADEM 1994	CHOC10	Spotted Bass	*Micropterus punctulatus*	7	0.18	23	5.1
1994	ADEM	ADEM 1994	Station 35	Blue Catfish	*Ictalurus furcatus*	3	7.2	17	11
1994	ADEM	ADEM 1994	Station 35	Channel Catfish	*Ictalurus punctatus*	2	21	49	35
1994	ADEM	ADEM 1994	Station 35	Flathead Catfish	*Pylodictis olivaris*	3	4.9	8.0	6.0
1994	ADEM	ADEM 1994	Station 35	Spotted Bass	*Micropterus punctulatus*	6	6.5	14	11
1995	ADEM	ADEM 1995	CHOC10	Channel Catfish	*Ictalurus punctatus*	6	0.47	9.3	3.8
1995	ADEM	ADEM 1995	CHOC10	Largemouth Bass	*Micropterus salmoides*	6	0.96	42	18
1996	ADEM	ADEM 1996	Station 35	Black Crappie	*Pomoxis nigromaculatus*	6	11	20	14
1996	ADEM	ADEM 1996	Station 35	Blue Catfish	*Ictalurus furcatus*	6	7.5	34	22
1996	ADEM	ADEM 1996	Station 35	Largemouth Bass	*Micropterus salmoides*	6	12	28	17
1996	Bayne	Bayne 1996	Station 35	Black Crappie	*Pomoxis nigromaculatus*	12	0.55	10	4.3
1996	Bayne	Bayne 1996	Station 35	Blue Catfish	*Ictalurus furcatus*	13	1.6	10	3.9
1996	Bayne	Bayne 1996	Station 35	Bluegill	*Lepomis macrochirus*	6	2.2	6.9	4.2
1996	Bayne	Bayne 1996	Station 35	Channel Catfish	*Ictalurus punctatus*	9	3.0	12	7.1
1996	Bayne	Bayne 1996	Station 35	Common Carp	*Cyprinus carpio*	2	6.5	19	13
1996	Bayne	Bayne 1996	Station 35	Flathead Catfish	*Pylodictis olivaris*	4	1.4	14	4.6
1996	Bayne	Bayne 1996	Station 35	Freshwater drum	*Aplodinotus grunniens*	9	0.61	29	5.5
1996	Bayne	Bayne 1996	Station 35	Gizzard Shad	*Dorosoma cepedianum*	1	13	13	13
1996	Bayne	Bayne 1996	Station 35	Green Sunfish	*Lepomis cyanellus*	2	1.6	2.1	1.9
1996	Bayne	Bayne 1996	Station 35	Hybrid Striped Bass	*Morone chrysops x Morone saxatilis*	9	0.56	12	3.9
1996	Bayne	Bayne 1996	Station 35	Largemouth Bass	*Micropterus salmoides*	15	1.4	17	5.1
1996	Bayne	Bayne 1996	Station 35	Redear Sunfish	*Lepomis microlophus*	4	0.79	2.3	1.4
1996	Bayne	Bayne 1996	Station 35	Spotted Bass	*Micropterus punctulatus*	12	1.0	16	8.1
1996	Bayne	Bayne 1996	Station 35	Striped Bass	*Morone saxatilis*	8	1.2	35	9.5
1996	Bayne	Bayne 1996	Station 35	White Bass	*Morone chrysops*	3	5.4	8.6	6.6
1996	Bayne	Bayne 1996	Station 42	Black Crappie	*Pomoxis nigromaculatus*	2	0.14	0.14	0.14
1996	Bayne	Bayne 1996	Station 42	Black Redhorse	*Moxostoma duquesnei*	1	0.14	0.14	0.14
1996	Bayne	Bayne 1996	Station 42	Blacktail Redhorse	*Moxostoma poecilurum*	3	0.14	0.14	0.14
1996	Bayne	Bayne 1996	Station 42	Bluegill	*Lepomis macrochirus*	1	3.8	3.8	3.8
1996	Bayne	Bayne 1996	Station 42	Channel Catfish	*Ictalurus punctatus*	2	1.1	1.8	1.4
1996	Bayne	Bayne 1996	Station 42	Gizzard Shad	*Dorosoma cepedianum*	2	0.14	3.9	2.0
1996	Bayne	Bayne 1996	Station 42	Golden Redhorse	*Moxostoma erythrurum*	2	0.14	0.14	0.14
1996	Bayne	Bayne 1996	Station 42	Largemouth Bass	*Micropterus salmoides*	1	0.59	0.59	0.59
1996	Bayne	Bayne 1996	Station 42	Longear Sunfish	*Lepomis megalotis*	1	0.14	0.14	0.14
1996	Bayne	Bayne 1996	Station 42	Spotted Bass	*Micropterus punctulatus*	4	0.14	0.14	0.14
1996	Bayne	Bayne 1996	Station 42	White Bass	*Morone chrysops*	1	4.0	4.0	4.0
1999	ADEM	ADEM 1999	Station 35	Black Crappie	*Pomoxis nigromaculatus*	7	0.68	3.5	1.6
1999	ADEM	ADEM 1999	Station 35	Blue Catfish	*Ictalurus furcatus*	7	0.92	20	7.5
1999	ADEM	ADEM 1999	Station 35	Largemouth Bass	*Micropterus salmoides*	7	2.0	5.0	3.0
1999	ADEM	ADEM 1999	Station 35	Striped Bass	*Morone saxatilis*	3	4.7	5.1	4.9
1999	Bayne	Bayne 1999	Station 35	Black Crappie	*Pomoxis nigromaculatus*	1	0.29	0.29	0.29
1999	Bayne	Bayne 1999	Station 35	Channel Catfish	*Ictalurus punctatus*	2	1.6	1.9	1.8
1999	Bayne	Bayne 1999	Station 35	Freshwater Drum	*Aplodinotus grunniens*	1	0.87	0.87	0.87
1999	Bayne	Bayne 1999	Station 35	Largemouth Bass	*Micropterus salmoides*	2	0.40	0.56	0.48
1999	Bayne	Bayne 1999	Station 35	Spotted Bass	*Micropterus punctulatus*	2	0.93	1.8	1.3
1999	BBL	BBL 1999	Station 35	Channel Catfish	*Ictalurus punctatus*	6	0.20	23	4.8
1999	BBL	BBL 1999	Station 35	Largemouth Bass	*Micropterus salmoides*	10	0.73	3.9	2.3
1999	BBL	BBL 1999	Station 43	Channel Catfish	*Ictalurus punctatus*	10	2.5	13	7.1
1999	BBL	BBL 1999	Station 43	Spotted Bass	*Micropterus punctulatus*	10	0.87	5.8	2.9
1999	BBL	BBL 1999	Station 44	Channel Catfish	*Ictalurus punctatus*	10	1.6	34	8.8
1999	BBL	BBL 1999	Station 44	Spotted Bass	*Micropterus punctulatus*	10	1.4	21	5.4
2000	Bayne	Bayne 2000	Station 35	Black Crappie	*Pomoxis nigromaculatus*	1	4.6	4.6	4.6

Table 4-25. Summary of Fish Fillet PCB Data by Year, Program, and Location
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Year	Source	Collection Program	Universal Location	Species		Samples (n)	Minimum PCB (mg/kg)	Maximum PCB (mg/kg)	Mean PCB (mg/kg)
				Common Name	Scientific Name				
2000	Bayne	Bayne 2000	Station 35	Channel Catfish	*Ictalurus punctatus*	2	1.0	3.1	2.0
2000	Bayne	Bayne 2000	Station 35	Freshwater Drum	*Aplodinotus grunniens*	1	1.4	1.4	1.4
2000	Bayne	Bayne 2000	Station 35	Largemouth Bass	*Micropterus salmoides*	2	1.0	3.1	2.1
2000	Bayne	Bayne 2000	Station 35	Spotted Bass	*Micropterus punctulatus*	2	2.1	3.2	2.7
2000	Bayne	Bayne 2000	Station 43	Channel Catfish	*Ictalurus punctatus*	1	2.8	2.8	2.8
2000	Bayne	Bayne 2000	Station 43	Freshwater Drum	*Aplodinotus grunniens*	1	4.3	4.3	4.3
2000	Bayne	Bayne 2000	Station 43	Largemouth Bass	*Micropterus salmoides*	1	0.98	0.98	0.98
2000	Bayne	Bayne 2000	Station 43	Spotted Bass	*Micropterus punctulatus*	3	1.1	5.0	3.0
2000	Bayne	Bayne 2000	Station 44	Channel Catfish	*Ictalurus punctatus*	1	27	27	27
2000	Bayne	Bayne 2000	Station 44	Freshwater Drum	*Aplodinotus grunniens*	1	6.3	6.3	6.3
2000	Bayne	Bayne 2000	Station 44	Spotted Bass	*Micropterus punctulatus*	2	3.8	14	9.0
2001	ADEM	ADEM 2001	CHOC10	Channel Catfish	*Ictalurus punctatus*	7	0.025	3.9	1.2
2001	ADEM	ADEM 2001	CHOC10	Largemouth Bass	*Micropterus salmoides*	4	0.19	0.50	0.31
2001	ADEM	ADEM 2001	CHOC10	Spotted Bass	*Micropterus punctulatus*	4	0.58	2.9	1.6
2001	ADEM	ADEM 2001	Station 35	Black Crappie	*Pomoxis nigromaculatus*	7	1.4	3.6	2.2
2001	ADEM	ADEM 2001	Station 35	Blue Catfish	*Ictalurus furcatus*	7	2.3	6.1	4.0
2001	ADEM	ADEM 2001	Station 35	Largemouth Bass	*Micropterus salmoides*	7	0.025	2.4	1.5
2001	Bayne	Bayne 2001	Station 35	Black Crappie	*Pomoxis nigromaculatus*	10	0.70	3.5	1.8
2001	Bayne	Bayne 2001	Station 35	Channel Catfish	*Ictalurus punctatus*	15	0.16	4.1	1.6
2001	Bayne	Bayne 2001	Station 35	Freshwater Drum	*Aplodinotus grunniens*	10	0.077	3.5	0.90
2001	Bayne	Bayne 2001	Station 35	Largemouth Bass	*Micropterus salmoides*	29	0.21	4.2	0.92
2001	Bayne	Bayne 2001	Station 35	Spotted Bass	*Micropterus punctulatus*	8	0.55	5.1	2.4
2001	Bayne	Bayne 2001	Station 35	Striped Bass	*Morone saxatilis*	10	0.28	2.0	1.1
2001	Bayne	Bayne 2001	Station 43	Black Crappie	*Pomoxis nigromaculatus*	2	0.51	2.1	1.3
2001	Bayne	Bayne 2001	Station 43	Channel Catfish	*Ictalurus punctatus*	19	0	21	3.5
2001	Bayne	Bayne 2001	Station 43	Freshwater Drum	*Aplodinotus grunniens*	3	0.41	7.7	4.0
2001	Bayne	Bayne 2001	Station 43	Largemouth Bass	*Micropterus salmoides*	5	0.20	1.3	0.49
2001	Bayne	Bayne 2001	Station 43	Spotted Bass	*Micropterus punctulatus*	12	0	1.0	0.45
2001	Bayne	Bayne 2001	Station 44	Channel Catfish	*Ictalurus punctatus*	28	0.29	20	4.1
2001	Bayne	Bayne 2001	Station 44	Freshwater Drum	*Aplodinotus grunniens*	10	0.43	8.6	2.7
2001	Bayne	Bayne 2001	Station 44	Largemouth Bass	*Micropterus salmoides*	6	0.17	0.84	0.47
2001	Bayne	Bayne 2001	Station 44	Spotted Bass	*Micropterus punctulatus*	11	0.15	2.1	1.0
2002	Bayne	Bayne 2002	Station 35	Black Crappie	*Pomoxis nigromaculatus*	12	0.15	1.9	0.86
2002	Bayne	Bayne 2002	Station 35	Channel Catfish	*Ictalurus punctatus*	12	0.050	4.4	1.7
2002	Bayne	Bayne 2002	Station 35	Freshwater Drum	*Aplodinotus grunniens*	10	0.12	3.0	0.78
2002	Bayne	Bayne 2002	Station 35	Largemouth Bass	*Micropterus salmoides*	12	0.11	1.7	0.98
2002	Bayne	Bayne 2002	Station 35	Spotted Bass	*Micropterus punctulatus*	12	0.43	1.6	1.0
2002	Bayne	Bayne 2002	Station 35	Striped Bass	*Morone saxatilis*	12	0.48	8.0	2.6
2002	Bayne	Bayne 2002	Station 43	Channel Catfish	*Ictalurus punctatus*	12	0.43	5.8	2.2
2002	Bayne	Bayne 2002	Station 43	Freshwater Drum	*Aplodinotus grunniens*	6	1.2	20	6.2
2002	Bayne	Bayne 2002	Station 43	Largemouth Bass	*Micropterus salmoides*	1	0.050	0.050	0.050
2002	Bayne	Bayne 2002	Station 43	Spotted Bass	*Micropterus punctulatus*	12	0.30	3.6	1.3
2002	Bayne	Bayne 2002	Station 44	Black Crappie	*Pomoxis nigromaculatus*	3	0.097	2.0	0.83
2002	Bayne	Bayne 2002	Station 44	Channel Catfish	*Ictalurus punctatus*	12	0.17	14	5.2
2002	Bayne	Bayne 2002	Station 44	Freshwater Drum	*Aplodinotus grunniens*	12	1.2	14	5.9
2002	Bayne	Bayne 2002	Station 44	Largemouth Bass	*Micropterus salmoides*	6	0.13	0.57	0.37
2002	Bayne	Bayne 2002	Station 44	Spotted Bass	*Micropterus punctulatus*	12	0.27	3.9	1.2
2003	Bayne	Bayne 2003	Station 35	Black Crappie	*Pomoxis nigromaculatus*	12	0.022	2.6	0.50
2003	Bayne	Bayne 2003	Station 35	Channel Catfish	*Ictalurus punctatus*	8	0.14	0.95	0.43
2003	Bayne	Bayne 2003	Station 35	Freshwater Drum	*Aplodinotus grunniens*	12	0.015	1.3	0.30
2003	Bayne	Bayne 2003	Station 35	Largemouth Bass	*Micropterus salmoides*	12	0.21	2.8	1.1
2003	Bayne	Bayne 2003	Station 35	Spotted Bass	*Micropterus punctulatus*	11	0.53	2.7	1.3
2003	Bayne	Bayne 2003	Station 35	Striped Bass	*Morone saxatilis*	12	0.16	2.1	0.86
2003	Bayne	Bayne 2003	Station 43	Channel Catfish	*Ictalurus punctatus*	6	0.11	12	3.7
2003	Bayne	Bayne 2003	Station 43	Largemouth Bass	*Micropterus salmoides*	8	0.078	2.6	1.3
2003	Bayne	Bayne 2003	Station 43	Spotted Bass	*Micropterus punctulatus*	12	0.35	2.1	1.2
2003	Bayne	Bayne 2003	Station 44	Black Crappie	*Pomoxis nigromaculatus*	2	0.62	1.4	1.0
2003	Bayne	Bayne 2003	Station 44	Channel Catfish	*Ictalurus punctatus*	12	0.48	5.4	2.4
2003	Bayne	Bayne 2003	Station 44	Freshwater Drum	*Aplodinotus grunniens*	5	0.24	4.0	1.8
2003	Bayne	Bayne 2003	Station 44	Largemouth Bass	*Micropterus salmoides*	3	0.32	1.7	0.90
2003	Bayne	Bayne 2003	Station 44	Spotted Bass	*Micropterus punctulatus*	12	0.16	1.4	0.65

Table 4-25. Summary of Fish Fillet PCB Data by Year, Program, and Location
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Year	Source	Collection Program	Universal Location	Species		Samples (n)	Minimum PCB (mg/kg)	Maximum PCB (mg/kg)	Mean PCB (mg/kg)
				Common Name	Scientific Name				
2004	Bayne	Bayne 2004	Station 35	Black Crappie	*Pomoxis nigromaculatus*	14	0.070	0.70	0.27
2004	Bayne	Bayne 2004	Station 35	Channel Catfish	*Ictalurus punctatus*	10	0.33	1.5	0.81
2004	Bayne	Bayne 2004	Station 35	Largemouth Bass	*Micropterus salmoides*	14	0.030	0.83	0.28
2004	Bayne	Bayne 2004	Station 35	Striped Bass	*Morone saxatilis*	1	1.2	1.2	1.2
2005	Bayne	Bayne 2005	Station 35	Black Crappie	*Pomoxis nigromaculatus*	14	0.84	3.1	2.1
2005	Bayne	Bayne 2005	Station 35	Channel Catfish	*Ictalurus punctatus*	12	1.6	5.8	3.0
2005	Bayne	Bayne 2005	Station 35	Largemouth Bass	*Micropterus salmoides*	14	1.2	2.8	1.7
2005	Bayne	Bayne 2005	Station 35	Striped Bass	*Morone saxatilis*	14	1.1	5.5	2.5
2005	Bayne	Bayne 2005	Station 43	Black Crappie	*Pomoxis nigromaculatus*	1	4.0	4.0	4.0
2005	Bayne	Bayne 2005	Station 43	Channel Catfish	*Ictalurus punctatus*	14	3.3	19	8.8
2005	Bayne	Bayne 2005	Station 43	Spotted Bass	*Micropterus punctulatus*	14	0.95	7.3	3.3
2005	Bayne	Bayne 2005	Station 44	Channel Catfish	*Ictalurus punctatus*	14	0.93	20	8.5
2005	Bayne	Bayne 2005	Station 44	Spotted Bass	*Micropterus punctulatus*	14	0.74	5.3	3.3
2007	ADEM	ADEM 2007	CHOC10	Channel Catfish	*Ictalurus punctatus*	7	0.18	4.1	1.1
2007	ADEM	ADEM 2007	CHOC10	Spotted Bass	*Micropterus punctulatus*	7	0.15	1.4	0.50
2007	ADEM	ADEM 2007	CHOC4	Channel Catfish	*Ictalurus punctatus*	7	2.4	8.2	4.8
2007	ADEM	ADEM 2007	CHOC4	Largemouth Bass	*Micropterus salmoides*	1	0.26	0.26	0.26
2007	ADEM	ADEM 2007	CHOC4	Spotted Bass	*Micropterus punctulatus*	6	1.2	3.3	2.4
2007	ADEM	ADEM 2007	Station 35	Black Crappie	*Pomoxis nigromaculatus*	7	0.68	5.1	2.8
2007	ADEM	ADEM 2007	Station 35	Blue Catfish	*Ictalurus furcatus*	5	0.41	1.1	0.73
2007	ADEM	ADEM 2007	Station 35	Channel Catfish	*Ictalurus punctatus*	3	1.3	3.4	2.3
2007	ADEM	ADEM 2007	Station 35	Spotted Bass	*Micropterus punctulatus*	7	1.1	4.8	2.9
2007	ADEM	ADEM 2007	Station 35	Striped Bass	*Morone saxatilis*	4	1.5	8.0	4.0
2008	Arcadis	Arcadis 2008	HHFL-01	Black Crappie	*Pomoxis nigromaculatus*	7	1.2	3.9	2.5
2008	Arcadis	Arcadis 2008	HHFL-01	Channel Catfish	*Ictalurus punctatus*	14	0.42	5.4	2.9
2008	Arcadis	Arcadis 2008	HHFL-01	Largemouth Bass	*Micropterus salmoides*	7	0.22	3.0	1.5
2008	Arcadis	Arcadis 2008	HHFL-01	Redear Sunfish	*Lepomis microlophus*	7	0.27	1.6	0.89
2008	Arcadis	Arcadis 2008	HHFL-01	Spotted Bass	*Micropterus punctulatus*	7	1.2	3.7	1.9
2008	Arcadis	Arcadis 2008	HHFL-02	Black Crappie	*Pomoxis nigromaculatus*	6	0.87	4.4	2.3
2008	Arcadis	Arcadis 2008	HHFL-02	Channel Catfish	*Ictalurus punctatus*	14	0.71	5.8	2.0
2008	Arcadis	Arcadis 2008	HHFL-02	Largemouth Bass	*Micropterus salmoides*	6	0.81	2.8	1.6
2008	Arcadis	Arcadis 2008	HHFL-02	Redear Sunfish	*Lepomis microlophus*	7	0.45	1.8	0.94
2008	Arcadis	Arcadis 2008	HHFL-02	Spotted Bass	*Micropterus punctulatus*	8	1.5	9.5	3.6
2008	Arcadis	Arcadis 2008	HHFL-02	White Crappie	*Pomoxis annularis*	1	3.2	3.2	3.2
2008	Arcadis	Arcadis 2008	HHFL-03	Bluegill	*Lepomis macrochirus*	7	0.63	1.7	1.2
2008	Arcadis	Arcadis 2008	HHFL-03	Channel Catfish	*Ictalurus punctatus*	14	0.24	11	2.8
2008	Arcadis	Arcadis 2008	HHFL-03	Largemouth Bass	*Micropterus salmoides*	1	0.33	0.33	0.33
2008	Arcadis	Arcadis 2008	HHFL-03	Redear Sunfish	*Lepomis microlophus*	7	0.24	1.3	0.81
2008	Arcadis	Arcadis 2008	HHFL-03	Spotted Bass	*Micropterus punctulatus*	13	0.57	3.6	2.2
2008	Arcadis	Arcadis 2008	HHFL-04	Black Crappie	*Pomoxis nigromaculatus*	2	1.8	4.4	3.1
2008	Arcadis	Arcadis 2008	HHFL-04	Bluegill	*Lepomis macrochirus*	9	1.0	3.4	2.1
2008	Arcadis	Arcadis 2008	HHFL-04	Channel Catfish	*Ictalurus punctatus*	14	1.4	9.7	3.4
2008	Arcadis	Arcadis 2008	HHFL-04	Largemouth Bass	*Micropterus salmoides*	2	0.62	2.8	1.7
2008	Arcadis	Arcadis 2008	HHFL-04	Redear Sunfish	*Lepomis microlophus*	4	1.1	1.7	1.4
2008	Arcadis	Arcadis 2008	HHFL-04	Spotted Bass	*Micropterus punctulatus*	11	2.3	12	4.3
2008	Arcadis	Arcadis 2008	HHFL-05	Bluegill	*Lepomis macrochirus*	12	1.2	4.2	2.3
2008	Arcadis	Arcadis 2008	HHFL-05	Channel Catfish	*Ictalurus punctatus*	14	0.89	34	7.8
2008	Arcadis	Arcadis 2008	HHFL-05	Redear Sunfish	*Lepomis microlophus*	2	1.2	1.2	1.2
2008	Arcadis	Arcadis 2008	HHFL-05	Spotted Bass	*Micropterus punctulatus*	14	1.6	6.1	3.6
2008	Arcadis	Arcadis 2008	HHFL-06	Bluegill	*Lepomis macrochirus*	10	0.43	4.8	2.5
2008	Arcadis	Arcadis 2008	HHFL-06	Channel Catfish	*Ictalurus punctatus*	15	2.1	16	5.4
2008	Arcadis	Arcadis 2008	HHFL-06	Redbreasted Sunfish	*Lepomis auritus*	2	1.8	3.9	2.9
2008	Arcadis	Arcadis 2008	HHFL-06	Redear Sunfish	*Lepomis microlophus*	2	1.8	1.8	1.8
2008	Arcadis	Arcadis 2008	HHFL-06	Spotted Bass	*Micropterus punctulatus*	14	2.4	15	6.3
2008	Arcadis	Arcadis 2008	HHFL-07	Bluegill	*Lepomis macrochirus*	11	1.7	10	4.8
2008	Arcadis	Arcadis 2008	HHFL-07	Channel Catfish	*Ictalurus punctatus*	14	0.23	12	5.4
2008	Arcadis	Arcadis 2008	HHFL-07	Largemouth Bass	*Micropterus salmoides*	4	2.2	4.4	3.2
2008	Arcadis	Arcadis 2008	HHFL-07	Redear Sunfish	*Lepomis microlophus*	3	1.0	3.2	2.0
2008	Arcadis	Arcadis 2008	HHFL-07	Spotted Bass	*Micropterus punctulatus*	10	3.9	13	6.6
2008	Arcadis	Arcadis 2008	HHFL-08	Bluegill	*Lepomis macrochirus*	10	0.97	10	3.0
2008	Arcadis	Arcadis 2008	HHFL-08	Channel Catfish	*Ictalurus punctatus*	14	0.51	12	3.8

Table 4-25. Summary of Fish Fillet PCB Data by Year, Program, and Location
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Year	Source	Collection Program	Universal Location	Species		Samples (n)	Minimum PCB (mg/kg)	Maximum PCB (mg/kg)	Mean PCB (mg/kg)
				Common Name	Scientific Name				
2008	Arcadis	Arcadis 2008	HHFL-08	Redbreasted Sunfish	*Lepomis auritus*	2	4.1	4.9	4.5
2008	Arcadis	Arcadis 2008	HHFL-08	Redear Sunfish	*Lepomis microlophus*	2	1.3	2.7	2.0
2008	Arcadis	Arcadis 2008	HHFL-08	Spotted Bass	*Micropterus punctulatus*	14	1.7	6.0	3.8
2010	ADEM	ADEM 2010	Station 35	Black Crappie	*Pomoxis nigromaculatus*	7	0.79	3.4	2.2
2010	ADEM	ADEM 2010	Station 35	Blue Catfish	*Ictalurus furcatus*	7	0.99	2.6	1.9
2010	ADEM	ADEM 2010	Station 35	Largemouth Bass	*Micropterus salmoides*	7	0.93	2.6	1.9
2010	ADEM	ADEM 2010	Station 35	Striped Bass	*Morone saxatilis*	4	1.4	4.1	2.6
2011	ADEM	ADEM 2011	CHOC4	Channel Catfish	*Ictalurus punctatus*	7	1.7	4.1	2.4
2011	ADEM	ADEM 2011	CHOC4	Largemouth Bass	*Micropterus salmoides*	3	1.4	2.7	2.1
2011	ADEM	ADEM 2011	CHOC4	Spotted Bass	*Micropterus punctulatus*	5	1.4	4.9	3.4
2014	ADEM	ADEM 2014	Station 35	Blue Catfish	*Ictalurus furcatus*	4	1.8	25	11
2014	ADEM	ADEM 2014	Station 35	Channel Catfish	*Ictalurus punctatus*	7	0.93	3.4	2.0
2014	ADEM	ADEM 2014	Station 35	Largemouth Bass	*Micropterus salmoides*	7	1.5	3.2	2.4
2014	ADEM	ADEM 2014	Station 35	Striped Bass	*Morone saxatilis*	4	2.8	38	13
2016	ADEM	ADEM 2016	CHOC4	Channel Catfish	*Ictalurus punctatus*	6	0.26	2.9	1.4
2016	ADEM	ADEM 2016	CHOC4	Largemouth Bass	*Micropterus salmoides*	3	0.99	3.0	1.9
2016	ADEM	ADEM 2016	CHOC4	Spotted Bass	*Micropterus punctulatus*	3	1.2	1.8	1.5
2016	ADEM	ADEM 2016	Station 35	Black Crappie	*Pomoxis nigromaculatus*	6	0.048	1.5	0.81
2016	ADEM	ADEM 2016	Station 35	Channel Catfish	*Ictalurus punctatus*	6	0.12	0.84	0.56
2016	ADEM	ADEM 2016	Station 35	Largemouth Bass	*Micropterus salmoides*	6	0.38	1.0	0.60
2016	ADEM	ADEM 2016	Station 35	Striped Bass	*Morone saxatilis*	3	0.39	3.2	1.4

All fish in this table are listed by individual species. However, in the text, the fish that are not bass or catfish are grouped together and called "panfish."
The Bayne 1996 collection program data are presented in Bayne 1997b.

The Bayne 1999, 2000, 2001, 2002, 2003, 2004, and 2005; and ADEM, 1993, 1994, 1995, 1996, 1999, 2001, and 2007 collection program data were provided directly to Pharmacia LLC/Solutia Inc. by Bayne and ADEM.

The Arcadis 2008 collection program data are presented in Arcadis 2009b.
The BBL 1999 collection program data are presented in BBL 2000a.
ADEM: Alabama Department of Environmental Management
BBL: Blasland, Bouck, and Lee Inc. (now Arcadis)
mg/kg: milligram(s) per kilogram
n: sample count
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-26. Soil PCB Data, OU-4 Groundwater Investigations
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter	Unit	T-17 0-1 ft 1/10/2012	T-17 1-2 ft 1/10/2012	T-17 2-3 ft 1/10/2012	T-17 3-4 ft 1/10/2012
PCB-1016	mg/kg	<9.9	<41	<20	<4.1
PCB-1221	mg/kg	<9.9	<41	<20	<4.1
PCB-1232	mg/kg	<9.9	<41	<20	<4.1
PCB-1242	mg/kg	<9.9	<41	<20	<4.1
PCB-1248	mg/kg	<9.9	<41	<20	<4.1
PCB-1254	mg/kg	48	330	98	19
PCB-1260	mg/kg	24	130	65	9.1
PCB-1268	mg/kg	<9.9	<41	<20	<4.1
Total PCBs by Aroclor	mg/kg	72	460	163	28
Monochlorobiphenyl	mg/kg	<0.078	<0.32	<0.16	<0.027
Dichlorobiphenyl	mg/kg	<0.19	<0.8	<0.4	0.1
Trichlorobiphenyl	mg/kg	0.75	3.9	2.7	0.41
Tetrachlorobiphenyl	mg/kg	10	96	38	4
Pentachlorobiphenyl	mg/kg	16	130	46	7.1
Hexachlorobiphenyl	mg/kg	12	78	36	5.2
Heptachlorobiphenyl	mg/kg	5.2	33	17	2.1
Octacholobiphenyl	mg/kg	1.8	10	4.6	0.8
Nonachlorobiphenyl	mg/kg	0.68	3.3	1.1	0.82
Decachlorobiphenyl	mg/kg	0.19	1.2	0.22	0.51
Total PCBs by Homolog	mg/kg	47	360	150	21

Aroclor by USEPA Method 8082A
Homolog by USEPA Method 8270SIM
ft: feet/foot
Depth intervals are reported in feet below ground surface.
J: estimated value. The result is less than the reporting limit but greater than or equal to the method detection limit.
<: less than (not detected)
mg/kg: milligram(s) per kilogram
NA: not analyzed
OU: operable unit
PCB: polychlorinated biphenyl
USEPA: United States Environmental Protection Agency

Table 4-27. Groundwater Data, OU-4 Groundwater Investigations
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Parameter	Unit	T-17 2/21/2012	T-17F0.1 2/21/2012	T-17F2 2/21/2012	600131-W 12/6/12	600131-W-X 12/6/12	600145-W 12/6/12
Oxygen, Dissolved	mg/L	5.5	5.5	5.5	0.27	0.27	0.31
pH	S.U.	8.3	8.3	8.3	6.3	6.3	6.1
Specific Conductance	mS/cm	0.48	0.48	0.48	313	313	237
Turbidity	NTU	8.3	8.3	8.3	0.76	0.76	0.28
Water Temperature	Deg C	16	16	16	18	18	15
ORP	mV	-61	-61	-61	-53	-53	-13
PCB-1016	µg/L	<0.50	<0.51	<0.53	<0.070	<0.068	<0.068
PCB-1221	µg/L	<0.50	<0.51	<0.53	<0.28	<0.27	<0.27
PCB-1232	µg/L	<0.50	<0.51	<0.53	<0.11	<0.10	<0.11
PCB-1242	µg/L	<0.50	<0.51	<0.53	<0.18	<0.17	<0.17
PCB-1248	µg/L	<0.50 J	<0.51 J	<0.53 J	<0.36	<0.34	<0.34
PCB-1254	µg/L	<0.50 J	<0.51 J	<0.53 J	<0.26	<0.25	<0.25
PCB-1260	µg/L	<0.50 J	<0.51 J	<0.53 J	<0.20	<0.19	<0.19
PCB-1268	µg/L	<0.50 J	<0.51 J	<0.53 J	<0.11	<0.10	<0.11
Total PCBs by Aroclor	µg/L	< 0.50 J	< 0.51 J	< 0.53 J	<0.36	<0.34	<0.34
Monochlorobiphenyl	µg/L	<0.10	<0.10	<0.098	<0.0053	<0.0053	<0.0058
Dichlorobiphenyl	µg/L	<0.046	<0.047	<0.044	<0.0051	<0.0051	<0.0056
Trichlorobiphenyl	µg/L	<0.046	<0.047	<0.044	<0.0061	<0.0062	<0.0067
Tetrachlorobiphenyl	µg/L	<0.046	<0.047	<0.044	<0.012	<0.012	<0.013
Pentachlorobiphenyl	µg/L	<0.046	<0.047	<0.044	<0.013	<0.013	<0.014
Hexachlorobiphenyl	µg/L	<0.046	<0.047	<0.044	<0.014	<0.014	<0.016
Heptachlorobiphenyl	µg/L	<0.046	<0.047	<0.044	<0.028	<0.028	<0.031
Octachlorobiphenyl	µg/L	<0.10	<0.10	<0.098	<0.036	<0.036	<0.039
Nonachlorobiphenyl	µg/L	<0.10	<0.10	<0.098	<0.046	<0.046	<0.051
Decachlorobiphenyl	µg/L	<0.10	<0.10	<0.098	<0.066	<0.066	<0.072
Total PCBs by Homolog	µg/L	< 0.10	< 0.10	< 0.098	<0.066	<0.066	<0.072
Mercury	µg/L	NA	NA	NA	<0.40	<0.40	<0.40

Aroclor by USEPA Method 8082A
Homolog by USEPA Method 680.
Depth intervals reported in feet below ground surface.
Sample number 600131-W-X is a duplicate sample of 600131-W.
Deg C: degrees Celsius
F: filtered
J: estimated value
µg/L: microgram(s) per liter
mg/L: milligram(s) per liter
mS/cm: milliseamen(s) per centimeter
mV: millivolts
NA: not analyzed
NTU: nephelometric units
OU: operable unit
PCB: polychlorinated biphenyl
S.U.: standard units
USEPA: United States Environmental Protection Agency

Table 4-28. OU-4 Ecological Investigation and Sampling Events
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Data Collected	Sampling Efforts and Reporting				
			Off-Site RFI		CERCLA RI/FS	
		Bayne Water Quality and Biological Study	Habitat and Biological Assessment	Phase 2 Floodplain Surveys	Phase 1 Ecological Surveys and Supplement	Phase 2 Biological Sampling
	Time Frame	1995-1997	September 1999	Fall 2001 and Spring 2002	Fall 2006; Winter, Spring, Summer 2007; Spring 2008	2009-2011
Biological and Ecological Data	Aquatic habitat characterization[1]	x	x	x		
	Floodplain habitat type identification			x		
	Floodplain vegetation species counts			x		
	Floodplain vegetation species observations				x	x
	Benthic macroinvertebrate counts and biotic index scores	x			x	
	Benthic macroinvertebrate observations		x			
	Mollusk counts				x	
	Fish species observations and counts				x	
	Terrestrial macroinvertebrate counts				x	
	Reptile and amphibian observations				x	
	Bird and mammal observations				x	
	Bird and mammal counts			x (fp only)	x (aq only)	
	Reptile and amphibian counts				x	
	Small mammal counts				x	

Table 4-28. OU-4 Ecological Investigation and Sampling Events
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Data Collected	Sampling Efforts and Reporting				
		Bayne Water Quality and Biological Study	Off-Site RFI		CERCLA RI/FS	
			Habitat and Biological Assessment	Phase 2 Floodplain Surveys	Phase 1 Ecological Surveys and Supplement	Phase 2 Biological Sampling
	Time Frame	**1995-1997**	**September 1999**	**Fall 2001 and Spring 2002**	**Fall 2006; Winter, Spring, Summer 2007; Spring 2008**	**2009-2011**
Analytical Data	Aquatic plant tissue					x
	Aquatic emergent insect tissue					x
	Benthic invertebrate tissue					x
	Whole fish tissue	x	x			x
	Crayfish and mollusk tissue					x
	Frog and snake tissue					x
	Terrestrial plant tissue					x
	Terrestrial insect and earthworm tissue					x
	Small mammal tissue					x
	Benthic invertebrate toxicity and bioaccumulation					x

1. Habitat characterization included Rapid Bioassessment Protocol in Bayne Water Quality and Biological Study (Bayne 1997a) and Off-Site RFI Habitat and Biological Assessment (BBL 1999b) and RBP-like observations in the OU-4 DSR (BBL 200a).

aq: aquatic habitat
BBL: Blasland, Bouck, and Lee Inc. (now Arcadis)
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DSR: data summary report
ESR: ecological survey report
fp: floodplain
OU: operable unit
PCB: polychlorinated biphenyl
RCRA: Resource Conservation and Recovery Act
RFI: RCRA Facility Investigation
RI/FS: remedial investigation/feasibility study
RBP: rapid bioassessment protocol

Table 4-29. Assessment and Measurement Endpoint Summary
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Assessment Endpoint	Risk Questions	Measurement Endpoints
1) Survival, Growth, and Reproduction of Aquatic/Terrestrial Plant Communities	Are the levels of COPCs in soils (including floodplain soils), surface water, and sediments from OU-4 greater than benchmarks and/or toxicity threshold values for the survival, growth, or reproduction of aquatic/terrestrial plants?	1a) Concentrations of COPCs in OU-4 soils (including floodplain soils), surface water, and sediments relative to benchmarks and/or literature-based toxicity threshold values[1] for survival, growth, or reproduction.
	Are the levels of COPCs in plant tissue from OU-4 greater than concentrations in reference plant tissue?	1b) Body burdens of COPCs in OU-4 plant tissue as compared to reference area(s) plant tissue.
	Is the health of aquatic/terrestrial plant species collected in OU-4 outside of the normal range for aquatic/terrestrial plant communities in the reference area(s)?	1c) Qualitative observations of plant condition and discoloration in OU-4 as compared to the reference area(s).
	Is the structure of aquatic/terrestrial plant communities in OU-4 outside of the normal range for aquatic/terrestrial plant communities in the reference area(s)?	1d) Comparison of aquatic/terrestrial plant community structure metrics -- including species diversity, total abundance, number of taxa, and taxa dominance -- for each habitat type in OU-4 to the reference area(s).[5]
2) Survival, Growth, and Reproduction of Benthic Invertebrate Communities	Are the levels of COPCs in surface water or sediments (including porewater) from OU-4 greater than benchmarks and/or toxicity threshold values for survival, growth, or reproduction of benthic invertebrates?	2a) Concentration of COPCs in OU-4 surface water and sediments (including porewater) compared to benchmarks and/or literature-derived toxicity threshold values[1].
	Are the levels of COPCs in benthic invertebrate tissue from OU-4 greater than concentrations in reference area tissue?	2b) Body burden of COPCs in OU-4 benthic invertebrate tissue as compared to those in the reference area(s).
	Is the survival, growth, or reproduction of laboratory cultured benthic invertebrates exposed to sediments (including porewater and overlying water) from OU-4 significantly lower than those exposed to reference area(s) sediments?	2c) Survival, growth, and reproduction of *Hyalella azteca* and *Chironomus dilutus.* [2]
	Is the structure of benthic macroinvertebrate communities in OU-4 outside of the normal range for benthic invertebrate communities in the reference area(s)?	2d) Comparison of benthic invertebrate community structure metrics -- including species diversity, total abundance, number of taxa, and taxa dominance -- from OU-4 to the reference area(s).[5]
3) Survival, Growth, and Reproduction of Terrestrial Invertebrate Communities	Are the levels of COPCs in soil (including floodplain soils) from OU-4 greater than benchmarks and/or toxicity threshold values for survival, growth, or reproduction of terrestrial invertebrates?	3a) Concentrations of COPCs in OU-4 surface soils compared to benchmarks and/or literature-derived toxicity threshold values.[1]
	Are the levels of COPCs in terrestrial invertebrate tissue from OU-4 greater than reference area terrestrial invertebrate tissues?	3b) Body burden of COPCs in terrestrial invertebrate tissue from OU-4 as compared to those in the reference area(s).
	Is the structure of terrestrial invertebrate communities in OU-4 outside of the normal range for terrestrial invertebrate communities in the reference area(s)?	3c) Comparison of terrestrial invertebrate community structure metrics -- including species diversity, total abundance, number of taxa, and taxa dominance -- from OU-4 to the reference area(s).[5]

Table 4-29. Assessment and Measurement Endpoint Summary
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Assessment Endpoint	Risk Questions	Measurement Endpoints
4) Survival, Growth, and Reproduction of Fish Communities	Are the levels of COPCs in surface water and/or sediments from OU-4 greater than benchmarks and/or toxicity threshold values for survival, growth, or reproduction of fish?	4a) Concentration of COPCs in OU-4 surface water and sediment compared to benchmarks and/or literature-derived toxicity threshold values.[1]
	Are the levels of COPCs in fish tissue from OU-4 greater than toxicity threshold values for survival, growth, or reproduction of fish?	4b) Body burdens of COPCs in selected fish species from OU-4 as compared to those in the reference area(s) and tissue-based toxicity values or TRVs[1] as available.
	Is the structure of fish communities in OU-4 outside of the normal range for fish communities in the reference area(s)?	4c) Comparison of fish community structure metrics -- including species diversity, total abundance, number of taxa, and taxa dominance -- from OU-4 to the reference area(s).
	Are fish health assessment results (external parasites, fish erosion, lesions, sex ration, age structure, etc.) comparable between OU-4 and the reference area(s)?	4d) Fish health assessment using anomaly codes similar to those in the Rapid Bioassessment Protocol (Barbour et al. 1999). Observations may include disease, deformities, external parasites, fin erosion, lesions, tumors, sex ratio, and age structure.
5) Survival, Growth, and Reproduction of Birds	Do daily doses of COPCs received by aquatic-dependent and terrestrial birds (including piscivorous birds, sediment-probing birds, invertivorous birds, carnivorous birds, and omnivorous birds) from consumption of/exposure to food and other media from OU-4 exceed TRVs for survival, growth, or reproduction?	5a) Compare an estimated dietary daily dose[3] of COPCs in prey base in OU-4 to relevant dietary TRVs[1] and those in the reference area(s).[5]
	What is avian community structure and habitat use in OU-4 and the reference area(s)?	5b) Comparison of avian species community structure, including total abundance and number of taxa, and habitat use in OU-4 to reference area(s).[5]
	Do the predicted concentrations of COPCs in bird eggs exceed toxicity thresholds or TRVs for birds?	5c) Comparisons of predicted OU-4 egg COPC concentrations[4] to egg-based TRVs[1] and predicted concentrations in the reference area(s).
6) Survival, Growth, and Reproduction of Mammals	Do daily doses of COPCs received by aquatic-dependent and terrestrial mammals (including carnivorous mammals, piscivorous mammals, invertivorous mammals [including shrews and bats], omnivorous mammals, and herbivorous mammals) from consumption of/exposure to food and other media from OU-4 exceed TRVs for survival, growth, or reproduction?	6a) Compare an estimated dietary daily dose[3] of COPCs in prey base in OU-4 to relevant dietary TRVs[1] and those in the reference area(s).
	Are levels of COPCs in tissues of small mammals from OU-4 greater than tissue-based TRVs protective of survival, growth, or reproduction or reference area(s) tissue concentrations?	6b) Body burdens of COPCs in selected mammal species in OU-4 as compared to those in mammals from the reference area(s) and tissue-based toxicity values or TRVs[1] as available.
	What is the mammalian community structure and habitat use in OU-4 and the reference area(s)?	6c) Comparison of mammalian species community structure, including total abundance and number of taxa, and habitat use in OU-4 to the reference area(s).[5]
	What is the habitat suitability of OU-4 and the reference area(s) for mink and river otter?	6d) Evaluate habitat suitability for the mink (Allen 1984) and river otter (reference to be determined) using habitat suitability index models developed by USFWS for these species.

Table 4-29. Assessment and Measurement Endpoint Summary
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Assessment Endpoint	Risk Questions	Measurement Endpoints
7) Survival, Growth, and Reproduction of Amphibians or Reptiles	Are the levels of COPCs in surface water, sediment, and/or soil (including floodplain soil) from OU-4 greater than benchmarks and/or toxicity threshold values for survival, growth, or reproduction of amphibians and reptiles?	7a) Concentration of COPCs in surface water, sediment, and soil in OU-4 compared to benchmarks and/or literature-derived toxicity threshold values.[1]
	Are the levels of COPCs in amphibian or reptile tissue from OU-4 greater than tissue concentrations from reference areas?	7b) Body burden of COPCs in selected herptile receptor tissue in OU-4 as compared to those in the reference area(s).

1. Toxicity threshold values and TRVs were developed as part of a collaborative effort between Pharmacia Corporation/Solutia, Inc. and the USEPA.

2. Details regarding interpretation of bioassay results are included in the Sediment Toxicity Testing Plan (Arcadis 2010d).

3. Daily dose was calculated using an equation consistent with the dose equation presented in USEPA's Wildlife Exposure Factors Handbook (USEPA 1993). Receptor exposure parameters for modeling were developed in cooperation with the USEPA, and prey COPC concentrations were estimated using site-specific bioaccumulation factors developed from co-located media (e.g., soil or sediment) and biotic tissue (e.g., terrestrial or benthic invertebrates).

4. Egg tissue COPC concentrations were predicted based on estimates of maternal transfer of COPCs to eggs. Available scientific literature was consulted and relationships between maternal dietary intake and egg tissue concentration (e.g., biotransfer factors) were developed.

5. Evaluation of condition, community structure, and habitat suitability were identified as a secondary line of evidence following USEPA's approval of the OU-4 Baseline Problem Formulation.

COPC: constituent of potential concern
OU: operable unit
PCB: polychlorinated biphenyl
TRV: toxicity reference value
USEPA: United States Environmental Protection Agency
USFWS: United States Fish and Wildlife Service
References: Barbour et al. 1999, Allen 1984.

Table 4-30. Summary of Terrestrial Biota Data Collection
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Number of Habitats Surveyed per Assessment Area	Number of Samples Locations per Habitat Type	Number of Samples per Sample Location	Total Samples per Assessment Area	Total Samples in OU-4	Reference Samples
Plants	3	3	2	18 (18)	54 (54)	18 (14)
Soil Macroinvertebrates	3	1	3	9 (9)	27 (27)	9 (9)
Small Mammals	3	2	3	18 (11–17)	54 (44)	18 (10)

Total target sample numbers listed with actual field collection sample numbers in parentheses.
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-31. Terrestrial Biota Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	PCB Results (mg/kg wet weight)[1]			
	Terrestrial Plants	Worm	Terrestrial Insects	Small Mammals
OU-4 UAA				
EUT-01-FF	**0.027**	**0.013**	ns	**0.01**
	0.009	**0.026**	ns	0.15
	ns	**0.013**	ns	ns
EUT-02-FF	**0.013**	ns	ns	0.10
	0.013	ns	ns	0.12
EUT-03-SF	**0.026**	ns	ns	0.16
	0.013	ns	ns	**0.01**
	ns	ns	ns	ns
EUT-04-MF	**0.009**	ns	ns	0.95
	0.009	ns	ns	0.39
EUT-05-MF	**0.009**	ns	ns	ns
	0.009	ns	ns	ns
EUT-06-MF	**0.009**	3.5	**0.024**	0.48
	0.009	4.8	**0.014**	0.32
	ns	6.0	**0.026**	ns
EUT-07-SF	**0.026**	ns	ns	0.15
	0.009	ns	ns	0.14
EUT-08-SF	**0.026**	16	**0.026**	2.6
	0.009	11	**0.025**	1.8
	ns	23	**0.026**	ns
EUT-09-FF	**0.009**	ns	ns	4.3
	0.033	ns	ns	2.8
EUT Average	0.014	7.1	0.023	0.90
OU-4 MAA				
EMT-01-SF	**0.013**	**0.03**	**0.024**	0.04
	0.013	**0.01**	**0.026**	**0.01**
	ns	**0.01**	**0.026**	ns
EMT-02-MF	**0.013**	ns	ns	ns
	0.013	ns	ns	ns
	ns	ns	ns	ns
EMT-03-MF	**0.013**	ns	ns	**0.012**
	0.009	ns	ns	ns
EMT-04-MF	**0.013**	0.33	**0.026**	ns
	0.009	0.30	**0.027**	ns
	ns	0.21	**0.027**	ns
EMT-05-FF	**0.01**	ns	ns	1.4
	0.013	ns	ns	0.92
EMT-06-SF	**0.009**	ns	ns	0.10
	0.009	ns	ns	0.04
EMT-07-FF	0.049	ns	ns	**0.01**
	0.078	ns	ns	6.5
EMT-08-FF	**0.013**	2.5	ns	0.39
	0.024	**0.03**	ns	0.60
	ns	1.3	ns	ns
EMT-09-SF	**0.009**	ns	ns	ns
	0.009	ns	ns	ns
EMT Average	0.017	0.52	0.026	0.92

Table 4-31. Terrestrial Biota Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	PCB Results (mg/kg wet weight)[1]			
	Terrestrial Plants	Worm	Terrestrial Insects	Small Mammals
OU-4 LAA				
ELT-01-SF	**0.009**	ns	ns	**0.024**
	0.025	ns	ns	**0.023**
	ns	ns	ns	ns
ELT-02-SF	**0.025**	**0.01**	**0.026**	**0.023**
	0.009	**0.02**	**0.013**	**0.009**
	ns	**0.02**	**0.013**	ns
ELT-03-MF	**0.008**	ns	ns	**0.028**
	0.009	ns	ns	**0.013**
ELT-04-SF	**0.013**	ns	ns	**0.012**
	0.012	ns	ns	ns
ELT-05-FF	**0.009**	ns	ns	2.0
	0.014	ns	ns	1.3
ELT-06-FF	**0.009**	1.3	ns	2.2
	0.024	2.3	ns	12
	ns	1.6	ns	ns
ELT-07-FF	**0.009**	ns	ns	1.8
	0.009	ns	ns	**0.01**
ELT-08-MF	**0.013**	**0.03**	**0.027**	0.19
	0.009	1.1	**0.025**	0.06
	ns	2.0	**0.025**	ns
ELT-09-MF	**0.009**	ns	ns	0.25
	0.009	ns	ns	**0.01**
ELT Average	0.012	0.94	0.021	1.18
Reference				
ERT-01-SF	**0.013**	**0.024**	**0.026**	**0.025**
	0.008	**0.024**	**0.027**	4.6
	N/A	**0.025**	**0.025**	ns
ERT-01-MF	**0.013**	N/A	N/A	**0.023**
	0.013	N/A	N/A	ns
ERT-02-MF	**0.009**	**0.023**	**0.025**	**0.025**
	0.009	**0.024**	**0.025**	**0.008**
	N/A	**0.025**	**0.027**	ns
	N/A	N/A	ns	ns
ERT-02-SF	**0.009**	N/A	ns	**0.008**
	0.009	N/A	ns	**0.008**
ERT-02-FF	**0.012**	N/A	ns	**0.008**
	0.009	N/A	ns	**0.009**

Table 4-31. Terrestrial Biota Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	PCB Results (mg/kg wet weight)[1]			
	Terrestrial Plants	Worm	Terrestrial Insects	Small Mammals
ERT-03-FF	**0.014**	**0.024**	ns	**0.013**
	0.009	**0.026**	ns	N/A
	N/A	**0.025**	ns	N/A
ERT-03-SF	**0.013**	N/A	ns	N/A
	0.009	N/A	ns	N/A
ERT Average	0.010	0.024	0.026	0.47

1. Tissue concentrations were measured in homologs.
Bold text indicates value is half of the reporting limit.
ELT: ecological terrestrial transect in lower assessment area
EMT: ecological terrestrial transect in middle assessment area
ERT: ecological terrestrial transect in reference area
EUT: ecological terrestrial transect in upper assessment area
mg/kg: milligram(s) per kilogram
N/A: not analyzed
ns: No sample acquired in specified area.
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-32. Terrestrial Biota Summary for Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Mercury Results (mg/kg wet weight)			
	Terrestrial Plants	Worm	Terrestrial Insects	Small Mammals
OU-4 UAA				
EUT-01-FF	**0.0036**	0.050	ns	**0.0030**
	0.0036	0.041	ns	0.0087
	ns	0.020	ns	ns
EUT-02-FF	**0.0033**	ns	ns	**0.0030**
	0.0038	ns	ns	**0.0033**
EUT-03-SF	**0.0034**	ns	ns	**0.0031**
	0.0037	ns	ns	**0.0030**
	ns	ns	ns	ns
EUT-04-MF	**0.0037**	ns	ns	**0.0031**
	0.0034	ns	ns	0.0065
EUT-05-MF	**0.0036**	ns	ns	ns
	0.0036	ns	ns	ns
EUT-06-MF	**0.0035**	1.0	0.010	**0.0027**
	0.0034	1.0	0.011	**0.0034**
	ns	1.4	0.011	ns
EUT-07-SF	**0.0035**	ns	ns	0.017
	0.0034	ns	ns	0.029
EUT-08-SF	**0.0034**	2.4	**0.0036**	0.010
	0.0036	1.3	0.0067	0.013
	ns	1.9	**0.0034**	ns
EUT-09-FF	**0.0036**	ns	ns	0.022
	0.0034	ns	ns	0.029
EUT Average	0.0035	1.0	0.0076	0.010
OU-4 MAA				
EMT-01-SF	**0.0033**	0.35	**0.0033**	**0.0030**
	0.0035	0.34	**0.0033**	**0.0030**
	ns	0.42	**0.0035**	ns
EMT-02-MF	**0.0036**	ns	ns	ns
	0.0034	ns	ns	ns
	ns	ns	ns	ns
EMT-03-MF	**0.0036**	ns	ns	**0.0021**
	0.0032	ns	ns	ns
EMT-04-MF	**0.0034**	0.21	**0.0033**	ns
	0.0034	0.20	**0.0034**	ns
	ns	0.22	**0.0034**	ns
EMT-05-FF	**0.0036**	ns	ns	0.0071
	0.0034	ns	ns	0.022
EMT-06-SF	**0.0035**	ns	ns	**0.0030**
	0.0036	ns	ns	**0.0024**
EMT-07-FF	**0.0037**	ns	ns	**0.0033**
	0.015	ns	ns	0.089
EMT-08-FF	**0.0036**	0.98	ns	0.061
	0.011	0.20	ns	0.025
	ns	0.55	ns	ns
EMT-09-SF	**0.0036**	ns	ns	ns
	0.0037	ns	ns	ns
EMT Average	0.0045	0.39	0.0033	0.020

Table 4-32. Terrestrial Biota Summary for Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Mercury Results (mg/kg wet weight)			
	Terrestrial Plants	Worm	Terrestrial Insects	Small Mammals
OU-4 LAA				
ELT-01-SF	**0.0036**	ns	ns	**0.0025**
	0.0036	ns	ns	**0.0028**
	ns	ns	ns	ns
ELT-02-SF	**0.0036**	0.030	**0.0038**	**0.0036**
	0.0034	0.062	**0.0038**	**0.0028**
	ns	0.29	**0.0036**	ns
ELT-03-MF	**0.0036**	ns	ns	**0.0028**
	0.0034	ns	ns	**0.0027**
ELT-04-SF	**0.0036**	ns	ns	**0.0028**
	0.0036	ns	ns	ns
ELT-05-FF	**0.0034**	ns	ns	0.016
	0.0035	ns	ns	0.240
ELT-06-FF	**0.0036**	0.39	ns	0.068
	0.0039	1.1	ns	0.043
	ns	0.52	ns	ns
ELT-07-FF	**0.0033**	ns	ns	0.020
	0.0033	ns	ns	**0.0032**
ELT-08-MF	**0.0034**	0.24	**0.0036**	**0.0028**
	0.0037	0.74	**0.0036**	**0.0026**
	ns	0.96	**0.0033**	ns
ELT-09-MF	**0.0033**	ns	ns	**0.0029**
	0.0039	ns	ns	**0.0026**
ELT Average	0.0035	0.48	0.0036	0.025
Reference				
ERT-01-SF	**0.0038**	0.052	**0.0034**	**0.0029**
	0.0038	0.064	**0.0036**	**0.0034**
	ns	0.085	**0.0034**	ns
ERT-01-MF	**0.0035**	ns	ns	**0.0028**
	0.0039	ns	ns	ns
ERT-02-MF	**0.0036**	0.074	**0.0037**	**0.0026**
	0.0039	0.10	**0.0038**	**0.0026**
	ns	0.058	**0.0036**	ns
	ns	ns	ns	ns
ERT-02-SF	**0.0037**	ns	ns	0.013
	0.0037	ns	ns	**0.0028**
ERT-02-FF	0.025	ns	ns	**0.0028**
	0.015	ns	ns	**0.0035**
ERT-03-FF	**0.0040**	0.11	ns	**0.0027**
	0.0036	0.090	ns	ns
	ns	0.13	ns	ns

Table 4-32. Terrestrial Biota Summary for Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Mercury Results (mg/kg wet weight)			
	Terrestrial Plants	Worm	Terrestrial Insects	Small Mammals
ERT-03-SF	**0.0037**	ns	ns	ns
	0.0034	ns	ns	ns
ERT Average	0.0060	0.084	0.0036	0.0039

Bold text indicates value is half of the reporting limit.
ELT: ecological terrestrial transect in lower assessment area
EMT: ecological terrestrial transect in middle assessment area
ERT: ecological terrestrial transect in reference area
EUT: ecological terrestrial transect in upper assessment area
mg/kg: milligram(s) per kilogram
ns: No sample acquired in specified area.
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-33. Terrestrial Biota Summary for Metals
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Measured Concentrations (mg/kg) (wet weight)									
Sample ID	**Arsenic**	**Barium**	**Berylium**	**Cadmium**	**Chromium**	**Cobalt**	**Lead**	**Manganese**	**Nickel**	**Vanadium**
Terrestrial Plants										
EUT-04-MF1	**0.018**	0.52	**0.012**	0.028	0.70	**0.006**	**1.0**	12	0.19	0.022
EUT-07-SF4	**0.017**	8.2	**0.011**	**0.0021**	0.10	**0.006**	**1.0**	4	0.10	0.019
EMT-05-FF1	**0.022**	**0.16**	**0.014**	0.060	**2.0**	**5.0**	**0.0018**	7	0.15	0.026
ELT-02-SF2	**0.021**	15	**0.014**	0.005	0.30	**5.0**	0.036	68	0.10	0.028
ELT-03-MF2	**0.022**	64	**0.014**	0.076	0.12	0.10	**1.0**	61	**0.02**	0.028
ELT-08-MF4	**0.023**	12	**0.015**	0.044	0.16	0.11	**1.0**	76	0.12	0.031
OU-4 Average	0.020	17	0.013	0.036	0.56	1.7	0.67	38	0.11	0.026
ERT-02-MF2	**0.024**	**100**	**0.016**	**1.0**	**2.0**	**5.0**	**1.0**	49	0.36	4.0
Terrestrial Insects (Grasshopper)										
EUT-08-SF1	**0.020**	0.93	**0.013**	0.025	**2.0**	**5.0**	0.07	12	0.26	0.027
ELT-02-SF4	**0.024**	2.4	**0.016**	0.018	**2.0**	**5.0**	**1.0**	12	0.70	0.058
OU-4 Average	0.022	1.67	0.014	0.022	2.0	5.0	0.54	12	0.48	0.043
Soil Invertebrates (Worm)										
EUT-01-FF2	1.0	66	0.14	0.48	3.7	1.6	5.8	183	2.6	2.7
EMT-01-SF2	1.1	48	0.26	4.1	11	2.5	66	292	7.3	3.4
EMT-04-MF2	1.2	41	0.13	1.8	2.7	1.5	4.4	221	2.0	2.3
ELT-06-FF3	1.0	17	0.11	1.5	4.1	1.6	4.7	171	2.1	1.8
OU-4 Average	1.1	42.9	0.16	2.0	5.4	1.8	20	217	3.5	2.6
ERT-01-SF1	0.85	9.4	0.05	0.67	1.1	1.1	1.4	59	0.53	1.3

Table 4-33. Terrestrial Biota Summary for Metals
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Measured Concentrations (mg/kg) (wet weight)									
Sample ID	**Arsenic**	**Barium**	**Berylium**	**Cadmium**	**Chromium**	**Cobalt**	**Lead**	**Manganese**	**Nickel**	**Vanadium**
Small Mammals										
EUT-02-FF3 (mouse)	**0.026**	3.1	**0.017**	**1.0**	1.5	**5.0**	**1.0**	6.8	0.76	**2.0**
EUT-07-SF4	**0.026**	3.0	**0.017**	0.085	0.68	**5.0**	1.2	8.0	0.33	**2.0**
EMT-06-SF4	**0.022**	4.2	**0.014**	**1.0**	0.72	**5.0**	1.7	8.1	0.34	**2.0**
ELT-07-FF6 (mouse)	**0.022**	14	**0.014**	**1.0**	1.3	**5.0**	0.19	5.1	0.22	**2.0**
OU-4 Average	0.024	6.1	0.015	0.77	1.1	5.0	1.0	7.0	0.41	2.0
ERT-01-SF2	0.062	2.6	**0.017**	**1.0**	1.4	**5.0**	0.25	12	0.70	0.28

Bold text indicates value is half of the reporting limit.
EUT: ecological terrestrial transect in upper assessment area
EMT: ecological terrestrial transect in middle assessment area
ELT: ecological terrestrial transect in lower assessment area
ERT: ecological terrestrial transect in reference area
mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-34. Terrestrial and Aquatic Biota (non-fish) Summary for TEQs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Sampling Location	PCDD/DF TEQ (µg/kg)				PCB TEQ (µg/kg)				Total PCDD/DF and PCB TEQ (µg/kg)			
		Avian		Mammalian		Avian		Mammalian		Avian		Mammalian	
		1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0
Aquatic													
Plants	EUA-03-EM2	0.0058	0.0054	0.00088	0.00061	0.14	0.00046	0.053	0.00026	0.15	0.0059	0.05	0.00087
	EUA-03-EM3	0.064	0.064	0.0078	0.0077	0.14	0.00048	0.053	0.00027	0.20	0.064	0.1	0.0080
	EMA-02-EM1	0.0037	0.0032	0.00062	0.00037	0.14	0.00036	0.051	0.00025	0.14	0.0036	0.05	0.00062
	EMA-02-EM2	0.0033	0.0029	0.00061	0.00035	0.14	0.00032	0.052	0.00022	0.14	0.0032	0.05	0.00057
Emergent Insects	EUA-02	0.012	0.010	0.0026	0.0013	8.3	0.047	3.1	0.033	8.3	0.057	3.1	0.034
	EUA-03	0.012	0.011	0.0031	0.0018	8.5	0.038	3.2	0.027	8.5	0.049	3.2	0.029
	EUA-01	0.0045	0.000028	0.0024	0.00017	1.1	0.0043	0.39	0.0030	1.1	0.0043	0.39	0.0032
	ELA-02	0.019	0.017	0.0061	0.0048	0.63	0.0016	0.24	0.0012	0.65	0.019	0.25	0.0060
Benthic Macroinvertebrates	EUA-01-BM1	0.0073	0.0062	0.0015	0.00078	0.44	0.0023	0.17	0.0017	0.45	0.0085	0.17	0.0025
	EUA-03-BM2	0.051	0.037	0.026	0.011	0.46	0.0014	0.17	0.00077	0.51	0.038	0.20	0.012
	EMA-01-BM1	0.028	0.028	0.0042	0.0037	0.41	0.0018	0.15	0.00094	0.44	0.030	0.15	0.0046
	EMA-02-BM1	0.024	0.023	0.0036	0.0031	0.45	0.0017	0.17	0.00094	0.47	0.025	0.17	0.0040
Crayfish	EUA-01-CF2	0.0047	0.0041	0.00090	0.00048	0.39	0.0023	0.15	0.0017	0.39	0.0064	0.15	0.0022
	EMA-03-CF1	0.0098	0.0088	0.0022	0.0012	0.29	0.0019	0.11	0.0013	0.30	0.011	0.11	0.0025
	EMA-03-CF3	0.0051	0.0045	0.00077	0.00046	0.14	0.0013	0.055	0.00099	0.15	0.0058	0.06	0.0015
Mollusks	EUA-01-MS3	0.0031	0.0026	0.00066	0.00032	0.42	0.00064	0.16	0.00062	0.42	0.0032	0.16	0.00094
	EUA-03-MS1	0.011	0.011	0.0020	0.0017	1.6	0.92	1.0	0.92	1.6	0.93	1.0	0.92
	ELA-03-MS1	0.035	0.035	0.0048	0.0044	0.88	0.0026	0.33	0.0022	0.92	0.038	0.33	0.0066
	ELA-03-MS3	0.082	0.082	0.0096	0.0094	0.85	0.0028	0.32	0.0024	0.93	0.085	0.33	0.012
Frogs	EUA-01	0.0045	0.000028	0.0024	0.00017	1.1	0.0043	0.39	0.0030	1.1	0.0043	0.39	0.0032
	EMA-03	0.0043	0.0037	0.0013	0.00065	1.7	0.0042	0.63	0.0032	1.7	0.0079	0.63	0.0039
	ELA-02	0.019	0.017	0.0061	0.0048	0.63	0.0016	0.24	0.0012	0.65	0.019	0.25	0.0060
Snakes	EMA-02	0.010	0.010	0.0027	0.0026	4.2	0.018	1.6	0.014	4.2	0.028	1.6	0.017

Table 4-34. Terrestrial and Aquatic Biota (non-fish) Summary for TEQs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Sampling Location	PCDD/DF TEQ (µg/kg)				PCB TEQ (µg/kg)				Total PCDD/DF and PCB TEQ (µg/kg)			
		Avian		Mammalian		Avian		Mammalian		Avian		Mammalian	
		1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0
Terrestrial													
Plants	EUT-09-FF6	0.00050	0.00034	0.00017	0.000054	N/A	N/A	N/A	N/A	N/A	N/A	0.17	0.054
	EMT-07-FF3	0.00097	0.00059	0.00039	0.000083	0.21	0.000021	0.079	0.000063	0.21	0.00061	0.079	0.00015
	EMT-07-FF4	0.0023	0.0011	0.00085	0.00024	0.21	0.00014	0.079	0.000099	0.21	0.0012	0.080	0.00034
Earthworms[1]	EUT-06-MF3	N/A	N/A	N/A	N/A	5.8	4.3	4.5	4.3	N/A	N/A	0.0045	0.0043
	ELT-08-MF1	N/A	N/A	N/A	N/A	0.77	0.47	0.51	0.47	N/A	N/A	0.00051	0.00047
	ELT-08-MF3	N/A	N/A	N/A	N/A	1.7	1.1	1.2	1.1	N/A	N/A	0.0012	0.0011
	ELT-06-FF1	N/A	N/A	N/A	N/A	0.45	0.0027	0.17	0.0020	N/A	N/A	0.00017	0.0000020
	ELT-06-FF2	N/A	N/A	N/A	N/A	2.1	0.0099	0.79	0.0073	N/A	N/A	0.00079	0.0000073
Small Mammals	EUT-08-SF5	0.0063	0.0062	0.0024	0.0023	3.2	0.00051	1.2	0.0015	3.2	0.0067	1.2	0.0038
	EUT-09-FF5	0.020	0.020	0.0069	0.0067	7.0	0.018	2.6	0.0087	7.0	0.038	2.6	0.015
	EMT-05-FF2	0.0051	0.0049	0.0018	0.0016	1.3	0.0027	0.51	0.0013	1.3	0.0076	0.5	0.0029
	EMT-08-FF6	0.0046	0.0040	0.0019	0.0013	0.69	0.0016	0.26	0.00084	0.69	0.0056	0.3	0.0021
	ELT-07-FF5	0.0076	0.0070	0.0026	0.0021	4.1	0.0035	1.5	0.0023	4.1	0.011	1.5	0.0044
	ELT-06-FF3	0.011	0.011	0.0041	0.0034	2.8	0.0071	1.1	0.0036	2.8	0.018	1.1	0.0070
	ERT-01-SF2	0.00039	0.00014	0.00025	0.000033	5.5	0.0048	2.0	0.0044	5.5	0.0049	2.0	0.0044

1. Earthworm samples were only analyzed for PCB congener TEQs.
N/A: not analyzed
OU: operable unit
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzo-*p* -dioxins/polychlorinated dibenzofurans
RL: reporting limit
TEQ: toxic equivalent
µg/kg: microgram(s) per kilogram
0: TEQs were calculated using 0 for nondetect values.
1/2RL: TEQs were calculated using 1/2 the reporting limit for nondetect values.

Table 4-35. Summary of Aquatic Biota Sample Collection
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Number of Habitats Surveyed per Assessment Area	Number of Samples Locations per Habitat	Number of Samples per Location	Total Samples per Assessment Area	Total Samples in OU-4	Reference Samples
Plants	1	3	3	9 (9)	27 (27)	9 (9)
Aquatic Mollusks and Crustaceans[1]	3	1	3	9 (9)	27 (27)	9 (9)
Benthic Macroinvertebrates[2]	3	1	3	9 (9)	27 (27)	9 (9)
Emergent and Flying Insects	3	1	3	9 (9)	27 (27)	9 (9)
Fish:						
Forage	3	3	3	27 (27)	81 (81)	27 (27)
Bottom feeder	Not habitat specific	3	3	9 (9)	27 (27)	9 (9)
Predator	Not habitat specific	3	3	9 (9)	27 (27)	9 (9)
Reptiles and Amphibians[3]	3	3	1	9 (9)	27 (27)	9 (10)

1. Aquatic mollusks were the primary target, with crayfish added as a surrogate in case abundance was low.

2. Benthic macroinvertebrates were focused on larval stages found within the water column and sediment interface and on emergent vegetation and large woody debris.

3. An American toad was collected at REF-3 (Talladega Creek), but was replaced with a cottonmouth for representing reptiles and amphibians.

Total target sample numbers are listed with actual field collection sample numbers within parentheses.
OU: operable unit

Table 4-36. Aquatic Biota (non-fish) Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

		Measured Concentrations mg/kg wet weight						
Biological Sampling Area	**Sampling Location**	**Aquatic Plants**	**Emergent Insects**	**Benthic Invertebrates**	**Crayfish**	**Mollusks**	**Frog**	**Snake**
OU-4 UAA								
EUA-01	EUA-01-19	0.13	0.83	0.65	0.45	0.80	3.5	7.7
	EUA-01-20	0.07	0.11	0.19	0.84	0.54	4.0	ns
	EUA-01-21	0.15	0.10	0.18	0.43	0.49	ns	ns
EUA-02	EUA-02-43	0.16	7.4	0.21	1.0	1.1	1.9	38
	EUA-02-44	0.15	6.9	0.26	1.0	1.4	0.57	ns
	EUA-02-45	0.18	5.8	0.23	0.49	1.0	ns	ns
EUA-03	EUA-03-25	0.15	7.8	0.22	0.35	1.4	4.2	ns
	EUA-03-26	0.20	7.7	0.43	ns	1.2	7.5	ns
	EUA-03-27	0.20	6.3	0.32	ns	1.0	1.1	ns
EUA Average		0.15	4.8	0.30	0.65	0.99	3.3	23
OU-4 MAA								
EMA-01	EMA-01-01	**0.009**	0.10	0.37	0.70	0.50	0.58	32
	EMA-01-02	0.15	0.18	0.30	0.70	0.40	1.2	ns
	EMA-01-03	0.09	0.22	0.22	ns	0.60	ns	ns
EMA-02	EMA-02-07	0.21	0.20	0.44	0.49	0.60	0.65	5.0
	EMA-02-08	0.17	0.24	0.33	ns	0.50	0.58	ns
	EMA-02-09	**0.009**	0.23	0.39	0.22	0.60	ns	ns
EMA-03	EMA-03-31	**0.009**	0.26	0.27	0.66	1.0	1.1	ns
	EMA-03-32	0.070	0.28	0.30	0.53	0.90	0.74	ns
	EMA-03-33	0.060	0.36	0.21	0.45	1.2	0.53	ns
EMA Average		0.086	0.23	0.31	0.54	0.70	0.77	19
OU-4 LAA								
ELA-01	ELA-01-55	0.10	0.20	0.22	0.35	0.60	ns	10
	ELA-01-56	0.07	0.30	0.14	0.23	0.60	ns	8.9
	ELA-01-57	0.09	0.30	0.17	0.31	0.48	ns	8.9
ELA-02	ELA-02-61	0.06	0.28	0.14	0.06	1.0	1.3	6.9
	ELA-02-62	**0.009**	0.29	0.15	0.14	0.68	1.0	ns
	ELA-02-63	**0.009**	0.43	0.19	0.31	1.0	ns	ns
ELA-03	ELA-03-67	0.060	0.20	0.13	0.20	0.90	ns	6.7
	ELA-03-68	0.050	0.18	0.15	0.21	0.80	ns	13
	ELA-03-69	**0.009**	0.35	0.12	0.27	0.90	ns	14
ELA Average		0.051	0.28	0.16	0.23	0.77	1.2	9.8

Table 4-36. Aquatic Biota (non-fish) Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

		Measured Concentrations mg/kg wet weight						
Biological Sampling Area	**Sampling Location**	**Aquatic Plants**	**Emergent Insects**	**Benthic Invertebrates**	**Crayfish**	**Mollusks**	**Frog**	**Snake**
Reference								
ERA-01	ERA-01-49	**0.009**	**0.05**	**0.03**	ns	**0.03**	ns	0.35
	ERA-01-50	**0.009**	**0.05**	**0.03**	ns	**0.03**	ns	0.30
	ERA-01-51	**0.009**	**0.05**	**0.02**	ns	**0.01**	ns	0.05
ERA-02	ERA-02-13	1.0	**0.03**	**0.01**	**0.02**	**0.01**	**0.01**	0.02
	ERA-02-14	**0.009**	**0.02**	**0.03**	**0.02**	**0.01**	**0.03**	ns
	ERA-02-15	**0.009**	**0.02**	**0.03**	**0.02**	**0.01**	ns	ns
ERA-03	ERA-03-37	**0.009**	**0.07**	**0.03**	ns	**0.01**	**0.01**	**0.01**
	ERA-03-38	**0.009**	**0.05**	**0.03**	ns	**0.01**	0.02	1.3
	ERA-03-39	**0.009**	**0.05**	**0.03**	ns	**0.01**	ns	ns
ERA Average		0.12	0.043	0.027	0.020	0.014	0.018	0.34

1. Crayfish tissue and mollusk tissue concentrations were measured as Aroclors while all other tissue concentrations were measured as homologs.
Total PCBs calculated as the sum of detected Aroclors or homologs.
Bold values are one-half the highest reporting limit for an individual Aroclor or homolog for samples in which all Aroclors or homologs were nondetect.
mg/kg: milligram(s) per kilogram
ns: no sample was aquired in specified area.
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-37. Aquatic Biota (non-fish) Summary for Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

		Measured Concentrations mg/kg wet weight						
Biological Sampling Area	**Sampling Location**	**Aquatic Plants**	**Emergent Insects**	**Benthic Invertebrates**	**Crayfish**	**Mollusks**	**Frog**	**Snake**
OU-4 UAA								
EUA-01	EUA-01-19	**0.004**	0.04	0.02	0.03	0.01	0.15	0.26
	EUA-01-20	**0.004**	0.03	0.04	0.03	0.01	0.20	ns
	EUA-01-21	0.008	0.04	0.03	0.03	0.01	ns	ns
EUA-02	EUA-02-43	0.018	0.07	0.03	**0.10**	0.02	0.02	0.14
	EUA-02-44	0.019	0.07	0.03	0.04	0.03	0.03	ns
	EUA-02-45	0.015	0.10	0.03	0.03	0.02	ns	ns
EUA-03	EUA-03-25	0.017	0.13	0.04	0.05	0.03	0.18	ns
	EUA-03-26	0.015	0.12	0.05	ns	0.03	0.2	ns
	EUA-03-27	0.02	0.10	0.04	ns	0.02	0.16	ns
EUA Average		0.01	0.08	0.03	0.04	0.02	0.13	0.20
OU-4 MAA								
EMA-01	EMA-01-01	0.013	0.05	0.05	0.05	0.02	0.16	0.14
	EMA-01-02	**0.004**	0.06	0.05	0.05	0.03	0.08	ns
	EMA-01-03	0.02	0.10	0.06	ns	0.01	ns	ns
EMA-02	EMA-02-07	0.009	0.02	0.10	0.05	0.02	0.06	0.45
	EMA-02-08	0.01	0.01	0.04	ns	0.02	0.05	ns
	EMA-02-09	0.06	0.02	0.05	0.04	0.03	ns	ns
EMA-03	EMA-03-31	**0.004**	0.05	0.06	0.04	0.04	0.07	ns
	EMA-03-32	**0.004**	0.04	0.06	0.05	0.03	0.09	ns
	EMA-03-33	**0.004**	0.04	0.05	0.08	0.04	0.3	ns
EMA Average		0.014	0.043	0.058	0.051	0.027	0.12	0.30
OU-4 LAA								
ELA-01	ELA-01-55	**0.004**	0.05	0.05	**0.10**	0.03	ns	0.18
	ELA-01-56	0.009	0.07	0.06	0.07	0.04	ns	0.29
	ELA-01-57	**0.004**	0.08	0.06	0.05	0.04	ns	0.24
ELA-02	ELA-02-61	0.023	0.05	0.05	0.08	0.06	0.13	0.5
	ELA-02-62	0.016	0.06	0.11	0.06	0.07	0.06	ns
	ELA-02-63	0.007	0.07	0.05	0.05	0.07	ns	ns
ELA-03	ELA-03-67	0.014	0.02	0.05	0.03	0.06	ns	0.47
	ELA-03-68	0.014	0.02	0.11	0.04	0.06	ns	0.39
	ELA-03-69	0.012	0.05	0.06	0.05	0.06	ns	0.11
ELA Average		0.011	0.052	0.067	0.059	0.054	0.095	0.31
Reference								
ERA-01	ERA-01-49	0.013	0.02	0.02	ns	0.02	ns	0.30
	ERA-01-50	**0.004**	0.02	0.02	ns	0.02	ns	0.13
	ERA-01-51	0.010	0.01	0.02	ns	0.02	ns	0.10
ERA-02	ERA-02-13	**0.004**	0.02	0.02	0.02	0.05	0.02	0.12
	ERA-02-14	0.008	0.01	0.04	0.03	0.04	0.02	ns
	ERA-02-15	**0.003**	0.02	0.04	0.02	0.06	ns	ns
ERA-03	ERA-03-37	**0.004**	0.05	0.01	ns	0.02	0.02	0.10
	ERA-03-38	**0.004**	0.05	0.01	ns	0.02	ns	0.17
	ERA-03-39	**0.004**	0.08	0.01	ns	0.01	ns	ns
ERA Average		0.006	0.031	0.021	0.023	0.029	0.020	0.15

Bold text indicates value is shown at half the reporting limit.
mg/kg: milligram(s) per kilogram
ns: No sample acquired in specified area.
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-38. Aquatic Biota (non-fish) Summary for Metals[1]
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sample ID	Measured Concentrations (mg/kg) (wet weight)									
	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Manganese	Nickel	Vanadium
Aquatic Plants										
EUA-02	0.20	17	**0.01**	0.04	0.6	**5.0**	1.7	244	0.04	0.36
EMA-03	0.11	7	**0.01**	0.03	0.5	**5.0**	0.57	124	0.14	0.28
ELA-01	0.09	10	**0.02**	**0.09**	**0.18**	**0.45**	0.28	200	0.10	**0.18**
Average	0.13	12	0.01	0.05	0.42	3.5	0.85	189	0.09	0.27
ERA-03	0.15	26	**0.02**	0.03	1.0	1.1	0.42	361	0.53	1.5
Emergent Insects										
EUA-02	**0.03**	1.3	**0.02**	**1.0**	**2.0**	**5.0**	0.08	5.4	0.47	**2.0**
EMA-02	0.06	3.7	**0.02**	0.29	3.8	**5.0**	0.22	33	2.4	0.19
ELA-03	0.07	1.5	**0.02**	0.10	3.9	0.08	0.13	9.0	2.2	**0.10**
Average	0.05	2.2	0.02	0.46	3.2	3.4	0.14	16	1.7	0.76
ERA-01	**0.03**	2.6	**0.02**	0.03	0.87	0.02	0.08	7.0	0.49	0.09
Benthic Macroinvertebrates										
EUA-02	0.17	5.4	**0.01**	**1.0**	0.30	0.40	0.54	323	0.25	0.23
EMA-03	0.23	5.6	**0.02**	0.10	0.58	0.64	0.75	243	0.34	0.37
ELA-03	0.40	5.9	**0.02**	0.09	0.51	**5.0**	0.57	112	0.28	0.35
Average	0.27	5.6	0.02	0.40	0.46	2.0	0.62	226	0.29	0.32
ERA-01	0.29	4.9	0.03	**1.0**	0.26	0.40	0.26	182	0.21	0.28
Crayfish										
EUA-02	0.16	40	**0.01**	**1.0**	**2.0**	**5.0**	0.45	146	**0.018**	**2.0**
EUA-03	0.29	55	**0.01**	**1.0**	0.38	**5.0**	0.90	281	**0.16**	0.38
ELA-01	0.18	30	**0.01**	0.12	**2.0**	**5.0**	0.26	111	**0.015**	**2.0**
Average	0.21	42	0.01	0.71	1.5	5.0	0.54	179	0.06	1.46
Mollusks										
EUA-01	0.26	2.8	**0.02**	0.08	0.76	0.28	0.29	19	0.14	0.15
EMA-03	0.19	2.3	**0.02**	0.13	0.82	0.33	0.38	15	0.18	0.16
ELA-03	0.20	2.7	**0.01**	0.16	1.1	0.29	0.30	14	0.35	0.12
Average	0.22	2.6	0.02	0.12	0.89	0.30	0.32	16	0.22	0.14
ERA-03	0.27	3.2	**0.02**	0.36	0.47	0.45	0.13	39	0.31	0.42
Frog										
EUA-01	0.13	10	**0.018**	0.11	1.7	0.37	0.63	141	0.78	0.24
EUA-01a	0.15	9.5	**0.017**	0.10	3.9	0.31	0.89	33	1.9	0.35
Average	0.14	9.95	0.017	0.11	2.80	0.34	0.76	86.75	1.34	0.30
Snake										
ELA-03	**0.03**	2.2	**0.018**	**1.0**	**2.0**	**5.0**	0.17	9.0	**0.020**	**2.0**
ERA-01	0.10	2.3	**0.017**	**0.0032**	0.38	0.10	0.07	9.5	**0.020**	0.15

1. Table includes selected metals; data for all metals provided in the electronic data appendix.
Bold text indicates value is shown at half the reporting limit.
mg/kg: milligram(s) per kilogram
OU: operable unit

Table 4-39. Whole-Body Fish Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Total PCBs (mg/kg wet weight)[1]		
	Forage Fish	Bottom Fish	Predator Fish
OU-4			
EUA-01	4.9	10	17
	1.7	13	18
	2.4	13	6
	4.6	-	-
	4.4	-	-
	4.5	-	-
	5.8	-	-
	3.4	-	-
	5.0	-	-
EUA-02	5.3	16	26
	7.6	12	18
	2.7	16	24
	4.6	-	-
	4.5	-	-
	6.0	-	-
	4.6	-	-
	4.6	-	-
	3.7	-	-
EUA-03	8.0	19	31
	4.0	19	41
	2.1	19	24
	10	-	-
	5.4	-	-
	7.9	-	-
	8.6	-	-
	4.2	-	-
	7.3	-	-
EMA-01	6.7	17	17
	5.7	6	14
	5.4	6	11
	8.3	-	-
	9.0	-	-
	8.3	-	-
	14	-	-
	14	-	-
	12	-	-
EMA-02	7.3	10	32
	7.4	13	15
	5.5	10	13
	9.7	-	-
	9.8	-	-
	9.9	-	-
	13	-	-
	15	-	-
	7.3	-	-

Table 4-39. Whole-Body Fish Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Total PCBs (mg/kg wet weight)[1]		
	Forage Fish	Bottom Fish	Predator Fish
OU-4 cont.			
EMA-03	5.5	13	21
	6.2	8	29
	4.9	9	32
	13	-	-
	10	-	-
	9.8	-	-
	8.0	-	-
	5.1	-	-
	8.1	-	-
ELA-01	5.8	18	22
	8.5	18	26
	9.9	11	35
	8.6	-	-
	8.4	-	-
	8.9	-	-
	6.9	-	-
	5.7	-	-
	8.0	-	-
ELA-02	5.8	13	13
	5.9	7	19
	5.1	9	16
	7.1	-	-
	13	-	-
	9.2	-	-
	7.9	-	-
	7.5	-	-
	4.2	-	-
ELA-03	6.4	21	24
	5.7	15	31
	4.2	17	14
	12	-	-
	12	-	-
	8.2	-	-
	8.3	-	-
	9.7	-	-
	11	-	-

Table 4-39. Whole-Body Fish Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Total PCBs (mg/kg wet weight)[1]		
	Forage Fish	Bottom Fish	Predator Fish
Reference			
ERA-01	2.8	0.18	5
	0.9	0.18	1.6
	0.4	0.16	3.3
	0.2	-	-
	0.2	-	-
	0.4	-	-
	1.0	-	-
	0.3	-	-
	4.6	-	-
ERA-02	0.1	**0.01**	0.28
	0.1	**0.01**	0.4
	0.01	**0.01**	0.04
	0.01	-	-
	0.02	-	-
	0.01	-	-
	0.1	-	-
	0.01	-	-
	0.01	-	-
ERA-03	0.02	**0.01**	0.3
	0.3	0.15	0.32
	0.2	0.10	0.12
	0.03	-	-
	0.1	-	-
	0.1	-	-
	0.1	-	-
	0.4	-	-
	0.2	-	-

1. All fish tissue PCB concentrations were measured as Aroclors.
Bold text indicates value is shown at half the reporting limit.
mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
-: not sampled; collected three samples for bottom and predator fish and nine samples for forage fish.

Table 4-40. Whole-Body Fish Summary for Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Mercury (mg/kg wet weight)		
	Forage Fish	Bottom Fish	Predator Fish
OU-4			
EUA-01	0.040	0.080	0.27
	0.017	0.15	0.27
	0.015	0.084	0.22
	0.052	ns	ns
	0.040	ns	ns
	0.041	ns	ns
	0.057	ns	ns
	0.022	ns	ns
	0.029	ns	ns
EUA-02	0.055	0.24	0.31
	0.046	0.094	0.59
	0.049	0.11	0.25
	0.049	ns	ns
	0.038	ns	ns
	0.033	ns	ns
	0.054	ns	ns
	0.025	ns	ns
	0.048	ns	ns
EUA-03	0.062	0.14	0.53
	0.022	0.19	0.33
	0.021	0.12	0.36
	0.066	ns	ns
	0.043	ns	ns
	0.033	ns	ns
	0.064	ns	ns
	0.030	ns	ns
	0.011	ns	ns
EUA Average	0.039	0.13	0.35
EMA-01	0.089	0.14	0.29
	0.091	0.055	0.39
	0.059	0.066	0.36
	0.089	ns	ns
	0.10	ns	ns
	0.10	ns	ns
	0.16	ns	ns
	0.15	ns	ns
	0.15	ns	ns
EMA-02	0.11	0.050	0.45
	0.089	0.15	0.53
	0.089	0.11	0.37
	0.17	ns	ns
	0.14	ns	ns
	0.17	ns	ns
	0.22	ns	ns
	0.18	ns	ns
	0.15	ns	ns

Table 4-40. Whole-Body Fish Summary for Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Mercury (mg/kg wet weight)		
	Forage Fish	Bottom Fish	Predator Fish
OU-4 cont.			
EMA-03	0.072	0.13	0.51
	0.11	0.12	0.25
	0.070	0.10	0.41
	0.14	ns	ns
	0.15	ns	ns
	0.13	ns	ns
	0.18	ns	ns
	0.14	ns	ns
	0.15	ns	ns
EMA Average	0.13	0.10	0.40
ELA-01	0.10	0.093	0.59
	0.11	0.28	0.41
	0.16	0.16	0.60
	0.20	ns	ns
	0.16	ns	ns
	0.21	ns	ns
	0.11	ns	ns
	0.090	ns	ns
	0.12	ns	ns
ELA-02	0.066	0.12	0.50
	0.052	0.10	0.40
	0.075	0.17	0.51
	0.14	ns	ns
	0.18	ns	ns
	0.15	ns	ns
	0.12	ns	ns
	0.12	ns	ns
	0.11	ns	ns
ELA-03	0.13	0.35	0.59
	0.10	0.19	0.50
	0.12	0.18	0.83
	0.20	ns	ns
	0.24	ns	ns
	0.18	ns	ns
	0.20	ns	ns
	0.28	ns	ns
	0.24	ns	ns

Table 4-40. Whole-Body Fish Summary for Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	Mercury (mg/kg wet weight)		
	Forage Fish	Bottom Fish	Predator Fish
ELA Average	0.15	0.18	0.55
Reference			
ERA-01	0.10	0.10	0.18
	0.12	0.10	0.17
	0.088	0.15	0.28
	0.076	ns	ns
	0.11	ns	ns
	0.10	ns	ns
	0.090	ns	ns
	0.082	ns	ns
	0.094	ns	ns
ERA-02	0.077	0.18	0.41
	0.059	0.13	0.63
	0.070	0.13	0.27
	0.062	ns	ns
	0.088	ns	ns
	0.077	ns	ns
	0.073	ns	ns
	0.046	ns	ns
	0.075	ns	ns
Reference cont.			
ERA-03	0.031	0.059	0.31
	0.024	0.078	0.30
	0.030	0.075	0.20
	0.053	ns	ns
	0.031	ns	ns
	0.021	ns	ns
	0.064	ns	ns
	0.035	ns	ns
	0.022	ns	ns
ERA Average	0.067	0.11	0.31

1. All fish tissue mercury was measured as total mercury.
Bold text indicates value is shown at half the reporting limit.
OU: operable unit
PCB: polychlorinated biphenyl
mg/kg: milligram(s) per kilogram
ns: not sampled

Table 4-41. Whole-Body Fish Summary for Metals
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Sample ID	Measured Concentrations mg/kg wet weight									
	Arsenic	Barium	Berylium	Cadmium	Chromium	Cobalt	Lead	Manganese	Nickel	Vanadium
Forage Fish										
EUA-01-FF5	0.06	2.4	**0.01**	**1.0**	1.3	**5.0**	**1.0**	13	0.47	**2.0**
EUA-01-FF6	0.05	2.1	**0.01**	**1.0**	0.93	**5.0**	**1.0**	7.9	0.31	**2.0**
EUA-01-FF7	0.04	3.0	**0.01**	**0.07**	0.32	**0.35**	0.05	18	**0.02**	**0.15**
EUA-03-FF7	0.16	8.6	**0.02**	0.04	2.9	**5.0**	0.54	56	1.4	0.31
ELA-01-FF8	**0.02**	**50**	**0.01**	0.05	1.4	**5.0**	0.05	8.5	0.50	**2.0**
ELA-01-FF9	**0.02**	**50**	**0.01**	**1.0**	1.7	**5.0**	0.04	6.9	0.64	**2.0**
OU-4 Average	0.06	19	0.01	0.53	1.4	4.2	0.45	19	0.56	1.4
Bottom Fish										
EUA-02-BF1	**0.02**	3.2	**0.01**	**0.08**	0.21	**0.40**	0.12	27	**0.02**	**0.15**
EMA-02-BF2	**0.02**	0.76	**0.01**	**1.0**	0.10	**0.01**	0.10	6.1	**0.02**	**0.01**
ELA-01-BF1	**0.02**	**4.3**	**0.02**	**0.09**	**0.15**	**0.45**	**0.09**	13	**0.02**	**0.15**
ELA-02-BF1	**0.02**	3.2	**0.01**	0.09	0.24	0.10	0.07	21	**0.02**	0.09
OU-4 Average	0.02	2.9	0.01	0.31	0.17	0.24	0.09	17	0.02	0.10
ERA-03-BF2	0.05	9.1	**0.01**	0.04	3.9	0.23	0.04	139	1.3	0.08
Predator Fish										
EMA-02-PR1	**0.02**	1.0	**0.01**	**1.0**	0.15	**0.01**	0.03	5.5	**0.02**	**0.01**
ELA-01-PR2	**0.02**	**4.3**	**0.02**	**0.09**	0.53	**0.45**	**0.09**	1.1	**0.02**	**0.15**
ELA-02-PR3	**0.02**	2.0	**0.01**	0.04	0.39	0.07	0.07	3.6	**0.02**	0.05
ELA-03-PR1	0.04	3.7	**0.01**	0.02	**2.0**	0.11	**1.0**	7.1	**0.01**	**2.0**
OU-4 Average	0.03	2.7	0.01	0.29	0.77	0.16	0.30	4.3	0.02	0.55
ERA-01-PR1	**0.02**	1.5	**0.01**	0.03	0.17	0.04	**1.0**	1.8	**0.02**	0.03
ERA-02-PR1	0.05	2.5	**0.02**	0.01	0.17	0.06	0.04	6.4	**0.02**	0.04

Bold text indicates value is shown at half the reporting limit.
mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

Table 4-42. Whole-Body Fish Summary for TEQs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location ID	PCDD/DF TEQ (µg/kg)						PCB TEQ (µg/kg)						Total PCDD/DF and PCB TEQ (µg/kg)					
	Avian		Mammalian		Fish		Avian		Mammalian		Fish		Avian		Mammalian		Fish	
	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0	1/2 RL	0
Site																		
Upper Assessment Area																		
EUA-01-FF2	0.0072	0.0063	0.0014	0.00063	0.0011	0.00032	1.3	0.0032	0.50	0.0023	0.024	0.00039	1.31	0.0095	0.50	0.0029	0.025	0.00070
EUA-01-FF3	0.0055	0.0048	0.0011	0.00048	0.00091	0.00024	1.4	0.0041	0.53	0.0030	0.025	0.00050	1.41	0.0089	0.53	0.0035	0.026	0.00073
EUA-01-FF4	0.011	0.010	0.0019	0.0010	0.0015	0.00051	1.5	0.0083	0.56	0.0063	0.027	0.0011	1.51	0.018	0.56	0.0073	0.029	0.0016
EUA-01-FF8	0.0091	0.0079	0.0018	0.00080	0.0014	0.00040	2.8	0.0071	1.1	0.0054	0.050	0.00090	2.81	0.015	1.10	0.0062	0.052	0.0013
EUA-01-PR3	0.016	0.011	0.0054	0.0011	0.0044	0.00057	2.8	0.011	1.1	0.0085	0.051	0.0014	2.82	0.022	1.11	0.010	0.055	0.0020
EUA-02-FF3	0.0057	0.0047	0.0013	0.00047	0.0011	0.00024	1.4	0.0055	0.53	0.0042	0.026	0.00070	1.41	0.010	0.53	0.0047	0.027	0.00094
EUA-02-FF9	0.0065	0.0057	0.0013	0.00057	0.0010	0.00029	2.8	0.0069	1.1	0.0050	0.050	0.00084	2.81	0.013	1.1	0.0056	0.051	0.0011
EUA-03-FF3	0.0081	0.0068	0.0018	0.00070	0.0015	0.00035	0.71	0.0037	0.27	0.0028	0.013	0.00047	0.72	0.011	0.27	0.0035	0.014	0.00082
EUA-03-FF8	0.0058	0.0053	0.00086	0.00054	0.00065	0.00027	2.8	0.0075	1.1	0.0055	0.050	0.00092	2.81	0.013	1.1	0.0060	0.051	0.0012
Middle Assessment Area																		
EMA-01-FF3	0.027	0.025	0.0037	0.0025	0.0028	0.0015	1.3	0.013	0.51	0.0096	0.025	0.0016	1.33	0.038	0.51	0.012	0.028	0.0031
EMA-01-FF6	0.067	0.064	0.0081	0.0065	0.0053	0.0034	3.5	0.021	1.3	0.016	0.064	0.0027	3.57	0.085	1.3	0.023	0.070	0.0060
EMA-02-BF3	0.095	0.092	0.015	0.013	0.015	0.012	4.4	0.020	1.7	0.016	0.080	0.0026	4.50	0.11	1.7	0.029	0.094	0.015
Lower Assessment Area																		
ELA-02-BF2	0.049	0.048	0.0077	0.0071	0.0082	0.0075	2.8	0.018	1.1	0.014	0.052	0.0023	2.85	0.066	1.1	0.021	0.060	0.010
ELA-02-FF1	0.13	0.13	0.095	0.094	0.093	0.0917	2.8	0.014	1.1	0.011	0.051	0.0018	2.93	0.14	1.2	0.11	0.14	0.093
ELA-02-FF2	0.087	0.085	0.012	0.011	0.0084	0.0073	2.8	0.013	1.1	0.010	0.051	0.0017	2.89	0.098	1.1	0.021	0.060	0.0090
ELA-02-FF4	0.17	0.17	0.019	0.017	0.011	0.0084	2.8	0.017	1.1	0.013	0.051	0.0022	2.97	0.19	1.1	0.030	0.062	0.011
ELA-02-PR1	0.066	0.061	0.0089	0.0061	0.0067	0.0030	4.2	0.028	1.6	0.021	0.078	0.0036	4.27	0.089	1.6	0.027	0.084	0.0066
Reference																		
ERA-03-PR2	0.0028	0.0012	0.0016	0.00014	0.0016	0.00017	0.29	0.00056	0.11	0.00040	0.0053	0.000067	0.29	0.0018	0.11	0.00054	0.0069	0.00024

Avian: TEQs were calculated using avian toxicity equivalency factors.
Fish: TEQs were calculated using fish toxicity equivalency factors.
Mammalian: TEQs were calculated using mammalian toxicity equivalency factors.
OU: operable unit
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzo-p-dioxin/polychlorinated dibenzofuran
RL: reporting limit
TEQ: toxic equivalent
µg/kg: microgram(s) per kilogram
0: TEQs were calculated using 0 for nondetect values.
1/2RL: TEQs were calculated using 1/2 the reporting limit for nondetect values.

Table 4-43. Sediment Toxicity Testing with *Chironomus dilutus*
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field ID	Lab	Cycle	OC (kg/kg)	PCB-H (mg/kg)	PCB-H/OC (mg/kg OC)	PCB-A (mg/kg)	PCB-A/OC (mg/kg OC)	Endpoints (% of each batch's control response)						
								13-Day Survival (%)	13-Day Total Ash-Free Biomass (mg)	Emergence (%)	Median Emergence Time (days)	Median Adult Survival Time (days)	Hatch (%)	Total # Young/ Female
TX40-04	USGS	1a	0.019	68	3,700	27	1,400	104	70	65	111	63	103	53
TX60-03	USGS	1a	0.013	100	7,500	60	4,500	107	39	8.1	127	37	0	0
TX30-03	USGS	1a	0.040	150	3,800	65	1,600	98	62	42	107	58	100	46
TX50-01	USGS	1a	0.028	770	28,000	320	1,200	60	22	30	122	50	101	37
TXR1-02	USGS	1a	0.0072	0.062	8.6	0.046	6.4	104	115	91	95	65	99	52
TX50-04	USGS	1a	0.025	240	9,500	86	3,400	100	81	82	110	56	100	60
TX30-02	USGS	1a	0.026	740	28,000	480	18,000	22	4.3	4.1	112	33	--	0
TX50-02	USGS	1a	0.026	1,200	46,000	440	17,000	60	17	4.1	119	44	--	0
TX60-02	USGS	1a	0.011	8.8	793	3.1	280	91	92	70	103	55	108	52
TX30-01	USGS	1a	0.026	60	2,300	26	1,000	104	84	51	100	40	107	33
TX50-05	USGS	1a	0.023	410	18,000	200	8,900	76	30	43	100	62	101	67
Control	USGS	1a	0.012	0.16	14	0.058	5.0	100	100	100	100	100	100	100
TX60-03	USACE	1a	0.013	100	7,500	60	4,500	83	26	25	116	84	103	20
TX50-04	USACE	1a	0.025	240	9,500	86	3,400	96	57	85	103	92	101	69
TX30-02	USACE	1a	0.026	740	28,000	480	18,000	11	2.5	0	--	--	--	0
TX30-01	USACE	1a	0.026	60	2,300	26	1,000	96	50	93	109	97	103	100
TX50-05	USACE	1a	0.023	410	18,000	200	8,900	21	4.9	5.6	124	88	103	4.4
Control	USACE	1a	0.012	0.16	14	0.058	5.0	100	100	100	100	100	100	100
TX-30-05	USGS	1b	0.031	120	3,900	37	1,200	93	85	35	150	52	82	15
TXR1-03	USGS	1b	0.0062	0.016	2.6	0.049	7.9	102	122	114	131	78	101	113
TXR1-06	USGS	1b	0.0053	0.033	6.3	0.050	9.5	104	132	89	136	68	74	41
TX60-04	USGS	1b	0.015	25	1,700	12	840	93	101	77	141	88	110	77
TX40-05	USGS	1b	0.019	68	3,600	28	1,500	67	100	65	137	82	107	79
TX40-03	USGS	1b	0.015	0.99	67	0.6	41	96	82	66	149	98	108	73
TX10-01	USGS	1b	0.0027	0.091	34	0.048	18	91	100	86	144	95	110	81
TX40-02	USGS	1b	0.011	64	6,000	38	3,500	72	99	71	161	75	102	43
TX60-02	USGS	1b	0.007	6.0	870	2.4	350	102	92	92	140	77	104	85
TXR1-04	USGS	1b	0.0047	0.032	6.8	0.05	10	98	101	108	127	86	97	74
TX30-04	USGS	1b	0.021	15	720	4.9	240	100	103	89	142	98	102	82
TX20-03	USGS	1b	0.0022	0.31	140	0.27	120	101	118	94	143	66	106	55

Table 4-43. Sediment Toxicity Testing with *Chironomus dilutus*
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field ID	Lab	Cycle	OC (kg/kg)	PCB-H (mg/kg)	PCB-H/OC (mg/kg OC)	PCB-A (mg/kg)	PCB-A/OC (mg/kg OC)	Endpoints (% of each batch's control response)						
								13-Day Survival (%)	13-Day Total Ash-Free Biomass (mg)	Emergence (%)	Median Emergence Time (days)	Median Adult Survival Time (days)	Hatch (%)	Total # Young/ Female
TXR1-01	USGS	1b	0.003	0.033	11	0.05	17	102	117	117	132	82	102	108
TX40-01	USGS	1b	0.011	13	1,200	7.3	670	98	73	63	142	97	105	65
TX20-01	USGS	1b	0.0073	0.22	30	0.22	31	104	140	92	135	80	92	65
TXR1-05	USGS	1b	0.0047	0.033	7.1	0.049	10	102	122	106	116	109	100	92
Control	USGS	1b	0.011	0.053	4.9	0.063	5.8	100	100	100	100	100	100	100

--: No data available
%: percent
A: sum of Aroclors
H: sum of homologs
kg/kg: kilogram(s) organic carbon per kilogram sediment
mg: milligram(s)
mg/kg: milligram(s) per kilogram dry weight
OC: organic carbon
OU: operable unit
PCB: polychlorinated biphenyl
USACE: United States Army Corps of Engineers
USGS: United States Geological Survey

Table 4-44. Sediment Toxicity Testing with *Hyalella azteca*
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field ID	Lab	Cycle	OC (kg/kg)	PCB-H (mg/kg)	PCB-H/OC (mg/kg)	PCB-A (mg/kg)	PCB-A/OC (mg/kg)	Endpoints (% of each batch's control response)				
								42-Day Survival (%)	42-Day Total Biomass (mg)	42-Day Length (mm)	Total # Young/Female	42-Day Reproduction (young/ female)
TX40-04	USACE	1a	0.019	68	3,600	27	1,400	97	70	102	62	54
TX60-03	USACE	1a	0.013	100	7,500	60	4,500	59	67	115	8.9	14
TX30-03	USACE	1a	0.040	150	3,800	65	1,600	65	47	104	36	48
TX50-01	USACE	1a	0.028	770	28,000	320	12,000	45	44	113	1.3	1.6
TXR1-02	USACE	1a	0.0072	0.06	8.6	0.046	6.4	107	87	104	133	111
TX50-04	USACE	1a	0.025	240	9,500	86	3,400	92	86	100	29	26
TX30-02	USACE	1a	0.026	740	28,000	480	18,000	5.4	17	136	0	0
TX50-02	USACE	1a	0.026	1200	46,000	430	17,000	6.8	9.1	105	0	0
TX60-02	USACE	1a	0.011	8.8	800	3.1	280	91	81	99	67	62
TX30-01	USACE	1a	0.026	60	2,300	26	1,000	89	89	102	41	59
TX50-05	USACE	1a	0.023	410	18,000	200	8,900	38	70	110	15	47
Control	USACE	1a	0.012	0.16	14	0.058	5.0	100	100	100	100	100
TX60-03	USGS	1a	0.013	100	7,500	60	4,500	64	46	95	5.8	7.8
TX50-04	USGS	1a	0.025	240	9,500	86	3,400	92	74	97	48	37
TX50-02	USGS	1a	0.026	740	29,000	430	17,000	11	10	107	0	0
TX30-01	USGS	1a	0.026	60	2,300	26	1,000	107	70	92	74	49
TX50-05	USGS	1a	0.023	410	18,000	200	8,900	73	60	97	18	21
Control	USGS	1a	0.012	0.16	14	0.058	5.0	100	100	100	100	100
TX-30-05	USACE	1b	0.031	120	4,000	37	1,200	29	47	114	19	74
TXR1-03	USACE	1b	0.0062	0.016	2.6	0.049	7.9	96	104	101	167	191
TXR1-06	USACE	1b	0.0053	0.033	6.3	0.050	9.5	97	111	99	135	190
TX60-04	USACE	1b	0.015	25	1,700	12	840	77	70	93	15	22
TX40-05	USACE	1b	0.019	68	3,600	28	1,400	84	88	95	46	87
TX40-03	USACE	1b	0.015	0.99	67	0.60	41	77	94	102	95	126
TX10-01	USACE	1b	0.0027	0.091	34	0.048	18	79	66	95	18	20
TX40-02	USACE	1b	0.011	64	6,000	38	3,500	85	90	101	57	87

Table 4-44. Sediment Toxicity Testing with *Hyalella azteca*
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Field ID	Lab	Cycle	OC (kg/kg)	PCB-H (mg/kg)	PCB-H/OC (mg/kg)	PCB-A (mg/kg)	PCB-A/OC (mg/kg)	Endpoints (% of each batch's control response)				
								42-Day Survival (%)	42-Day Total Biomass (mg)	42-Day Length (mm)	Total # Young/Female	42-Day Reproduction (young/ female)
TXR1-04	USACE	1b	0.0047	0.032	6.8	0.048	10	84	82	96	64	137
TX30-04	USACE	1b	0.021	15	720	4.9	240	80	83	98	74	87
TX20-03	USACE	1b	0.0022	0.31	140	0.27	120	92	93	97	90	117
TXR1-01	USACE	1b	0.0030	0.033	11.0	0.050	17	85	89	101	81	137
TX40-01	USACE	1b	0.011	13	1,200	7.3	670	80	106	97	88	114
TX20-01	USACE	1b	0.0073	0.22	30	0.22	31	89	103	103	142	170
TXR1-05	USACE	1b	0.0047	0.033	7.1	0.049	10	95	107	99	110	129
Control	USACE	1b	0.011	0.053	4.9	0.063	5.8	100	100	100	100	100

%: percent
A: sum of Aroclors
H: sum of homologs
kg/kg: kilogram(s) organic carbon per kilogram sediment
mg: milligram(s)
mg/kg: milligram(s) per kilogram dry weight
mm: millimeter
OC: organic carbon
OU: operable unit
PCB: polychlorinated biphenyl
USACE: United States Army Corps of Engineers
USGS: United States Geological Survey

Table 4-45. *Lumbriculus* Tissue Uptake Summary for PCBs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

		Sediment			Tissue	
Sample Name	**Phase**	**mg Aroclor PCB/kg Sediment dw**	**mg Homolog PCB/kg Sediment dw**	**TOC (mg/kg)**	**mg Homolog PCB/kg tissue ww**	**Percent Lipid**
1	1a	27	68	19,000	110	1.7
2	1b	37	120	31,000	60	1.7
11	1b	71	170	38,000	140	1.3
13	1a	14	31	11,000	47	1.5
14	1b	28	68	19,000	120	1.5
16	1b	0.048	0.091	2,700	1.9	1.5
20	1a	3.1	8.8	11,000	23	1.6
23	1b	4.9	15	21,000	21	1.8
24	1b	0.27	0.31	2,200	8.0	1.4
25	1a	26	60	26,000	100	2.9
27	1a	7.2	14	15,000	66	2.7
28	1a	0.54	0.41	5,500	2.3	1.3
Reference	1a	0.04	0.16	12,000	0.38	1.3
Reference	1b	0.06	0.05	11,000	0.022	1.2

dw: dry weight
kg: kilogram(s)
mg: milligram(s)
mg/kg: milligram(s) per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
TOC: total organic carbon
ww: wet weight

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
Anniston Airport	C4N-EU1	ARA-12	1119965.988	646665.554	8.9	8.9
Anniston Airport	C4N-EU1	ARA-22	1119597.001	645552.219	1.6	1.6
Anniston Airport	C4N-EU1	ARA-24	1119597.001	645163.942	0.46	0.46
Anniston Airport	C4N-EU1	ARA-27	1119576.472	645015.383	1.1	1.1
Anniston Airport	C4N-EU1	ARA-28	1119562.298	644967.435	0.96	0.96
Anniston Airport	C4N-EU1	ARA-35	1119463.076	644631.793	2.5	1.7
Anniston Airport	C4N-EU1	ARA-40	1119321.014	643895.568	0.21	0.21
Anniston Airport	C4N-EU1	ARA-47	1120108.225	644516.299	0.77	0.77
Anniston Airport	C4N-EU1	ARA-53	1120160.544	647250.082	2.3	1.9
APCO FP	C5N-EU2	STR-82	1120755.264	631458.8353	0.79	0.64
APCO FP	C5N-EU2	STR-97	1114505.231	625296.807	1.3	1.3
APCO FP	C5N-EU2	STR-98	1114086.826	624867.9481	0.92	0.92
APCO FP	C5S-EU1	92 Loop In	1115246.613	619280.4366	0.14	0.14
APCO FP	C5S-EU1	STR-83	1120259.796	631008.3236	2.7	1.8
APCO FP	C5S-EU1	STR-90	1117454.963	628339.7598	0.072	0.072
APCO FP	C5S-EU1	STR-99	1113758.494	624509.0772	1	1
Borrelli	C1-EU2	BP-1	1130404.432	658640.594	71	71
Borrelli	C1-EU2	BP-2	1130344.18	658629.5077	30	30
Borrelli	C1-EU2	BP-7	1130376.071	658635.6514	0.12	0.12
Borrelli	C1-EU2	BP-8	1130401.998	658503.589	3.1	3.1
Borrelli	C1-EU2	BP-9	1130427.138	658374.6141	11	11
Borrelli	C1-EU2	NHA-1	1130178.219	658585.2198	190	20
Borrelli	C1-EU2	NHA-2	1130279.329	658595.5352	230	77
Borrelli	C1-EU2	NHA-5	1130434.917	658648.6103	230	210
Colonial Pipeline	C3S-EU2	242-1	1122222.174	653318.207	1.2	0.6
Colonial Pipeline	C4N-EU2	236-3	1120974.141	642196.357	0.085	0.085
Colonial Pipeline	C4S-EU1	239-2	1120416.905	649460.3434	5	5
Colonial Pipeline	C4S-EU1	239-3	1120402.732	649508.2925	16	11
Colonial Pipeline	C4S-EU1	239-4	1120388.559	649556.2417	13	13
Colonial Pipeline	C4S-EU1	239-5	1120373.041	649608.7394	6.5	6.5
Colonial Pipeline	C4S-EU1	239-6	1120370.207	649618.3292	18	18
Colonial Pipeline	C4S-EU1	240-1	1120314.78	649791.5323	6.3	5.3
Colonial Pipeline	C4S-EU1	240-3	1120349.053	649840.78	2.5	2.5
Colonial Pipeline	C4S-EU1	240-4	1120377.614	649881.8197	0.087	0.07
Highway 21	C3N-EU2	FP-3-d	1122376.084	652030.5705	0.25	0.25
Highway 21	C3N-EU2	FP-3-e	1122414.318	652039.4972	23	23
Highway 21	C3N-EU2	FP-3-f	1122453.665	652048.6835	0.09	0.09
Highway 21	C3N-EU2	FP-3-g	1122492.778	652057.8155	0	0
Highway 21	C3S-EU2	FP-2-d	1122312.554	652015.738	0	0
Highway 21	C3S-EU2	FP-2-e	1122274.084	652006.7563	10	10
Highway 21	C3S-EU2	FP-2-f	1122234.736	651997.5696	8.3	8.3
Highway 21	C3S-EU2	FP-2-g	1122195.448	651988.3968	12	12
Highway 21	C3S-EU2	RP-2-dx	1122292.822	652011.131	9.2	9.2
Highway 21	C4N-EU1	FP-1-d	1122081.323	651439.8717	18	18
Highway 21	C4N-EU1	FP-1-e	1122042.82	651430.7713	15	15
Highway 21	C4N-EU1	FP-4-d	1122199.874	651467.8919	26	26
Highway 21	C4N-EU1	FP-4-e	1122238.728	651477.0752	2.1	2.1
Highway 21	C4N-EU1	FP-4-f	1122315.325	651495.1791	0.07	0.07
Highway 21	C4N-EU1	FP-4-g	1122353.886	651504.2932	1.2	1.2
Highway 21	C4N-EU1	RP-4-ex	1122277.408	651486.2172	3.1	3.1
Highway 21	C4S-EU1	FP-1-f	1122003.908	651421.5743	4.6	4.6
Highway 21	C4S-EU1	FP-1-g	1121964.409	651412.2387	4	4

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
I-20 Industrial Park	C4N-EU1	Ind-CC-11	1120372.4	643535.4	0.1	0.1
I-20 Industrial Park	C4N-EU1	Ind-CC-12	1120251.2	643357.7	0.1	0.1
I-20 Industrial Park	C4N-EU1	Ind-CC-15	1120847.4	643865.5	0.081	0.081
I-20 Industrial Park	C4N-EU1	Ind-CC-16	1120746.3	643696.3	0.84	0.84
I-20 Industrial Park	C4N-EU1	Ind-CC-20	1121089.9	643874.1	0.096	0.096
I-20 Industrial Park	C4N-EU1	Ind-CC-21	1121009.1	643713.3	0.1	0.1
I-20 Industrial Park	C4N-EU1	Ind-CC-28	1120827.1	644051.7	5	5
I-20 Industrial Park	C4N-EU1	Ind-CC-4	1120705.8	643941.6	0.092	0.092
I-20 Industrial Park	C4N-EU1	Ind-CC-8	1120705.8	644000.9	4.8	4.8
I-20 Industrial Park	C4N-EU1	Ind-CC-9	1120614.9	643848.5	0.097	0.097
I-20 Industrial Park	C4N-EU2	Ind-CC-10	1120463.3	643662.4	0.1	0.1
I-20 Industrial Park	C4N-EU2	Ind-CC-13	1120160.3	643163.1	0.28	0.28
I-20 Industrial Park	C4N-EU2	Ind-CC-14	1120039.1	643002.3	0.17	0.17
I-20 Industrial Park	C4N-EU2	Ind-CC-17	1120615	643560.9	0.046	0.046
I-20 Industrial Park	C4N-EU2	Ind-CC-18	1120544.3	643400.1	0.088	0.088
I-20 Industrial Park	C4N-EU2	Ind-CC-19	1120402.9	643222.4	0.096	0.096
I-20 Industrial Park	C4N-EU2	Ind-CC-2	1120695.9	643569.4	0.096	0.096
I-20 Industrial Park	C4N-EU2	Ind-CC-22	1120877.8	643552.5	0.1	0.1
I-20 Industrial Park	C4N-EU2	Ind-CC-27	1120524.3	642892.5	1.7	1.7
I-20 Industrial Park	C4N-EU2	Ind-CC-5	1120513.9	643527	1.7	1.7
I-20 Industrial Park	C4N-EU2	Ind-CC-6	1120342.1	643459.3	0.094	0.094
Oxford Lake Park	C1-EU1	OLGP-001	1130787.54	659505.96	1.6	1.6
Oxford Lake Park	C1-EU1	OLGP-002	1130690.4	659490.33	13	13
Oxford Lake Park	C1-EU1	OLGP-003	1130594.19	659473.83	7.2	7.2
Oxford Lake Park	C1-EU1	OLGP-023	1130209.82	659008.36	7.6	7.6
Oxford Lake Park	C1-EU1	OLGP-024	1130207.36	659111.59	24	2.4
Oxford Lake Park	C1-EU1	OLGP-026	1130156.63	659108.3	4.7	4.7
Oxford Lake Park	C1-EU1	OLGP-027	1130105.16	658999.99	65	7
Oxford Lake Park	C1-EU1	OLGP-046	1130772.65	659582.38	1.4	1.4
Oxford Lake Park	C1-EU1	OLGP-047	1130674.4	659567.13	35	35
Oxford Lake Park	C1-EU1	OLGP-048	1130579.88	659544.4	55	55
Oxford Lake Park	C1-EU1	OLGP-049	1130511.08	659523.31	31	8.6
Oxford Lake Park	C1-EU1	OLGP-057	1129816.83	659279.68	35	0.2
Oxford Lake Park	C1-EU1	OLGP-058	1129817.82	659175.37	9	5.3
Oxford Lake Park	C1-EU1	OLGP-061	1129819.66	658871.18	290	4.4
Oxford Lake Park	C1-EU1	OLGP-062	1129810.42	658768.46	220	12
Oxford Lake Park	C1-EU1	OLGP-063	1129815.88	658667.39	72	8.2
Oxford Lake Park	C1-EU1	OLGP-064	1129915.13	658684.24	56	8.1
Oxford Lake Park	C1-EU1	OLGP-065	1129918.34	658783	350	9.3
Oxford Lake Park	C1-EU1	OLGP-066	1129917.34	658877.83	140	18
Oxford Lake Park	C1-EU1	OLGP-069	1129915.49	659183.93	3.9	3.9
Oxford Lake Park	C1-EU1	OLGP-074	1130015.35	659194.17	4.9	4.9
Oxford Lake Park	C1-EU1	OLGP-077	1130020.3	658895.5	85	7
Oxford Lake Park	C1-EU1	OLGP-078	1130020.62	658792.4	32	4.8
Oxford Lake Park	C1-EU1	OLGP-079	1130024.14	658692.88	24	2.1
Oxford Lake Park	C1-EU1	OLGP-080	1130116.57	659207.39	3.6	3.6
Oxford Lake Park	C1-EU1	OLGP-083	1130214.81	659404.52	9.8	4
Oxford Lake Park	C1-EU1	OLGP-084	1130212.28	659306.08	19	14
Oxford Lake Park	C1-EU1	OLGP-121	1130295.03	659801.46	0.075	0.075
Oxford Lake Park	C1-EU1	OLGP-141	1130278.79	660088.44	0.2	0.057
Oxford Lake Park	C1-EU1	OLGP-143	1130206.37	659945.44	0.037	0.037
Oxford Lake Park	C1-EU1	OLGP-144	1130285.06	660008.67	7.2	0.074

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
Oxford Lake Park	C1-EU1	OLGP-145	1130351.35	660083.81	0.22	0.22
Oxford Lake Park	C1-EU1	OLGP-146	1130424.72	660014.51	0.1	0.1
Oxford Lake Park	C1-EU1	OLGP-147	1130356.08	659941.75	5.6	0.19
Oxford Lake Park	C1-EU1	OLGP-148	1130286.5	659870.93	0.08	0.08
Oxford Lake Park	C1-EU1	OLGP-149	1130360.38	659804.33	0.078	0.078
Oxford Lake Park	C1-EU1	OLGP-150	1130429.67	659874.75	0.84	0.84
Oxford Lake Park	C1-EU1	OLHA-001	1129976.08	658693.51	38	9.2
Oxford Lake Park	C1-EU1	OLHA-002	1129856.12	658678.94	110	8.7
Oxford Lake Park	C1-EU1	OLHA-003	1129966.08	658832.25	34	16
Oxford Lake Park	C1-EU1	OLHA-004	1129865.88	658837.68	220	18
Oxford Lake Park	C1-EU1	OLHA-010	1129796.71	659210.57	8.7	8.7
Oxford Lake Park	C1-EU1	OLHA-012	1129925.78	659654.07	0.074	0.074
Oxford Lake Park	C1-EU1	OLHA-016	1130359.2	660023.255	0.25	0.25
Oxford Lake Park	C1-EU1	OLHA-019	1130307.539	660269.8234	12	12
Oxford Lake Park	C1-EU1	OLHA-020	1130171.58	660673.06	0.078	0.078
Oxford Lake Park	C1-EU1	OLHA-021	1130031.06	660668.38	0.077	0.077
Oxford Lake Park	C1-EU1	OLHA-022	1130323.82	660675.41	0.093	0.093
Oxford Lake Park	C1-EU1	OLHA-023	1130180.95	660448.23	0.076	0.074
Oxford Lake Park	C1-EU1	OLHA-024	1130082.58	660502.09	0.075	0.075
Oxford Lake Park	C1-EU1	OLHA-025	1130328.5	660436.52	0.077	0.077
Oxford Lake Park	C1-EU1	OLHA-026	1130169.24	660822.96	0.086	0.076
Oxford Lake Park	C1-EU1	OLHA-027	1130066.19	660799.54	0.079	0.079
Oxford Lake Park	C1-EU1	OLHA-028	1130326.16	660818.27	0.083	0.083
Oxford Lake Park	C1-EU1	OLHA-031	1129895.45	659754.4	0.35	0.35
Oxford Lake Park	C1-EU1	OLHA-068	1130330.71	659769.71	0.04	0.04
Oxford Lake Park	C1-EU1	OLHA-069	1130248.72	659816.45	3.1	3.1
Oxford Lake Park	C1-EU1	OLHA-070	1130224.19	659840.16	1	1
Oxford Lake Park	C1-EU1	OLHA-071	1130246.86	659860.59	0.9	0.9
Oxford Lake Park	C1-EU1	OLHA-072	1130270.66	659836.81	0.35	0.35
Oxford Lake Park	C1-EU1	OLHA-091	1130312.84	660125.25	0.071	0.071
Oxford Lake Park	C1-EU1	OLHA-092	1130222.49	660070.1	0.63	0.63
Oxford Lake Park	C1-EU1	OLHA-093	1130240.4	660094.37	0.98	0.98
Oxford Lake Park	C1-EU1	OLHA-103	1130254.04	659992.69	0.072	0.072
Oxford Lake Park	C1-EU1	OLHA-104	1130295.9	659952.34	0.073	0.073
Oxford Lake Park	C1-EU1	OLHA-105	1130257.2	659902.44	0.073	0.073
Oxford Lake Park	C1-EU1	OLHA-106	1130256.17	659949.13	0.07	0.07
Oxford Lake Park	C1-EU1	OLHA-137	1129808.09	659974.03	3	3
Oxford Lake Park	C1-EU2	OLGP-009	1130517.63	658930.73	13	12
Oxford Lake Park	C1-EU2	OLGP-010	1130520.11	658830.68	130	7.8
Oxford Lake Park	C1-EU2	OLGP-011	1130525.25	658782.41	45	5.6
Oxford Lake Park	C1-EU2	OLGP-020	1130315.37	658915.27	49	13
Oxford Lake Park	C1-EU2	OLGP-021	1130330.27	658816.86	100	27
Oxford Lake Park	C1-EU2	OLGP-022	1130342.55	658736.35	21	7.4
Oxford Lake Park	C1-EU2	OLGP-028	1130115.86	658899.17	37	13
Oxford Lake Park	C1-EU2	OLGP-029	1130126.99	658799.07	150	14
Oxford Lake Park	C1-EU2	OLGP-030	1130140.24	658709.5	32	6.9
Oxford Lake Park	C1-EU2	OLGP-031	1130238.82	658719.62	84	7
Oxford Lake Park	C1-EU2	OLGP-032	1130434.92	658757.51	47	5.1
Oxford Lake Park	C1-EU2	OLGP-033	1130618.01	658819.84	90	6.1
Oxford Lake Park	C1-EU2	OLGP-034	1130718.58	658837.35	210	29
Oxford Lake Park	C1-EU2	OLGP-035	1130816.73	658859.05	170	11
Oxford Lake Park	C1-EU2	OLGP-036	1130912.6	658855.16	150	59

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
Oxford Lake Park	C1-EU2	OLGP-037	1131011.85	658850.7	100	31
Oxford Lake Park	C1-EU2	OLGP-038	1131112.72	658851.3	89	38
Oxford Lake Park	C1-EU2	OLGP-039	1131173.19	658955.02	96	45
Oxford Lake Park	C1-EU2	OLGP-040	1131115.06	659012.92	41	35
Oxford Lake Park	C1-EU2	OLGP-041	1131008.65	659019.63	30	30
Oxford Lake Park	C1-EU2	OLGP-042	1130910.73	659026.31	67	34
Oxford Lake Park	C1-EU2	OLGP-043	1130813.75	659019.69	37	22
Oxford Lake Park	C1-EU2	OLGP-044	1130709.8	659016.47	18	16
Oxford Lake Park	C1-EU2	OLGP-045	1130608.67	659011.94	110	16
Phase 2 Eco Soil	C2N-EU2	EUT-01-09	1128553.1	659805.6954	0.043	0.043
Phase 2 Eco Soil	C2N-EU2	EUT-01-10	1128420.565	659797.804	0.044	0.044
Phase 2 Eco Soil	C2N-EU2	EUT-02-11	1128369.233	659411.296	0.044	0.044
Phase 2 Eco Soil	C2N-EU2	EUT-02-12	1128494.269	659420.7892	0.041	0.041
Phase 2 Eco Soil	C2N-EU2	EUT-03-13	1127904.263	659275.9857	0.044	0.044
Phase 2 Eco Soil	C2N-EU2	EUT-03-14	1127949.601	659343.8277	0.046	0.046
Phase 2 Eco Soil	C3N-EU1	EUT-04-07	1125759.361	657315.9973	3.4	3.4
Phase 2 Eco Soil	C3N-EU1	EUT-04-08	1125797.716	657333.4221	2.6	2.6
Phase 2 Eco Soil	C3N-EU1	EUT-05-05	1123875.208	655571.4555	9.7	9.7
Phase 2 Eco Soil	C3N-EU1	EUT-05-06	1123804.293	655511.9889	5.6	5.6
Phase 2 Eco Soil	C3N-EU1	EUT-06-03	1123022.795	653485.7218	7.9	7.9
Phase 2 Eco Soil	C3N-EU1	EUT-06-04	1123028.436	653583.5601	6.6	6.6
Phase 2 Eco Soil	C3N-EU2	EUT-07-01	1123480.861	653239.8875	3.9	3.9
Phase 2 Eco Soil	C3N-EU2	EUT-07-02	1123484.656	653190.2417	2.1	2.1
Phase 2 Eco Soil	C4S-EU1	EUT-08-49	1121860.878	650155.9751	6.2	6.2
Phase 2 Eco Soil	C4S-EU1	EUT-08-50	1121907.61	650110.9722	25	25
Phase 2 Eco Soil	C4S-EU1	EUT-09-51	1120111.408	648497.1604	2.7	2.7
Phase 2 Eco Soil	C4S-EU1	EUT-09-51b	1120148.629	648488.363	1.4	1.4
Phase 2 Eco Soil	C5N-EU2	EMT-01-25	1114030.126	623789.9582	0.038	0.038
Phase 2 Eco Soil	C5N-EU2	EMT-01-26	1113957.628	623769.7298	0.037	0.037
Phase 2 Eco Soil	C5N-EU2	EMT-02-17	1116077.626	621160.9444	0.41	0.35
Phase 2 Eco Soil	C5N-EU2	EMT-02-18	1116153.364	621127.3991	0.37	0.37
Phase 2 Eco Soil	C5N-EU2	EMT-03-15	1115774.95	622428.1276	0.036	0.036
Phase 2 Eco Soil	C5N-EU2	EMT-03-16	1115822.635	622355.6579	0.037	0.037
Phase 2 Eco Soil	C5N-EU2	EMT-04-19	1116485.052	623102.2279	0.33	0.33
Phase 2 Eco Soil	C5N-EU2	EMT-04-20	1116594.414	623099.0798	0.19	0.19
Phase 2 Eco Soil	C5N-EU2	EMT-05-21	1116694.942	622501.6414	5.9	5.9
Phase 2 Eco Soil	C5N-EU2	EMT-05-22	1116751.044	622470.6372	5.6	5.6
Phase 2 Eco Soil	C5N-EU2	EMT-06-23	1117136.725	622528.9092	0.075	0.075
Phase 2 Eco Soil	C5N-EU2	EMT-06-24	1117216.354	622498.0558	0.042	0.042
Phase 2 Eco Soil	C5S-EU1	EMT-07-27	1116902.437	621297.9595	0.23	0.23
Phase 2 Eco Soil	C5S-EU1	EMT-07-28	1116930.736	621228.2801	1.4	1.4
Phase 2 Eco Soil	C5S-EU1	EMT-08-29	1115762.157	619658.768	1.3	1.3
Phase 2 Eco Soil	C5S-EU1	EMT-08-30	1115756.994	619703.4425	1.6	1.6
Phase 2 Eco Soil	C5S-EU1	EMT-09-31	1114367.774	617418.7632	0.36	0.36
Phase 2 Eco Soil	C5S-EU1	EMT-09-32	1114341.759	617360.084	0.19	0.19
Phase 2 Eco Soil	C7N-EU1	ELT-02-38	1109737.275	604777.8806	0.04	0.04
Phase 2 Eco Soil	C7N-EU1	ELT-08-33	1111227.615	601254.7514	0.059	0.059
Phase 2 Eco Soil	C7N-EU1	ELT-08-34	1111186.84	601238.4801	0.082	0.082
Phase 2 Eco Soil	C7N-EU1	ELT-09-35	1110906.05	598821.342	0.11	0.11
Phase 2 Eco Soil	C7N-EU1	ELT-09-36	1110949.115	598782.2378	0.14	0.14
Phase 2 Eco Soil	C7S-EU1	ELT-01-39	1109306.01	605204.5162	0.043	0.04
Phase 2 Eco Soil	C7S-EU1	ELT-01-40	1109298.191	605268.2528	0.037	0.037

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
Phase 2 Eco Soil	C7S-EU1	ELT-02-37	1109568.135	604478.0846	0.039	0.039
Phase 2 Eco Soil	C7S-EU1	ELT-03-41	1112093.434	601863.0077	0.041	0.041
Phase 2 Eco Soil	C7S-EU1	ELT-03-42	1112049.02	601898.9989	0.04	0.04
Phase 2 Eco Soil	C7S-EU1	ELT-04-43	1112300.782	601665.2614	0.038	0.038
Phase 2 Eco Soil	C7S-EU1	ELT-04-44	1112285.528	601741.3158	0.041	0.041
Phase 2 Eco Soil	C7S-EU1	ELT-05-45	1113258.904	601237.1329	2	2
Phase 2 Eco Soil	C7S-EU1	ELT-05-46	1113222.065	601290.702	5	5
Phase 2 Eco Soil	C7S-EU1	ELT-06-47	1113230.036	600900.3167	2.7	2.7
Phase 2 Eco Soil	C7S-EU1	ELT-06-48	1113201.121	600831.7198	2.6	2.6
Phase 2 Eco Soil	C7S-EU1	ELT-07-54	1112006.576	601290.7662	9.2	9.2
Phase 2 Eco Soil	C7S-EU1	ELT-07-55	1112045.959	601260.4699	5.3	5.3
Phase 3 Soil	C3N-EU1	C3NX-09	1124327.1	653889.9	7.3	4.9
Phase 3 Soil	C3N-EU1	C3NX-10	1124373.7	654400.1	17	14
Phase 3 Soil	C3N-EU1	C3NX-11	1123824.5	654439.2	2	1.7
Phase 3 Soil	C3N-EU1	C3NX-12	1124913.1	654932.2	5	4.1
Phase 3 Soil	C3N-EU1	C3NX-13	1125478.5	654922.5	0.039	0.039
Phase 3 Soil	C3N-EU1	C3NX-14	1125084.8	655481.8	0.55	0.39
Phase 3 Soil	C3N-EU1	C3NX-15	1125489.1	655322.8	0.76	0.44
Phase 3 Soil	C3N-EU1	C3NX-16	1125489.5	656054.4	8.6	8
Phase 3 Soil	C3N-EU1	C3NX-17	1126439.7	656482.9	62	53
Phase 3 Soil	C3N-EU1	C3NX-18	1126005.4	656230.8	2.1	1.8
Phase 3 Soil	C3N-EU1	C3NX-19	1126856.9	656475.7	9.5	8
Phase 3 Soil	C3N-EU1	C3NX-20	1126705.9	656815.1	93	67
Phase 3 Soil	C3N-EU1	C3NX-21	1126971.5	655943	3.7	2.5
Phase 3 Soil	C3N-EU1	C3NX-22	1126429.4	655650	3.2	2.4
Phase 3 Soil	C3N-EU1	C3NX-23	1124773.8	654294.3	9.4	6.4
Phase 3 Soil	C3N-EU1	C3NX-24	1124589.7	653793.2	3.7	1.9
Phase 3 Soil	C3N-EU1	C3NX-28	1125112.3	654345.3	1.7	1
Phase 3 Soil	C3N-EU1	C3NX-29	1125131	653579.8	3.4	2.1
Phase 3 Soil	C3N-EU1	C3NX-30	1127062.8	655650.8	0.18	0.11
Phase 3 Soil	C3N-EU1	C3NX-31	1126510.5	655144.4	0.1	0.072
Phase 3 Soil	C3N-EU1	C3NX-32	1125589.9	654138.1	0.1	0.07
Phase 3 Soil	C3N-EU2	C3NX-07	1123456.8	652448	0.08	0.061
Phase 3 Soil	C3N-EU2	C3NX-08	1123824.4	653258.3	5	2.5
Phase 3 Soil	C3N-EU2	C3NX-25	1124103.8	653024.2	0.047	0.042
Phase 3 Soil	C3S-EU2	C3SX-01	1121449.3	651849.2	27	17
Phase 3 Soil	C3S-EU2	C3SX-02	1121514.1	652219.5	5.4	3.3
Phase 3 Soil	C3S-EU2	C3SX-03	1121760.2	652828.8	15	12
Phase 3 Soil	C3S-EU2	C3SX-04	1121888	653195.6	39	28
Phase 3 Soil	C3S-EU2	C3SX-05	1121620.3	653212.6	25	13
Phase 3 Soil	C3S-EU2	C3SX-06	1121268.6	652900.8	1.5	1.2
Phase 3 Soil	C3S-EU2	C3SX-07	1121018.1	652198.4	1.9	1.1
Phase 3 Soil	C3S-EU2	C3SX-08	1121156.1	651868.6	18	11
Phase 3 Soil	C3S-EU2	C3SX-09	1120886.6	651828.1	9.9	6.5
Phase 3 Soil	C3S-EU2	C3SX-10	1120499.6	651752	0.039	0.039
Phase 3 Soil	C3S-EU2	C3SX-11	1120536.4	652206.3	0.037	0.037
Phase 3 Soil	C3S-EU2	C3SX-12	1120917.5	652749	1.1	0.57
Phase 3 Soil	C3S-EU2	C3SX-13	1121363.6	653367	1.9	1.6
Phase 3 Soil	C4N-EU1	C3NX-01	1121499.8	648859.8	3.7	2
Phase 3 Soil	C4N-EU1	C3NX-02	1122333.4	649671.6	7.4	4.5
Phase 3 Soil	C4N-EU1	C3NX-03	1122335.6	650783.1	0.19	0.16
Phase 3 Soil	C4N-EU1	C3NX-04	1122673.6	651327.6	1.6	0.81

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
Phase 3 Soil	C4N-EU1	C3NX-05	1122755.8	651517.5	0.04	0.04
Phase 3 Soil	C4N-EU1	C3NX-06	1122713.8	650170.6	0.13	0.085
Phase 3 Soil	C4N-EU1	C3NX-26	1122527.5	649298.3	0.75	0.64
Phase 3 Soil	C4N-EU1	C3NX-27	1121607.2	648760	20	11
Phase 3 Soil	C4N-EU1	C3NX-33	1121769.8	648480.9	2.4	1.3
Phase 3 Soil	C4N-EU2	C4NX-01	1119505.9	639437.6	0.037	0.037
Phase 3 Soil	C4N-EU2	C4NX-02	1119272.2	639915.7	0.042	0.04
Phase 3 Soil	C4S-EU1	C3SX-14	1120827.6	651250	0.53	0.28
Phase 3 Soil	C4S-EU1	C4SX-01	1119532.1	648404.9	1	0.53
Phase 3 Soil	C4S-EU1	C4SX-02	1119355.5	647909.2	14	8.6
Phase 3 Soil	C4S-EU1	C4SX-03	1118865.8	647260.1	16	13
Phase 3 Soil	C4S-EU1	C4SX-04	1119243.3	648499.9	0.29	0.17
Phase 3 Soil	C4S-EU1	C4SX-05	1119140.4	647922.6	0.38	0.21
Phase 3 Soil	C4S-EU1	C4SX-06	1118699.5	647387	0.04	0.04
Phase 3 Soil	C8N-EU1	C8NX-01	1108350.5	584276.3	0.037	0.037
Phase 3 Soil	C8N-EU1	C8NX-02	1106249.5	585229.4	0.039	0.039
Phase 3 Soil	C8N-EU1	C8NX-03	1107214.6	585131.5	0.037	0.037
Phase 3 Soil	C8N-EU1	C8NX-04	1108252.9	585119.3	0.04	0.039
RFI Soil	C2N-EU1	C-FP01-N1	1128834.418	659509.5422	0.18	0.14
RFI Soil	C2N-EU1	C-FP01-N2	1129016.049	659292.17	1.3	0.71
RFI Soil	C2N-EU2	C-FP01-C1	1128780.126	659691.6975	0.087	0.086
RFI Soil	C2N-EU2	C-FP01-C2	1128598.727	659818.821	0.087	0.086
RFI Soil	C2N-EU2	C-FP01-C3	1128441.826	659976.3169	0.09	0.088
RFI Soil	C2N-EU2	C-FP01-C4	1128300.078	660144.497	0.081	0.08
RFI Soil	C2N-EU2	C-FP01-C5	1128128.796	660342.6714	0.087	0.086
RFI Soil	C2N-EU2	C-FP01-C6	1127957.509	660540.8945	0.086	0.085
RFI Soil	C2N-EU2	C-FP01-C7	1127786.218	660739.2267	0.085	0.084
RFI Soil	C2N-EU2	C-FP01-C8	1127622.592	660949.2056	0.082	0.082
RFI Soil	C2N-EU2	C-FP01-C9	1127441.868	661137.6357	0.084	0.083
RFI Soil	C2S-EU1	C-FP01-S1	1127365.918	661221.2309	0.085	0.084
RFI Soil	C2S-EU1	C-FP01-S2	1127216.092	661406.986	0.087	0.084
RFI Soil	C2S-EU1	C-FP01-S3	1127030.404	661637.997	0.082	0.081
RFI Soil	C2S-EU1	C-FP01-S4	1126897.489	661757.3647	0.077	0.077
RFI Soil	C2S-EU1	C-FP01-S5	1126747.911	661963.2502	0.077	0.077
RFI Soil	C2S-EU1	C-FP01-S6	1126592.021	662147.2026	0.073	0.072
RFI Soil	C3N-EU1	C-FP02-N1	1125647.334	657258.0459	8.1	4.1
RFI Soil	C3N-EU1	C-FP02-N2	1125822.133	657085.083	14	14
RFI Soil	C3N-EU1	C-FP02-N3	1125997.165	656911.8635	48	38
RFI Soil	C3N-EU1	C-FP02-N4	1126171.898	656738.9733	32	25
RFI Soil	C3S-EU1	C-FP02-S1	1124874.109	656628.7169	79	44
RFI Soil	C3S-EU1	C-FP02-S2	1124726.109	656848.0079	0.083	0.083
RFI Soil	C3S-EU1	C-FP02-S3	1124563.264	657010.8174	0.084	0.084
RFI Soil	C3S-EU1	C-FP02-S4	1124400.868	657173.6	0.08	0.079
RFI Soil	C4N-EU1	C-FP04-N1	1119143.884	644818.1209	3.5	2.9
RFI Soil	C4N-EU1	C-FP04-N2	1119477.113	644817.9374	0.8	0.51
RFI Soil	C4N-EU1	C-FP04-N3	1119810.228	644817.9272	1.2	0.68
RFI Soil	C4N-EU1	C-FP04-N4	1120142.703	644817.9694	0.14	0.12
RFI Soil	C4N-EU1	C-FP04-N5	1120475.927	644818.1173	0.52	0.44
RFI Soil	C4N-EU1	C-FP04-N6	1120808.829	644817.749	0.43	0.26
RFI Soil	C4N-EU1	C-FP04-N7	1121108.011	644820.5292	0.093	0.092
RFI Soil	C4N-EU1	C-FP04-N8	1121443.825	644817.8414	0.086	0.076
RFI Soil	C4N-EU2	C-FP05-N1	1121763.573	634823.8169	14	8.5

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RFI Soil	C4N-EU2	C-FP05-N2	1122018.849	634825.2441	0.82	0.44
RFI Soil	C4N-EU2	C-FP05-N3	1122272.495	634825.3674	0.083	0.082
RFI Soil	C4S-EU1	C-FP03-S1	1119540.594	647665.486	21	12
RFI Soil	C4S-EU1	C-FP03-S10	1120655.979	649051.0764	51	30
RFI Soil	C4S-EU1	C-FP03-S11	1120686.922	649242.6072	9.7	4.5
RFI Soil	C4S-EU1	C-FP03-S12	1120713.6	649408.98	7	5.3
RFI Soil	C4S-EU1	C-FP03-S13	1120726.073	649586.74	7.5	4.4
RFI Soil	C4S-EU1	C-FP03-S14	1120699.567	649680.1489	1.8	1.8
RFI Soil	C4S-EU1	C-FP03-S15	1120770.102	649935.8305	11	7.6
RFI Soil	C4S-EU1	C-FP03-S2	1119728.462	647898.8687	2.6	2.4
RFI Soil	C4S-EU1	C-FP03-S3	1119854.932	648055.61	4.8	2.3
RFI Soil	C4S-EU1	C-FP03-S4	1119979.648	648212.245	5.2	3
RFI Soil	C4S-EU1	C-FP03-S5	1120079.498	648335.6674	3.8	1.9
RFI Soil	C4S-EU1	C-FP03-S6	1120194.378	648479.7458	7.5	6.6
RFI Soil	C4S-EU1	C-FP03-S7	1120295.109	648586.0415	35	20
RFI Soil	C4S-EU1	C-FP03-S8	1120447.703	648797.0596	4.7	3
RFI Soil	C4S-EU1	C-FP03-S9	1120517.008	648876.0773	56	38
RFI Soil	C4S-EU2	C-FP04-S1	1118984.062	644818.0012	21	13
RFI Soil	C4S-EU2	C-FP04-S2	1118690.006	644817.8109	0.085	0.083
RFI Soil	C4S-EU2	C-FP04-S3	1118396.114	644817.8084	0.085	0.085
RFI Soil	C4S-EU2	C-FP04-S4	1118102.989	644818.0385	0.086	0.085
RFI Soil	C4S-EU3	C-FP05-S1	1121609.124	634823.0797	97	5.2
RFI Soil	C4S-EU3	C-FP05-S10	1119106.999	634814.7665	0.37	0.23
RFI Soil	C4S-EU3	C-FP05-S11	1118828.679	634813.8062	0.15	0.12
RFI Soil	C4S-EU3	C-FP05-S12	1118551.021	634812.8166	0.086	0.083
RFI Soil	C4S-EU3	C-FP05-S13	1118269.911	634811.9177	0.074	0.072
RFI Soil	C4S-EU3	C-FP05-S2	1121331.44	634821.7542	1.4	0.75
RFI Soil	C4S-EU3	C-FP05-S3	1121053.014	634821.1826	6	3.1
RFI Soil	C4S-EU3	C-FP05-S4	1120774.971	634820.1076	5.1	2.7
RFI Soil	C4S-EU3	C-FP05-S5	1120496.809	634819.1121	1.6	1.5
RFI Soil	C4S-EU3	C-FP05-S6	1120218.947	634818.2693	0.68	0.43
RFI Soil	C4S-EU3	C-FP05-S7	1119940.995	634817.3096	1.3	0.68
RFI Soil	C4S-EU3	C-FP05-S8	1119662.315	634816.5924	6.2	5.9
RFI Soil	C4S-EU3	C-FP05-S9	1119384.963	634815.7219	0.58	0.33
RFI Soil	C5N-EU2	C-FP06-N1	1120302.44	630752.1671	1.2	0.65
RFI Soil	C5N-EU2	C-FP06-N2	1120555.492	630554.5917	0.074	0.074
RFI Soil	C5N-EU2	C-FP06-N3	1120809.152	630356.7882	0.078	0.078
RFI Soil	C5N-EU2	C-FP06-N4	1121062.554	630158.9784	0.076	0.075
RFI Soil	C5N-EU2	C-FP06-N5	1121316.073	629961.5603	0.084	0.082
RFI Soil	C5N-EU2	C-FP06-N6	1121578.517	629772.7672	0.08	0.079
RFI Soil	C5N-EU2	C-FP06-N7	1121822.914	629565.1813	0.081	0.081
RFI Soil	C5N-EU2	C-FP07-N1	1116548.707	622592.856	3.9	2
RFI Soil	C5N-EU2	C-FP07-N2	1116537.901	622831.7033	0.074	0.074
RFI Soil	C5N-EU2	C-FP07-N3	1116538.045	623115.9858	0.086	0.084
RFI Soil	C5N-EU2	C-FP07-N4	1116537.711	623399.8904	0.081	0.078
RFI Soil	C5N-EU2	C-FP07-N5	1116538.042	623684.3708	0.078	0.077
RFI Soil	C5N-EU2	C-FP07-N6	1116537.982	623968.2738	0.077	0.077
RFI Soil	C5N-EU2	C-FP07-N7	1116538.015	624253.6685	0.076	0.076
RFI Soil	C5N-EU2	C-FP11-01	1114610.344	617606.3419	8.5	2.3
RFI Soil	C5N-EU2	C-FP11-02	1114782.165	617608.078	0.076	0.073
RFI Soil	C5N-EU2	C-FP11-03	1115075.54	617606.6219	0.086	0.084
RFI Soil	C5N-EU2	C-FP11-04	1115388.7	617614.2665	0.42	0.25

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RFI Soil	C5N-EU2	C-FP11-05	1115695.147	617617.4587	0.086	0.085
RFI Soil	C5N-EU2	C-FP11-06	1115891.058	617616.2213	0.085	0.084
RFI Soil	C5S-EU1	C-FP06-S1	1120190.672	630835.4145	33	20
RFI Soil	C5S-EU1	C-FP06-S2	1120008.966	630980.5766	1	0.56
RFI Soil	C5S-EU1	C-FP06-S3	1119831.409	631122.2222	1.1	0.59
RFI Soil	C5S-EU1	C-FP07-S1	1115564.145	619318.6524	1.8	0.97
RFI Soil	C5S-EU1	C-FP07-S2	1115330.711	619382.9815	0.078	0.061
RFI Soil	C5S-EU1	C-FP07-S3	1115082.354	619452.6427	0.078	0.078
RFI Soil	C5S-EU1	C-FP07-S4	1114870.733	619527.7931	1.3	0.71
RFI Soil	C5S-EU1	C-FP07-S5	1114662.956	619652.8357	0.082	0.078
RFI Soil	C6N-EU1	C-FP08-N1	1113149.79	614609.6872	2.4	1.8
RFI Soil	C6N-EU1	C-FP08-N2	1113204.186	614612.7369	0.078	0.077
RFI Soil	C6N-EU1	C-FP08-N3	1113259.856	614615.6957	0.074	0.074
RFI Soil	C6S-EU1	C-FP08-S1	1112988.399	614600.6569	5	1.9
RFI Soil	C6S-EU1	C-FP08-S2	1112909.537	614593.3338	0.24	0.16
RFI Soil	C6S-EU1	C-FP08-S3	1112827.829	614584.4599	0.077	0.077
RFI Soil	C7N-EU1	C-FP09-N1	1109517.55	605319.6485	2.3	2
RFI Soil	C7N-EU1	C-FP09-N2	1109652.894	605389.9665	0.074	0.072
RFI Soil	C7N-EU1	C-FP09-N3	1109789.831	605448.9838	0.077	0.076
RFI Soil	C7N-EU1	C-FP10-N1	1112399.138	602107.5465	0.073	0.073
RFI Soil	C7N-EU1	C-FP10-N2	1112448.961	602389.0555	0.08	0.079
RFI Soil	C7N-EU1	C-FP10-N3	1112499.077	602670.6611	0.076	0.075
RFI Soil	C7N-EU1	C-FP10-N4	1112549.702	602952.2028	0.08	0.08
RFI Soil	C7N-EU1	C-FP10-N5	1112600.146	603234.0528	0.077	0.077
RFI Soil	C7N-EU1	C-FP10-N6	1112650.26	603515.0861	0.074	0.074
RFI Soil	C7N-EU1	C-FP10-N7	1112700.142	603794.8102	0.076	0.075
RFI Soil	C7S-EU1	C-FP09-S1	1109399.671	605259.4479	0.4	0.25
RFI Soil	C7S-EU1	C-FP09-S2	1109137.708	605132.8389	0.074	0.074
RFI Soil	C7S-EU1	C-FP09-S3	1108875.735	605005.8414	0.074	0.073
RFI Soil	C7S-EU1	C-FP09-S4	1108614.037	604878.9303	0.075	0.074
RFI Soil	C7S-EU1	C-FP09-S5	1108352.38	604752.0831	0.078	0.078
RFI Soil	C7S-EU1	C-FP09-S6	1108090.391	604625.1288	0.074	0.074
RFI Soil	C7S-EU1	C-FP09-S7	1107827.86	604497.6728	0.08	0.08
RFI Soil	C7S-EU1	C-FP09-S8	1107566.441	604371.1607	0.076	0.075
RFI Soil	C7S-EU1	C-FP09-S9	1107302.28	604243.1802	0.078	0.076
RFI Soil	C7S-EU1	C-FP10-S1	1112367.47	601848.6497	2.1	1.2
RFI Soil	C7S-EU1	C-FP10-S2	1112326.333	601606.5863	0.078	0.076
RFI Soil	C7S-EU1	C-FP10-S3	1112283.204	601353.3606	0.078	0.078
RFI Soil	C7S-EU1	C-FP10-S4	1112240.456	601102.1007	2.8	1.6
RFI Soil -Top of Bank	C2N-EU2	C-U1-RB-1	1128795.721	659704.2007	0.089	0.089
RFI Soil -Top of Bank	C3N-EU1	C-008-LB-1	1123130.538	655132.5017	17	17
RFI Soil -Top of Bank	C3S-EU1	C-005-RB-1	1125390.241	657233.6562	0.081	0.081
RFI Soil -Top of Bank	C4N-EU1	C-012-LB-1	1122078.06	650770.9444	21	21
RFI Soil -Top of Bank	C4N-EU1	C-023-LB-1	1119187.3	645982.3	11	11
RFI Soil -Top of Bank	C4N-EU1	C-025-LB-1	1118905.6	644371	2.3	2.3
RFI Soil -Top of Bank	C4N-EU1	C-027-LB-1	1119135.3	642529.3	5.6	5.6
RFI Soil -Top of Bank	C4N-EU2	C-034-LB-1	1119155.609	636903.25	1.1	1.1
RFI Soil -Top of Bank	C4N-EU2	C-038-LB-1	1121164.463	636070.7188	0.69	0.69
RFI Soil -Top of Bank	C4S-EU1	C-023-RB-1	1119111.807	645961.8873	12	12
RFI Soil -Top of Bank	C4S-EU2	C-026-RB-1	1118931	643671.9	4.1	3.4
RFI Soil -Top of Bank	C4S-EU2	C-030-RB-1	1118729.1	640227	6.7	6.7
RFI Soil -Top of Bank	C4S-EU2	C-034-RB-1	1119129.99	636976.4679	5.4	5.4

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RFI Soil -Top of Bank	C5N-EU2	C-061-LB-1	1115700.43	621294.5162	2.6	2.6
RFI Soil -Top of Bank	C5N-EU2	C-063-LB-1	1116017.087	621775.0107	9.4	9.4
RFI Soil -Top of Bank	C5N-EU2	C-064-LB-1	1116363.907	622701.3728	0.49	0.49
RFI Soil -Top of Bank	C5N-EU2	C-065-LB-1	1117121.896	622185.1254	4.1	4.1
RFI Soil -Top of Bank	C5S-EU1	C-051-RB-1	1117048.699	626753.951	3.3	3.3
RFI Soil -Top of Bank	C5S-EU1	C-060-RB-1	1114784.647	621681.5169	2.6	2.6
RFI Soil -Top of Bank	C5S-EU1	C-068-RB-1	1115715.715	619476.2107	3.9	3.9
RFI Soil -Top of Bank	C5S-EU1	C-070-RB-1	1114560.486	618079.4121	2.8	2.8
RFI Soil -Top of Bank	C5S-EU1	C-071-RB-1	1114359.139	617239.4794	2.3	2.3
RFI Soil -Top of Bank	C7N-EU1	C-112-LB-1	1110807.669	595958.3922	1.6	1.6
RFI Soil -Top of Bank	C7N-EU1	C-114-LB-1	1109722.045	594576.0655	2.5	2.5
RFI Soil -Top of Bank	C7N-EU1	C-119-LB-1	1106427.901	590864.9218	1.4	1.3
RFI Soil -Top of Bank	C9N-EU1	C-158-LB-1	1113212.096	567478.2658	0.78	0.78
RFI Soil -Top of Bank	C9N-EU1	C-159-LB-1	1114053.052	566658.2873	0.53	0.53
RFI Soil -Top of Bank	C9N-EU1	C-159-RB-1	1113841.282	566507.3422	0.63	0.63
RFI Soil -Top of Bank	C9N-EU1	C-160-RB-1	1114478.696	566051.6402	0.46	0.46
RFI Soil -Top of Bank	C9N-EU1	C-161-RB-1	1115138.094	565385.254	0.31	0.31
RFI Soil -Top of Bank	C9N-EU1	C-165-RB-1	1117352.691	562574.1235	0.69	0.69
RFI Soil -Top of Bank	C9N-EU1	C-166-LB-1	1117176.586	561749.6308	0.076	0.076
RFI Soil -Top of Bank	C9N-EU1	C-172-LB-1	1116567.196	557160.6363	0.075	0.075
RFI Soil -Top of Bank	C9N-EU1	C-172-RB-1	1116214.609	557100.4168	0.084	0.084
RFI Soil -Top of Bank	C9S-EU1	C-182-RB-1	1112501.053	551958.2453	0.028	0.028
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-03	1129392.7	661168.1	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-06	1129366.5	660696	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-11	1129130.6	660632.8	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-15	1129253.5	660232	0.05	0.047
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-19	1129269.9	659783	0.047	0.044
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-20	1128855.4	659681.6	0.044	0.042
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-23	1128937.8	659201.2	0.18	0.11
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-24	1129444.4	659322.4	5.3	3
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-25	1129220.8	658858	20	17
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-28	1128759	658739	270	73
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-29	1129095.1	658396.6	0.09	0.053
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-30	1128626	658279.1	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-31	1129395.2	657934.1	1.8	1.4
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-32	1128471.1	657997.9	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-01	1128844.1	661511.8	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-02	1128380.7	661693.5	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-04	1128468.8	661232.7	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-05	1127918.8	661241.2	0.049	0.049
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-07	1128485.7	660770.6	0.046	0.046
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-08	1128004.2	660779.3	0.048	0.046
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-09	1127546.4	660797	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-10	1127097.2	660735.7	0.046	0.046
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-12	1127557.1	660338.3	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-13	1128024.4	660318.6	0.046	0.045
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-14	1128311.7	660309	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-16	1127388.3	659873.7	0.046	0.042
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-17	1127849.7	659856.1	0.045	0.045
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-18	1128346.2	659846.8	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-21	1127883.8	659393.1	0.07	0.057
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-22	1128475.6	659384.7	0.046	0.045

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-26	1128296.3	658923.1	0.049	0.046
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2N-27	1128013.1	658936.7	0.56	0.52
RI/FS - OU-4 Soil (P1, P2)	C2N-EU2	C2S-18	1128323.1	658580.1	3.6	2.7
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-01	1127649.1	662305.3	0.045	0.045
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-02	1127923.1	661682.3	0.045	0.044
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-03	1127523.5	661922	0.047	0.046
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-04	1127142.7	661853.6	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-05	1127163.9	661490.6	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-06	1126767.3	661705.3	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-07	1126728.6	661339.9	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-08	1126396.5	660804.9	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-09	1126555.3	660546.9	0.045	0.045
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-12	1126802.9	660161	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-14	1127052.9	659549.2	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-15	1127441.8	659209.9	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-16	1127681.3	659011.8	0.057	0.052
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-17	1127933.2	658596.4	0.38	0.27
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-19	1128138	658194.6	0.18	0.12
RI/FS - OU-4 Soil (P1, P2)	C2S-EU1	C2S-20	1127751.9	658205.8	0.76	0.44
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-01	1127867.7	657217	3.8	2.1
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-02	1126321.1	657275.8	35	28
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-03	1125895	657118.9	47	16
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-04	1125488.1	656816.5	61	45
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-05	1125093.6	656355.7	100	90
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-06	1124691.6	656488.3	61	16
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-07	1124536	656054.4	30	21
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-08	1124049.4	655857.5	20	11
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-09	1123581.2	655714.1	3.7	2
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-10	1123573.4	655404.2	9.3	8.8
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-11	1123408.2	654943.5	2.3	1.7
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-12	1123253.4	654482.2	3.5	1.9
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-13	1123183.9	654164.6	8.2	7.6
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-14	1123029	653703.8	6.7	3.8
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-01	1125697.1	656559.5	54	52
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-02	1125457.9	656345.8	24	19
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-03	1124551.6	655918.1	0.9	0.61
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-04	1124494.5	655618.3	6.6	6.4
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-05	1124283	655598.3	34	27
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-06	1124425.3	655290.3	12	6.2
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-07	1124125.9	655242.3	4.7	3.6
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-08	1123826	655255.9	13	12
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-09	1124376.4	654990.1	7.5	4.3
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-10	1124077	654942.5	10	8.4
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-11	1123777	654955.7	14	12
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-12	1123966.8	654640.3	6.6	6.1
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-13	1123614.7	654655.3	4.8	3.5
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-14	1123863.5	654155.5	6.2	5
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-15	1123888.2	653863.9	9.6	7.2
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3NF-16	1123691.8	653528.5	6.9	6.7
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3N-15	1122926.1	653251.7	48	24
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3N-16	1123170.7	652695.9	12	10
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3N-17	1122684.9	652864.8	120	71

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3N-18	1122487.4	652429.8	59	19
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3N-19	1122566.7	651910.8	0.51	0.27
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3NF-17	1123469.3	653041	1.9	1.2
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3NF-18	1123410.1	652649.1	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3NF-19	1123364.7	652318	0.66	0.41
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3NF-20	1123293.3	652090.9	0.06	0.052
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C2S-10	1126184.7	660394.6	0.2	0.12
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C2S-11	1126367.7	660045.1	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C2S-13	1126661.4	659774.9	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-01	1127643.9	658191.6	1.4	0.97
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-02	1127438.5	657723.1	190	130
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-03	1127093.3	657253	52	35
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-04	1126968.7	657348.4	190	110
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-05	1126447.2	657402.4	26	16
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-06	1126814.8	657586.4	74	69
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-07	1126274.2	657827.4	0.18	0.11
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-08	1125837.8	657915.8	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-09	1125558.7	657713.3	0.047	0.044
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-10	1125213.5	657243.4	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-11	1125068.8	657389.5	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-12	1124773.8	656874	0.29	0.26
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-13	1124189.8	656564.5	0.96	0.84
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-01	1127490.4	658474.7	0.28	0.18
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-02	1127209.1	658854	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-03	1126671.2	659405.1	0.041	0.04
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-04	1126388.3	659989.3	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-05	1126851.6	659001.6	0.044	0.043
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-06	1127053.6	658432.7	0.99	0.52
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-07	1127296.1	658047	12	6.3
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-08	1126829.6	658592.2	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-09	1126522.5	659223.8	0.048	0.045
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-10	1126267.9	659627.2	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-11	1126710.7	658195.1	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-12	1127060.6	657863.1	7	3.6
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-13	1125998.2	658861.3	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-14	1125594.5	658646.6	0.042	0.041
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-15	1125278.5	658054.3	0.042	0.041
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-16	1124796	658805.2	0.046	0.044
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-17	1124693.3	658413.4	0.043	0.041
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-18	1124874.2	657998.4	0.041	0.04
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3SF-19	1124967.8	657599.4	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-14	1123475.8	656038.9	0.24	0.14
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-15	1122987	654837.5	0.74	0.46
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-16	1122920.1	654365.2	0.25	0.14
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-17	1122658.6	653807.7	0.66	0.36
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-18	1122655.3	653328.6	110	69
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-19	1122336.5	653300.4	0.62	0.33
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-20	1122171.4	652862.6	13	6.8
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-21	1121935.6	652396.4	12	6.2
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-22	1122269.3	651938.3	15	7.1
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-23	1121811.7	651928.5	33	30
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-20	1122115.1	651134.7	16	8.2

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-21	1122398.5	650527.7	1.1	0.55
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-22	1121916.9	649623.4	15	7.3
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-23	1121559.9	649912.4	38	25
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-24	1121011.3	649602.3	0.91	0.63
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-25	1121099.2	649148.3	28	21
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-01	1120862.8	648140.9	11	5.5
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-02	1120676.9	647742.6	7.4	3.9
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-03	1120170.9	647558.6	13	6.9
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-04	1120112.2	647076.6	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-05	1119858.3	646845.3	0.77	0.56
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-06	1120458.6	646540.6	4.1	3.8
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-07	1120592.7	646292.9	3	1.5
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-08	1120322	645678.6	0.46	0.25
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-09	1119855.8	645913.3	0.59	0.32
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-10	1119273	646398.8	31	16
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-11	1119390	645946.7	1.8	1.4
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-12	1119479.9	645481	0.66	0.35
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-13	1119187.8	645015.3	18	14
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-14	1119210.7	644549.5	9.8	8.5
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-15	1118805.8	644132.3	3.3	3.1
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-16	1119271.5	644083.7	1.6	0.88
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-17	1119127.4	643617.7	10	7.8
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-18	1119636.4	643118	2.2	1.1
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-19	1119746.7	642652.3	0.41	0.23
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-20	1119280.4	642685.9	5.1	4.1
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-01	1121360.5	647793.5	1.2	0.64
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-02	1122023.4	647272	0.17	0.11
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-03	1121515.7	647138.5	0.61	0.5
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-04	1120839	647095.1	0.22	0.12
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-05	1121634	646347.1	0.66	0.61
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-06	1120961.6	646324.8	0.047	0.043
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-07	1121252.5	645792.6	0.2	0.14
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-08	1119925.6	645382.5	20	12
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-09	1121153.5	645149.2	0.49	0.27
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-10	1120431.4	645180.8	0.63	0.53
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-11	1119818	644718.8	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-12	1120836.1	644407.7	0.61	0.33
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-13	1119509.1	644074.7	1.1	0.59
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-14	1120172.8	644056	1.5	0.79
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-15	1120525.8	643783.4	0.65	0.4
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-16	1119910.5	643376.3	0.94	0.49
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-17	1120140.2	643208.4	1.1	0.85
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4NF-24	1119790.7	642728.3	0.5	0.27
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-21	1118851.1	642271.6	13	6.9
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-22	1119155.4	641797.3	0.23	0.14
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-23	1118672.5	641807.8	23	14
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-24	1118212.4	641805.6	12	8.3
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-25	1118691.5	641338.5	0.24	0.14
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-26	1119107.5	639890.8	14	9.9
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-27	1119026.6	639418.1	1.7	0.9
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-28	1119468.5	638959.3	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-29	1119255.6	638489.5	7.4	3.9

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-30	1119414.2	638028.5	0.35	0.2
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-31	1119349.2	637562.5	3.4	1.8
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-32	1119467.6	637083.1	0.16	0.098
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-33	1118946.2	636681.7	4.9	2.5
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-34	1119409.7	636630.1	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-35	1119975.8	636642.7	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-36	1120341.9	636361.3	0.084	0.062
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-37	1120149.8	635894	1.6	0.86
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-38	1120613.3	636053.9	6	4.2
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-39	1121080.5	636180.1	0.31	0.2
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-40	1121546.1	636186.3	0.81	0.43
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-41	1121999.5	636277	0.11	0.079
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-42	1122332.4	635128.7	0.045	0.041
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-43	1121894.2	634876.4	24	20
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-44	1121662	634322	5.4	2.9
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-18	1121208.2	643160.6	0.044	0.042
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-19	1121862.3	643288.4	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-20	1122366	642958.1	0.099	0.071
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-21	1121786.2	642631.8	0.046	0.045
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-22	1121135.4	642544.9	0.052	0.049
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-23	1120415.7	642411.1	0.047	0.046
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-25	1119741.1	641977.1	0.14	0.091
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-26	1119671.9	641400.1	0.075	0.059
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-27	1119955.1	638084.5	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-28	1120592.7	637786.5	0.062	0.053
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-29	1119937.7	637423.8	1.2	0.66
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-30	1120482	637103.5	0.13	0.085
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-31	1121081.3	637116.5	0.1	0.075
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-32	1120595.2	636446.4	0.063	0.052
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4NF-33	1121837	636654.5	0.32	0.18
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-24	1121922.3	651461.8	12	9
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-25	1121926.7	650991.4	25	24
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-26	1121452.7	650894.3	4.6	3.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-27	1121629.1	650422.8	1.4	0.89
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-28	1121223	650378.6	46	35
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-29	1120730.5	650178	2.5	1.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-30	1120505.5	649756.4	7.4	3.7
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-31	1120768.8	649238.6	1.6	0.92
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3SF-20	1120491.7	649969.6	3.4	1.7
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-01	1120829.6	648901.1	320	20
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-02	1120366.9	648972.1	7.4	4.6
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-03	1120618.5	648510.1	5.3	4.9
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-04	1120010	648293.8	52	43
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-05	1120087.9	647836.1	3.5	2.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-06	1119519.9	647880.1	150	29
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-07	1119544.7	647424.1	0.27	0.21
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-08	1119143.9	647220.1	22	12
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-09	1119295.6	646769.1	13	10
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-10	1118801.9	646533.4	3.5	2
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-11	1118796	646124.5	0.046	0.042
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-12	1118932.9	645857.2	0.036	0.035
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4SF-01	1119745	648788.4	0.41	0.23

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4SF-02	1118661.5	646898.1	0.13	0.095
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4SF-03	1118148	646168.3	0.044	0.043
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-13	1118842.5	645188.4	0.048	0.047
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-14	1118697.9	644725	0.045	0.044
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-15	1118272.8	644590.9	0.046	0.046
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-16	1118417.2	643801.3	5.7	4.6
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-17	1118846.5	643339.3	4.4	2.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-18	1118380.5	643647.3	1.6	1.2
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-19	1118979	643066	4	3.9
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-20	1118211.1	642278.5	0.58	0.31
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-21	1117732.2	641403.5	2.3	1.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-22	1117856.6	640959.8	4.1	2.1
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-23	1118289.6	640905.3	0.36	0.2
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-24	1118081.3	640396.7	9	6
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-25	1118611.7	640022.7	17	10
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-26	1118476.7	639887.4	1.3	0.7
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-27	1118693.2	639191.2	4.3	1.9
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-28	1118949.7	638811.8	11	7.2
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-29	1118673.5	638259.7	4.5	2.3
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-30	1118953	637985.9	10	6
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-31	1119019.3	637523.4	3.6	1.9
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-32	1118557.2	637270.3	0.65	0.35
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-33	1118946.6	637029.2	17	9.1
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-04	1118062.2	645515.8	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-05	1118004.4	644535.8	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-06	1117852	643883.5	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-07	1117056.8	641681.5	0.2	0.14
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-08	1117423.4	641279.8	1.5	0.85
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-09	1116780.7	641029.7	0.81	0.43
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-10	1116709	640494.5	0.045	0.045
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-11	1117259.6	640376.4	0.061	0.054
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-12	1116641.3	640015.5	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-13	1117968.8	639964.8	0.59	0.34
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-14	1117294.5	639723.7	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-15	1116545.4	639362.9	0.047	0.045
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-16	1117849.7	639315.4	0.69	0.37
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-17	1117479.4	638657.8	0.046	0.046
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-18	1118136	638262.8	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-19	1117877.6	638016.5	0.049	0.048
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4SF-20	1118542.9	637728.5	0.051	0.047
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-34	1118526.6	636411.1	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-35	1118411.7	636294.7	0.044	0.043
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-36	1118826.8	635928.8	1.1	0.71
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-37	1119091.8	635673.8	0.063	0.051
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-38	1119340.6	636136.4	0.4	0.34
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-39	1119554.5	635878.7	0.37	0.21
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-40	1119801.7	636340.5	16	8.7
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-41	1119702.7	635415.1	4.7	3.9
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-42	1120163.8	635361.8	0.31	0.18
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-43	1120477.9	635574.3	1.2	1.1
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-44	1120861.4	635501.5	13	7.2
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-45	1121401.9	635649.8	0.12	0.096

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-46	1121864	635704.8	1.2	0.85
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-47	1121546	635195.3	11	6.6
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-48	1121293.4	634726.4	1.4	0.81
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-49	1121012.9	634117.9	8.6	5
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-50	1120550.4	634188.2	3.4	1.7
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-21	1118546.7	635725	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-22	1118548.8	635072.6	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-23	1119201.3	635123.6	0.36	0.22
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-24	1119854.2	635081.4	3.6	2
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-25	1118821.8	634470.6	0.23	0.14
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-26	1119474.7	634428.7	0.18	0.12
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-27	1120506.7	634978.3	0.071	0.061
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-28	1121134.2	635184.1	2.4	1.3
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-29	1120779.7	634552	5.7	4.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4SF-30	1120127.6	634325.9	19	16
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-45	1121488.3	633856.3	0.18	0.11
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-46	1121025.7	633835.4	2.8	2.4
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-47	1120957.6	633384	5.6	4.9
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-48	1120600.7	633259.5	38	7.2
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-49	1120535.4	632793.1	2.8	1.6
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-50	1120705.3	632327.2	1.6	0.84
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-51	1120238.3	632171.5	1.4	0.79
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-52	1120507.2	631871.1	6.8	3.5
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4NF-34	1121221	633186.7	14	9
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4NF-35	1121884.5	632675.9	0.076	0.057
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4NF-36	1121408.1	632523.2	0.085	0.063
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4NF-38	1121028.8	631860	0.12	0.08
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4N-53	1120834.6	631391.2	0.71	0.26
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4N-54	1120689.6	630965.7	0.96	0.78
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4N-55	1120445.1	630463.8	0.041	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4NF-37	1122029.5	631951.5	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4NF-39	1122033.4	630721.7	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4NF-40	1121695.3	631353.7	0.2	0.14
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4NF-41	1121419.4	631200.5	0.9	0.47
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4NF-42	1121015.8	630532.9	0.11	0.075
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4NF-43	1121667.6	630032	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C4NF-44	1121224.7	629869.2	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-01	1119143.9	629538	0.44	0.26
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-02	1118122.6	628506.2	0.058	0.045
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-03	1118115.9	628045.1	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-04	1117640.9	628108	0.44	0.37
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-05	1117911.7	627607.6	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-06	1117656.2	627173.6	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-07	1117506.3	626712.6	0.041	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-08	1117406.1	626251.5	0.05	0.049
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-09	1117523.3	625790.5	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-10	1116443.5	625208.4	0.049	0.045
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-11	1115521	625342.2	0.96	0.72
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-12	1115058.5	625233.8	3.2	2
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-13	1114610	625150.2	2.4	1.3
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-14	1114139.8	625330.1	1.2	0.71
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-15	1113679.4	625246	1.5	0.9

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-16	1113999.4	624783.7	0.45	0.25
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-17	1114293.8	624409.6	0.044	0.042
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-18	1113833	624326.1	14	8
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-19	1113874.6	623861.6	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-20	1114544.5	622381.8	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-21	1114829.2	621899.5	0.47	0.3
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-22	1115271.8	622007.9	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-23	1115569.4	621654.1	0.077	0.061
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-24	1115984.6	621235.7	0.42	0.23
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-25	1116030.7	621697.1	6.5	2.8
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-26	1115732.2	622115.1	0.45	0.38
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-27	1115924	622619	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-28	1116225.9	623079.9	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-29	1116686.7	622903.4	0.053	0.047
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-30	1116840.5	622511.6	0.32	0.18
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-31	1117306.9	622563.5	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-32	1117359.8	621155.4	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-33	1117206	620663.1	0.26	0.17
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-34	1116613.7	619677	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-35	1115820.6	619349	0.41	0.22
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-36	1115877.8	618887.9	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-37	1115417.6	618780.6	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-38	1115563.7	618426.9	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-39	1115103	618319.5	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-40	1114870.2	617761.7	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-41	1114977.2	617309.4	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-42	1114926.2	616848.2	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-43	1114655.3	616387.8	0.067	0.054
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-44	1114479.1	616112.5	0.63	0.37
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-45	1114511.8	615651.6	0.13	0.088
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-46	1114971.9	615475	0.28	0.16
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-01	1118350.4	627135.6	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-02	1118233.8	626466.3	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-03	1114592.7	624909.5	0.13	0.086
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-04	1114772	623541.3	0.039	0.038
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-05	1114882.6	622888.5	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-06	1115439.3	623223.2	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-07	1115288.3	623898.6	0.039	0.038
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-08	1115958	623991.9	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-09	1116112.7	623322.3	0.089	0.065
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-10	1116889.7	623003.8	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-11	1118433.1	621180	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-12	1117761.7	621112.2	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-13	1116781.9	619657.4	0.041	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-14	1115344.1	617874.5	0.16	0.12
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-15	1115374.1	616536.2	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-16	1115563.8	615866.2	0.3	0.3
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-17	1115400.1	615198.3	0.094	0.084
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-18	1116095.9	615278.3	0.041	0.04
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-19	1116233.7	614628.5	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5NF-20	1116752.3	614328.7	0.045	0.042
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-51	1120039.4	633983.8	0.077	0.063

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-52	1120158	633515.8	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-53	1119906.6	633047.1	0.35	0.2
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-54	1119824.4	632582.4	0.55	0.3
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-55	1119710.1	632182.5	0.044	0.042
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-56	1120078.5	631132.8	3.2	1.7
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-57	1120112.2	630738.7	35	13
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-58	1119662.3	630831.3	0.059	0.051
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4SF-31	1119403.1	633716.5	4.8	2.5
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4SF-32	1118692.3	633809.1	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4SF-33	1119436.5	633118.7	3.6	2
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-01	1119624.5	630235.4	2	1.3
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-02	1119164.6	630353.1	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-03	1119243.9	629908.1	0.49	0.27
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-04	1118809.8	629766.2	0.89	0.47
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-05	1118469.1	629346.9	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-06	1117986.5	629343.2	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-07	1118230.4	628957.8	16	15
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-08	1117747.6	628890.3	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-09	1117534.1	628290.7	3.8	3.7
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-10	1117033.6	628378.3	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-11	1116976.8	626997	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-12	1116695.9	626326.2	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-13	1117012.9	626073.6	1.5	1.1
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-14	1116735.1	625611.9	1.1	0.62
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-15	1116276.1	625416.1	5.5	3.8
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-16	1115812.7	625702.6	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-17	1114890.5	625646	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-18	1114429.7	625565.3	0.073	0.054
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-19	1113968.5	625796	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-20	1113507.8	625644.7	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-21	1113435.7	625099.6	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-22	1113563.4	624732.6	0.3	0.18
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-23	1113642.1	624263.6	0.31	0.18
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-24	1113218	624174.8	0.043	0.04
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-25	1113650.5	623797.2	1.5	1.3
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-26	1113211.2	623712.9	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-27	1113670.1	623339.5	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-28	1113796	622872.4	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-29	1114096.4	622569.1	0.39	0.25
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-30	1114284.3	622114	0.053	0.046
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-31	1114949	621487.2	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-32	1116129.9	622020.3	3.9	2
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-33	1116412.3	622178.3	1.1	0.73
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-34	1116554.8	621712.7	1.7	1.6
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-35	1117045.7	621917.9	3.5	2.1
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-36	1116838.8	621466.6	6.4	4.3
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-37	1116603.8	620783.8	0.042	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-38	1116339.1	620332.5	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-39	1115967.5	619767.2	1.7	1.2
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-40	1115532.8	619740.3	0.34	0.2
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-41	1115352.5	619277.2	0.24	0.14
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-42	1114728	618651	0.039	0.039

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-43	1114428.9	618189.9	0.045	0.043
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-44	1114477.7	617755.1	0.048	0.044
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-45	1114215.4	617036.7	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-46	1114310.1	616581.5	8.1	5.3
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-47	1114197.3	616115.4	0.064	0.053
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-01	1118858.3	630368.8	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-02	1118534	629855.9	0.043	0.043
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-03	1118022.3	629942	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-04	1117509.7	629736.3	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-05	1117078.4	629593.7	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-06	1117590.8	629227.9	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-07	1117200	629613.2	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-08	1115023.9	626994	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-09	1114683.4	626127.7	0.042	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-10	1114171.1	626158.3	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-11	1113627.1	626329.4	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-12	1113229.2	625976	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-13	1115110.9	620848.2	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-14	1115235.5	620336.2	0.85	0.44
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-15	1114598.9	620494.7	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-16	1114086.2	620521.6	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-17	1115062.3	619824.1	1.8	1.4
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-18	1114723.3	619982.9	0.18	0.11
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-19	1114541.2	619470.7	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5SF-20	1114555.7	618958.9	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-01	1114200.1	614990.2	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-02	1113281.5	614992.1	5.2	3
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-03	1112949	613902.5	0.055	0.048
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-04	1112769.1	613485.9	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-05	1112422.8	613027.4	4.8	3.5
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-06	1112005.8	612627	0.24	0.14
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-07	1111560.6	612543.7	0.92	0.49
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-08	1111085.6	612286.3	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-09	1110620.2	612511.8	1.9	1.1
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-10	1110697.3	612070	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-11	1111181.2	610905	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-12	1111063.9	610001.9	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-13	1108941.2	608199	0.4	0.22
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-14	1106820	608591.9	4.4	3
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-15	1106655.8	608140.9	0.4	0.22
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-16	1107216	607884.7	1.9	1
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-17	1107592.6	606913.8	0.82	0.43
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-18	1106793.5	606312.7	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-19	1107071.9	606036.8	11	7.9
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-20	1108654	606157.3	7.5	4.9
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-01	1113923	615548.4	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-02	1113616.7	615338.8	23	16
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-03	1112327	613486.5	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-04	1111531.3	612842.6	4.7	2.4
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-05	1110371.1	611745.4	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-06	1110597.2	610832.3	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-07	1111062.6	610508.2	1.2	0.7

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-08	1112848.4	614486.2	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-09	1110737.6	612727.6	6.6	4.7
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-10	1109370.2	608430.5	0.13	0.085
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-11	1106513.3	607924.6	0.042	0.042
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-12	1107101.4	605854.6	0.045	0.045
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-13	1108255.1	608520.6	0.27	0.17
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-14	1107449	608734.6	1	0.89
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-15	1107001.8	608906.2	0.067	0.054
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-16	1106456	608636.2	0.079	0.07
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-17	1107392	607390	1.5	0.75
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-18	1105911.7	606583.3	0.045	0.041
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-19	1106264.9	606397.3	0.56	0.32
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-20	1108515.3	605681.3	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-21	1108963.1	605867.8	2.7	2
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-01	1109602.1	605264.3	1.2	0.64
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-02	1109993.5	604734.3	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-03	1110166.6	604480	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-04	1110410.8	604026.4	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-05	1110856.9	603701.5	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-06	1111285	603293.2	0.064	0.064
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-07	1111174.1	602875.8	0.2	0.13
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-08	1111628.8	602996.3	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-09	1111889.6	602540.3	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-10	1112345.7	602500.5	0.059	0.049
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-11	1112581.5	602231	0.1	0.069
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-12	1113022.3	601947.9	0.038	0.036
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-13	1113493.5	602016.8	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-14	1114103.2	601756.8	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-15	1114133.9	601303.5	8.4	5
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-16	1114558.9	601483.4	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-17	1114511.5	601216.4	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-18	1114800	600857	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-19	1114798.5	600458	0.079	0.057
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-20	1114326.6	600076.6	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-21	1114090	599932.6	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-22	1113713.7	599656.7	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-23	1113177.9	599660.1	0.34	0.21
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-24	1112923.2	600116.2	0.053	0.045
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-25	1112467.2	600407	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-26	1112107.6	600676.5	0.19	0.17
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-27	1111651.7	600716.3	0.25	0.25
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-28	1111397.9	601048.1	0.038	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-29	1110643.1	600488.5	0.05	0.04
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-30	1110442.1	599922.6	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-31	1110404.4	599487.1	0.12	0.099
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-32	1110847.6	599576.7	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-33	1110804	599120.6	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-34	1111260	598768.3	0.16	0.11
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-35	1111577.7	598436.5	0.11	0.094
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-36	1111377.3	597858.9	2	1.9
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-37	1111771.6	597524.3	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-38	1111318.9	597379	0.092	0.064

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-39	1110806.8	595931.3	13	2.2
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-40	1110854.4	595473.9	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-41	1110690.2	595016.6	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-42	1109973.8	594250.1	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-43	1109517.7	594319.9	0.036	0.035
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-44	1109061.8	594297.5	0.17	0.13
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-45	1108605.7	594164.6	0.079	0.076
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-46	1108250.8	593708.8	0.087	0.074
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-47	1108235.9	593661.3	0.05	0.047
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-48	1108124	593205.4	0.09	0.085
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-49	1107798.8	592709.4	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-50	1107815	592293.4	0.059	0.052
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-51	1107367.7	591836	0.33	0.26
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-52	1107341.6	591379.9	0.21	0.15
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-53	1106885.5	591305.8	0.66	0.4
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-01	1111749.6	603851.9	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-02	1112823	602900.1	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-03	1113556.9	602286.9	0.052	0.047
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-04	1113810.8	603272.8	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-05	1114707.6	603835	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-06	1115655.4	604857.9	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-07	1116489.8	601353.6	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-08	1116314.9	600367	0.044	0.044
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-09	1117108.7	599525.4	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-10	1115327.9	599924.6	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-11	1116122	599380.3	0.056	0.049
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-12	1115137	598938.9	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-13	1114145.4	598854	0.065	0.065
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-14	1113161.9	599326.8	0.67	0.54
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-15	1112368.1	599939.8	0.039	0.038
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-16	1111381	599904.9	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-17	1112175	598953.3	1.6	1.4
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-18	1109070.1	592758.6	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-19	1108872.8	593745.8	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7NF-20	1107739.7	591723.3	0.11	0.07
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-01	1109175.7	605298.5	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-02	1109256.6	604835.5	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-03	1109716.1	604494.7	1.8	1.5
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-04	1109905.2	603578.5	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-05	1110324.8	603584.7	3.1	2.3
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-06	1110487.8	603151.4	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-07	1110611.6	602871.4	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-08	1111104.534	602684.1113	0.26	0.2
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-09	1111002.3	602438.6	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-10	1111465.4	602221.2	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-11	1111743.2	601897.5	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-12	1112205.8	601710	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-13	1112640.9	601427.1	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-14	1113309.6	601107.6	2.2	1.8
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-15	1113565.8	601486.6	0.18	0.11
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-16	1113781	601010.6	0.67	0.36
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-17	1113981.7	600705.2	0.36	0.23

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-18	1113524.7	600087	0.61	0.49
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-19	1113518.9	600550	0.13	0.098
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-20	1113055.9	600647	9.1	4.6
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-21	1112854.9	600961.9	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-22	1112181.6	601248.2	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-23	1111715	601435	0.21	0.16
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-24	1111279.9	601758	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-25	1110788.6	601512.6	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-26	1110538	600895.9	9.9	9.9
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-27	1110031.9	600831.5	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-28	1109814.8	600337.3	0.075	0.057
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-29	1109820.9	599876.4	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-30	1109749.5	599411.3	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-31	1110199.6	599457.6	0.054	0.046
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-32	1110114	598984.6	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-33	1110418.4	598521.5	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-34	1110891.2	598288.8	0.32	0.22
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-35	1110890.3	597808.7	0.081	0.071
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-36	1110761.2	597345.4	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-37	1110854.7	596870.8	3.6	2.8
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-38	1110433.5	596669.3	0.037	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-39	1110747.7	596416.3	1.8	1.2
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-40	1110314.4	596206.4	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-41	1110406.411	595743.5597	0.075	0.063
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-42	1110545.4	595495.2	3.9	2.4
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-43	1110084.1	595280.5	0.084	0.076
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-44	1110042.9	594780.4	16	8.4
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-45	1109578.6	595112.6	0.047	0.042
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-46	1109108.2	594618.4	0.28	0.25
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-47	1108643	594644.4	0.64	0.37
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-48	1108189.5	594870	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-49	1108183.8	594406.7	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-50	1107818.5	593942.6	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-51	1107635.1	593666.1	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-52	1107396.5	593203.2	0.056	0.051
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-53	1107408.4	592679.5	0.094	0.065
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-54	1106962.8	592300.8	0.051	0.05
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-55	1106550.5	591629.7	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-56	1106501.9	591148.3	0.36	0.23
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-57	1106204.6	590964.1	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-01	1107457.5	605257.3	0.041	0.04
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-02	1108140.2	604521.4	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-03	1107705.9	603506.4	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-04	1109735.7	603137.4	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-05	1108601.8	602712.7	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-06	1110701.8	601910.8	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-07	1108672.5	601697.8	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-08	1109687.5	601107.7	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-09	1109297.8	600682.9	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-10	1108297.5	600431	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-11	1109113	599666.4	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-12	1109763.8	598062.8	0.04	0.04

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-13	1110010.2	597047.9	0.19	0.18
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-14	1109114.6	596623.7	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-15	1110129.6	596033	0.068	0.053
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-16	1109481.2	595608.7	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-17	1108466.3	595387.9	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-18	1107420.4	594090	0.039	0.038
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-19	1106325.1	592918.7	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7SF-20	1104905.2	592384.1	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-01	1105853.8	590056.4	0.25	0.24
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-02	1105724.9	589484.5	0.13	0.084
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-03	1105881.4	589247.7	0.11	0.073
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-04	1105748.1	588340.8	0.13	0.12
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-05	1107156.8	587224.8	0.65	0.5
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-06	1107728.5	587285.2	0.27	0.2
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-07	1108106.8	586713.2	0.038	0.037
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-08	1108380.7	585985.1	0.14	0.11
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-09	1107838.9	585570.5	5.3	3.3
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-10	1107268.4	585504.8	2.3	1.2
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-11	1106693.7	585652.8	12	2.3
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-12	1106118.9	585782.9	4	3.7
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-13	1106178.2	584684	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-14	1107639.5	583859.4	2.8	1.8
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-15	1110339.5	583157.1	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-16	1110654.8	581246.6	11	8.1
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-17	1109026.8	581339.8	4.4	3.8
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-18	1108446.6	581414	0.057	0.048
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-19	1107873.8	581530.9	10	3.1
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-20	1107149.4	580921.1	3.3	2.5
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-01	1105215.9	590441.8	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-02	1105026.6	590091.9	0.038	0.037
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-03	1104759.2	589522.6	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-04	1105003.9	588967.3	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-05	1107515.3	586560.1	0.054	0.046
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-06	1107606.4	585998.2	0.081	0.062
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-07	1107043.9	585939.4	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-08	1106480.1	586031	0.037	0.036
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-09	1105919.4	586152	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-10	1105341.2	585948	0.091	0.078
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-11	1105676.7	585010	3.1	1.7
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-12	1106769.6	583689.2	0.17	0.11
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-13	1107353.7	583705	8.3	3.6
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-14	1108457.5	583570.3	0.063	0.053
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-15	1108896.1	583007.9	0.036	0.036
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-16	1109426.6	582843	0.11	0.08
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-17	1110422.3	582158.4	0.22	0.2
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-18	1109130.8	581720.9	0.035	0.035
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-19	1107439.2	581496.4	0.41	0.21
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-20	1106860.6	579192.3	0.054	0.051
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-01	1107461.8	579512.8	7.9	4.5
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-02	1108175.9	578004.7	5.1	2.9
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-03	1108643.8	577709.6	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-04	1108816.4	577483.8	0.04	0.04

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-05	1109074.2	577010.2	0.077	0.058
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-06	1109739.7	575662.9	0.038	0.038
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-07	1110586.7	575019.2	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-08	1110873.6	574549.8	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-09	1111087.8	574309.9	0.096	0.07
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-10	1111388.5	573838.6	0.086	0.063
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-11	1109941.7	572358.8	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-12	1110175	571760.1	0.04	0.039
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-13	1110423.8	571287.8	0.037	0.037
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-14	1110896.6	571243.3	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-15	1111321.2	571007.7	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-16	1112011.9	570338.1	0.2	0.12
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-17	1112906.5	570023.7	0.043	0.042
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-18	1113515.1	568021	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-19	1113250.7	567652.8	2.4	1.7
RI/FS - OU-4 Soil (P1, P2)	C9N-EU1	C9N-20	1113621.8	567548.9	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-01	1107037.6	579280.8	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-02	1107415.6	579043.9	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-03	1108604.9	576769.9	0.58	0.39
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-04	1109643	575195	0.41	0.29
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-05	1110617.3	574075.3	0.33	0.18
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-06	1110916.2	573603.3	0.28	0.24
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-07	1110508	573170.4	0.45	0.44
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-08	1110042.1	573301.9	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-09	1109542.5	572893	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-10	1109436.9	572469.9	0.21	0.13
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-11	1110375.5	570816	0.47	0.25
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-12	1110846.6	570773.7	0.55	0.29
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-13	1111066.7	570537.7	0.54	0.29
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-14	1111490.3	570063.1	0.37	0.36
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-15	1111961.7	569973.5	0.42	0.23
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-16	1112330.1	569394.2	0.039	0.039
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-17	1112683.2	569079.8	0.04	0.04
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-18	1112589.8	568607.7	0.042	0.041
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-19	1112571.1	568135.8	0.041	0.041
RI/FS - OU-4 Soil (P1, P2)	C9S-EU1	C9S-20	1112924.3	567191.7	0.042	0.041
Tennis Court Water Line	C1-EU1	OLWL-3	1130504.525	659474.5942	0.59	0.59
Tennis Court Water Line	C1-EU2	OLWL-4	1130520.073	659319.9196	0.24	0.24
WWTP	C2N-EU1	PC1-08	1129276.09	657826.6345	0.13	0.13
WWTP	C2N-EU1	PC1-09	1129225.703	657825.7999	3.4	1
WWTP	C2N-EU1	PC1-21	1129281.509	658125.7031	0.49	0.49
WWTP	C2N-EU1	PC1-22	1129280.261	658147.1079	0.23	0.23
WWTP	C2N-EU1	PC1-26	1129181.838	658221.559	0.16	0.16
WWTP	C2N-EU1	PC1-27	1129160.737	658223.334	3.5	3.5
WWTP	C2N-EU1	PC1-28	1129182.228	658270.5156	0.96	0.53
WWTP	C2N-EU1	PC1-29	1129161.544	658270.0282	11	0.96
WWTP	C2N-EU1	PC3-01	1129336.586	658120.9676	0.62	0.62
WWTP	C2N-EU1	PC3-02	1129374.24	658123.99	0.14	0.14
WWTP	C2N-EU1	PC3-03	1129398.83	658136.6345	0.077	0.077
WWTP	C2N-EU1	PC3-04	1129397.434	658190.7198	12	0.22
WWTP	C2N-EU1	PC3-06	1129400.134	658300.3222	2.9	2.5
WWTP	C2N-EU1	PC3-07	1129400.298	658354.8592	9.3	9.3

Table 5-1. OU-4 Length-Weighted Nonresidential Surface (0-1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Surface Length-Weighted Total PCB (mg/kg)
WWTP	C2N-EU1	PC3-08	1129400.498	658408.1599	11	11
WWTP	C2N-EU1	PC3-09	1129402.227	658464.0347	8.4	8.4
WWTP	C2N-EU1	PC3-10	1129397.216	658082.5098	3.7	3.7
WWTP	C2N-EU1	PC3-11	1129397.177	658027.3352	1.5	0.52
WWTP	C2N-EU1	PC3-12	1129393.85	657974.82	2.8	0.16
WWTP	C2N-EU1	PC3-13	1129395.37	657918.544	0.29	0.29
WWTP	C2N-EU1	PC3-14	1129392.54	657866.75	2.2	2.2
WWTP	C2N-EU1	PC3-15	1129392.99	657813.14	2.8	2.8

Surface (0–1 foot) total PCB concentration calculated by the following equation:

$$Surface\ Total\ PCB\ Length\ Weighted\ Concentration = (\sum([Segment\ Concentration] \times [Segment\ Length])) / (\sum([All\ Segment\ Lengths]))$$

Surface maximum and total PCB were rounded to 2 significant figures.

If parent/duplicate pair were both detected or both not detected, an average was taken using the reported results (reporting limit for nondetects).
If one of the parent/duplicate pair was detected and the other was not detected, the detected result was used.
APCO FP: Alabama Power Company floodplain
EU: exposure unit
mg/kg: milligram(s) per kilogram
P1: Phase 1
P2: Phase 2
OU: operable unit
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act (RCRA) Facility Investigation
RI/FS: remedial investigation/feasibility study
WWTP: wastewater treatment plant

Table 5-2. Summary of OU-4 Nonresidential Surface (0-1 foot) Soil PCB Data by Exposure Unit
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

EU	Locations	Surface Samples (n)[1]	Surface Maximum (mg/kg)	Surface Mean (mg/kg)	Surface UCL (mg/kg)[2]	Length Weighted Surface Mean (mg/kg)	Length Weighted Surface UCL (mg/kg)
C1-EU1	69	69 [2]	55	4.9	9.4	4.9	9.4
C1-EU2	33	33	210	27	39	27	39
C2N-EU1	38	54 [1]	110	4.4	14	3.8	16
C2N-EU2	35	63	3.6	0.16	0.43	0.15	0.48
C2S-EU1	22	44 [3]	0.67	0.085	0.16	0.085	0.17
C3N-EU1	62	117 [8]	100	12	15	12	16
C3N-EU2	17	30 [1]	120	9.6	29	9.3	26
C3S-EU1	40	79	190	11	27	10	39
C3S-EU2	28	53 [13]	110	9.2	19	9.1	16
C4N-EU1	82	155 [4]	38	3.4	5.6	3.5	8.0
C4N-EU2	57	102	24	1.8	3.8	1.6	3.8
C4S-EU1	53	106 [4]	56	8.0	10	8.1	11
C4S-EU2	45	87	21	2.0	3.8	2.1	5.0
C4S-EU3	40	80	19	2.1	3.9	2.1	3.2
C5N-EU1	12	24	14	2.5	7.0	2.5	6.0
C5N-EU2	115	211	14	0.44	0.87	0.54	1.1
C5S-EU1	101	186	33	1.1	2.2	1.1	2.4
C6N-EU1	23	46	11	1.2	2.7	1.2	3.0
C6S-EU1	24	48	23	1.3	3.6	1.3	4.3
C7N-EU1	91	173	8.4	0.25	0.51	0.27	0.59
C7S-EU1	103	193	16	0.59	1.2	0.69	1.5
C8N-EU1	24	48	11	1.3	2.7	1.3	3.1
C8S-EU1	20	40	4.3	0.33	0.96	0.33	1.2
C9N-EU1	29	49 [10]	7.9	0.48	1.3	0.47	1.3
C9S-EU1	21	41	0.58	0.17	0.29	0.17	0.30

1.Values within brackets indicate soil samples that were collected from outside the EU boundary, but included with the EU for analyses.
2. Surface UCL was calculated with ProUCL version 4.1.01.
Surface maximum, mean, and UCL calculations were rounded to two significant figures.
EU: exposure unit
mg/kg: milligram(s) per kilogram
n: sample count
OU: operable unit
PCB: polychlorinated biphenyl
UCL: upper confidence limit (95% confidence coefficient)

Table 5-3. OU-4 Length-Weighted Nonresidential Subsurface (below 1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Suburface Length Weighted Total PCB (mg/kg)
Anniston Airport	C4N-EU1	ARA-12	1119965.988	646665.554	8.9	8.9
Anniston Airport	C4N-EU1	ARA-22	1119597.001	645552.219	1.6	0.59
Anniston Airport	C4N-EU1	ARA-28	1119562.298	644967.435	0.96	0.96
Anniston Airport	C4N-EU1	ARA-35	1119463.076	644631.793	2.5	0.91
Anniston Airport	C4N-EU1	ARA-40	1119321.014	643895.568	0.21	0.21
Anniston Airport	C4N-EU1	ARA-53	1120160.544	647250.082	2.3	1.6
APCO FP	C5N-EU2	116 LoopOut	1115833.16	618982.6555	0.079	0.079
APCO FP	C5N-EU2	STR-97	1114505.231	625296.807	1.3	0.077
APCO FP	C5N-EU2	STR-98	1114086.826	624867.9481	0.92	0.045
APCO FP	C5S-EU1	STR-88	1118181.271	629071.2674	0.077	0.077
Borrelli	C1-EU2	NHA-1	1130178.219	658585.2198	190	120
Borrelli	C1-EU2	NHA-2	1130279.329	658595.5352	230	220
Borrelli	C1-EU2	NHA-5	1130434.917	658648.6103	230	72
Colonial Pipeline	C4S-EU1	239-4	1120388.559	649556.2417	13	1.4
Colonial Pipeline	C4S-EU1	240-8	1120441.591	649973.7488	0.091	0.091
Highway 21	C3N-EU2	FP-3-d	1122376.084	652030.5705	0.25	0.25
Highway 21	C3N-EU2	FP-3-e	1122414.318	652039.4972	23	23
Highway 21	C3N-EU2	FP-3-f	1122453.665	652048.6835	0.090	0.090
Highway 21	C3N-EU2	FP-3-g	1122492.778	652057.8155	0	0
Highway 21	C3S-EU2	FP-2-d	1122312.554	652015.738	0	0
Highway 21	C3S-EU2	FP-2-e	1122274.084	652006.7563	10	10
Highway 21	C3S-EU2	FP-2-f	1122234.736	651997.5696	8.3	8.3
Highway 21	C3S-EU2	FP-2-g	1122195.448	651988.3968	12	12
Highway 21	C3S-EU2	RP-2-dx	1122292.822	652011.131	9.2	9.2
Highway 21	C4N-EU1	FP-1-d	1122081.323	651439.8717	18	18
Highway 21	C4N-EU1	FP-1-e	1122042.82	651430.7713	15	15
Highway 21	C4N-EU1	FP-4-d	1122199.874	651467.8919	26	26
Highway 21	C4N-EU1	FP-4-e	1122238.728	651477.0752	2.1	2.1
Highway 21	C4N-EU1	FP-4-f	1122315.325	651495.1791	0.070	0.070
Highway 21	C4N-EU1	FP-4-g	1122353.886	651504.2932	1.2	1.2
Highway 21	C4N-EU1	RP-4-ex	1122277.408	651486.2172	3.1	3.1
Highway 21	C4S-EU1	FP-1-f	1122003.908	651421.5743	4.6	4.6
Highway 21	C4S-EU1	FP-1-g	1121964.409	651412.2387	4.0	4.0
I-20 Industrial Park	C4N-EU1	Ind-CC-8	1120705.8	644000.9	4.8	0.089
I-20 Industrial Park	C4N-EU2	Ind-CC-27	1120524.3	642892.5	1.7	0.087
Oxford Lake Park	C1-EU1	OLGP-001	1130787.54	659505.96	1.6	0.075
Oxford Lake Park	C1-EU1	OLGP-002	1130690.4	659490.33	13	0.21
Oxford Lake Park	C1-EU1	OLGP-003	1130594.19	659473.83	7.2	2.7
Oxford Lake Park	C1-EU1	OLGP-023	1130209.82	659008.36	7.6	7.5
Oxford Lake Park	C1-EU1	OLGP-024	1130207.36	659111.59	24	8.9
Oxford Lake Park	C1-EU1	OLGP-026	1130156.63	659108.3	4.7	2.7
Oxford Lake Park	C1-EU1	OLGP-027	1130105.16	658999.99	65	24
Oxford Lake Park	C1-EU1	OLGP-047	1130674.4	659567.13	35	0.080
Oxford Lake Park	C1-EU1	OLGP-048	1130579.88	659544.4	55	0.38
Oxford Lake Park	C1-EU1	OLGP-049	1130511.08	659523.31	31	31
Oxford Lake Park	C1-EU1	OLGP-050	1130305.67	659515.48	13	9.3
Oxford Lake Park	C1-EU1	OLGP-051	1130216.63	659508.01	2.5	2.0
Oxford Lake Park	C1-EU1	OLGP-055	1129815.7	659479.78	7.3	4.5
Oxford Lake Park	C1-EU1	OLGP-056	1129815.55	659380.2	1.7	0.69
Oxford Lake Park	C1-EU1	OLGP-057	1129816.83	659279.68	35	15
Oxford Lake Park	C1-EU1	OLGP-058	1129817.82	659175.37	9.0	5.1
Oxford Lake Park	C1-EU1	OLGP-061	1129819.66	658871.18	290	96
Oxford Lake Park	C1-EU1	OLGP-062	1129810.42	658768.46	220	110

Table 5-3. OU-4 Length-Weighted Nonresidential Subsurface (below 1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Suburface Length Weighted Total PCB (mg/kg)
Oxford Lake Park	C1-EU1	OLGP-063	1129815.88	658667.39	72	50
Oxford Lake Park	C1-EU1	OLGP-064	1129915.13	658684.24	56	23
Oxford Lake Park	C1-EU1	OLGP-065	1129918.34	658783	350	100
Oxford Lake Park	C1-EU1	OLGP-066	1129917.34	658877.83	140	48
Oxford Lake Park	C1-EU1	OLGP-069	1129915.49	659183.93	3.9	0.48
Oxford Lake Park	C1-EU1	OLGP-074	1130015.35	659194.17	4.9	0.34
Oxford Lake Park	C1-EU1	OLGP-077	1130020.3	658895.5	85	49
Oxford Lake Park	C1-EU1	OLGP-078	1130020.62	658792.4	32	19
Oxford Lake Park	C1-EU1	OLGP-079	1130024.14	658692.88	24	15
Oxford Lake Park	C1-EU1	OLGP-080	1130116.57	659207.39	3.6	0.38
Oxford Lake Park	C1-EU1	OLGP-083	1130214.81	659404.52	9.8	4.1
Oxford Lake Park	C1-EU1	OLGP-084	1130212.28	659306.08	19	6.5
Oxford Lake Park	C1-EU1	OLGP-141	1130278.79	660088.44	0.20	0.20
Oxford Lake Park	C1-EU1	OLGP-144	1130285.06	660008.67	7.2	4.5
Oxford Lake Park	C1-EU1	OLGP-147	1130356.08	659941.75	5.6	4.0
Oxford Lake Park	C1-EU1	OLGP-150	1130429.67	659874.75	0.84	0.28
Oxford Lake Park	C1-EU1	OLHA-001	1129976.08	658693.51	38	38
Oxford Lake Park	C1-EU1	OLHA-002	1129856.12	658678.94	110	110
Oxford Lake Park	C1-EU1	OLHA-003	1129966.08	658832.25	34	34
Oxford Lake Park	C1-EU1	OLHA-004	1129865.88	658837.68	220	220
Oxford Lake Park	C1-EU1	OLHA-019	1130307.539	660269.8234	12	0.68
Oxford Lake Park	C1-EU1	OLHA-020	1130171.58	660673.06	0.078	0.075
Oxford Lake Park	C1-EU1	OLHA-023	1130180.95	660448.23	0.076	0.076
Oxford Lake Park	C1-EU1	OLHA-026	1130169.24	660822.96	0.086	0.086
Oxford Lake Park	C1-EU2	OLGP-009	1130517.63	658930.73	13	10
Oxford Lake Park	C1-EU2	OLGP-010	1130520.11	658830.68	130	92
Oxford Lake Park	C1-EU2	OLGP-011	1130525.25	658782.41	45	32
Oxford Lake Park	C1-EU2	OLGP-020	1130315.37	658915.27	49	37
Oxford Lake Park	C1-EU2	OLGP-021	1130330.27	658816.86	100	69
Oxford Lake Park	C1-EU2	OLGP-022	1130342.55	658736.35	21	13
Oxford Lake Park	C1-EU2	OLGP-028	1130115.86	658899.17	37	30
Oxford Lake Park	C1-EU2	OLGP-029	1130126.99	658799.07	150	100
Oxford Lake Park	C1-EU2	OLGP-030	1130140.24	658709.5	32	25
Oxford Lake Park	C1-EU2	OLGP-031	1130238.82	658719.62	84	62
Oxford Lake Park	C1-EU2	OLGP-032	1130434.92	658757.51	47	16
Oxford Lake Park	C1-EU2	OLGP-033	1130618.01	658819.84	90	61
Oxford Lake Park	C1-EU2	OLGP-034	1130718.58	658837.35	210	120
Oxford Lake Park	C1-EU2	OLGP-035	1130816.73	658859.05	170	130
Oxford Lake Park	C1-EU2	OLGP-036	1130912.6	658855.16	150	89
Oxford Lake Park	C1-EU2	OLGP-037	1131011.85	658850.7	100	40
Oxford Lake Park	C1-EU2	OLGP-038	1131112.72	658851.3	89	44
Oxford Lake Park	C1-EU2	OLGP-039	1131173.19	658955.02	96	64
Oxford Lake Park	C1-EU2	OLGP-040	1131115.06	659012.92	41	23
Oxford Lake Park	C1-EU2	OLGP-041	1131008.65	659019.63	30	17
Oxford Lake Park	C1-EU2	OLGP-042	1130910.73	659026.31	67	38
Oxford Lake Park	C1-EU2	OLGP-043	1130813.75	659019.69	37	26
Oxford Lake Park	C1-EU2	OLGP-044	1130709.8	659016.47	18	15
Oxford Lake Park	C1-EU2	OLGP-045	1130608.67	659011.94	110	73
Phase 3 Soil	C3S-EU2	C3SX-01	1121449.3	651849.2	27	1.7
Phase 3 Soil	C3S-EU2	C3SX-04	1121888	653195.6	39	2.7
RFI Soil	C2N-EU1	C-FP01-N1	1128834.418	659509.5422	0.18	0.18
RFI Soil	C2N-EU2	C-FP01-C1	1128780.126	659691.6975	0.087	0.087
RFI Soil	C2N-EU2	C-FP01-C9	1127441.868	661137.6357	0.084	0.080

Table 5-3. OU-4 Length-Weighted Nonresidential Subsurface (below 1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Suburface Length Weighted Total PCB (mg/kg)
RFI Soil	C2S-EU1	C-FP01-S1	1127365.918	661221.2309	0.085	0.080
RFI Soil	C3N-EU1	C-FP02-N1	1125647.334	657258.0459	8.1	8.1
RFI Soil	C3S-EU1	C-FP02-S1	1124874.109	656628.7169	79	0.36
RFI Soil	C4N-EU1	C-FP04-N1	1119143.884	644818.1209	3.5	3.4
RFI Soil	C4N-EU1	C-FP04-N2	1119477.113	644817.9374	0.80	0.28
RFI Soil	C4N-EU2	C-FP05-N1	1121763.573	634823.8169	14	8.4
RFI Soil	C4S-EU1	C-FP03-S12	1120713.6	649408.98	7.0	3.7
RFI Soil	C4S-EU1	C-FP03-S4	1119979.648	648212.245	5.2	2.2
RFI Soil	C4S-EU1	C-FP03-S6	1120194.378	648479.7458	7.5	5.2
RFI Soil	C4S-EU1	C-FP03-S8	1120447.703	648797.0596	4.7	4.1
RFI Soil	C4S-EU2	C-FP04-S1	1118984.062	644818.0012	21	17
RFI Soil	C4S-EU3	C-FP05-S1	1121609.124	634823.0797	97	97
RFI Soil	C5N-EU2	C-FP06-N1	1120302.44	630752.1671	1.2	0.079
RFI Soil	C5N-EU2	C-FP07-N1	1116548.707	622592.856	3.9	0.064
RFI Soil	C5N-EU2	C-FP11-01	1114610.344	617606.3419	8.5	6.8
RFI Soil	C5S-EU1	C-FP06-S1	1120190.672	630835.4145	33	5.2
RFI Soil	C5S-EU1	C-FP07-S1	1115564.145	619318.6524	1.8	0.12
RFI Soil	C6N-EU1	C-FP08-N1	1113149.79	614609.6872	2.4	0.15
RFI Soil	C6S-EU1	C-FP08-S1	1112988.399	614600.6569	5.0	0.076
RFI Soil	C7N-EU1	C-FP10-N1	1112399.138	602107.5465	0.073	0.073
RFI Soil	C7S-EU1	C-FP09-S1	1109399.671	605259.4479	0.40	0.20
RFI Soil	C7S-EU1	C-FP10-S1	1112367.47	601848.6497	2.1	0.20
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-25	1129220.8	658858	20	16
RI/FS - OU-4 Soil (P1, P2)	C2N-EU1	C2N-28	1128759	658739	270	270
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-02	1126321.1	657275.8	35	10
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-03	1125895	657118.9	47	47
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-04	1125488.1	656816.5	61	4.1
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-05	1125093.6	656355.7	100	13
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-06	1124691.6	656488.3	61	61
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-07	1124536	656054.4	30	2.1
RI/FS - OU-4 Soil (P1, P2)	C3N-EU1	C3N-10	1123573.4	655404.2	9.3	7.2
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3N-17	1122684.9	652864.8	120	30
RI/FS - OU-4 Soil (P1, P2)	C3N-EU2	C3N-18	1122487.4	652429.8	59	59
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-02	1127438.5	657723.1	190	48
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-03	1127093.3	657253	52	7.4
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-04	1126968.7	657348.4	190	52
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-05	1126447.2	657402.4	26	26
RI/FS - OU-4 Soil (P1, P2)	C3S-EU1	C3S-06	1126814.8	657586.4	74	7.8
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-18	1122655.3	653328.6	110	7.2
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-22	1122269.3	651938.3	15	15
RI/FS - OU-4 Soil (P1, P2)	C3S-EU2	C3S-23	1121811.7	651928.5	33	9.6
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-23	1121559.9	649912.4	38	0.51
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C3N-25	1121099.2	649148.3	28	0.71
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-01	1120862.8	648140.9	11	0.19
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-02	1120676.9	647742.6	7.4	0.042
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-03	1120170.9	647558.6	13	0.16
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-04	1120112.2	647076.6	0.043	0.041
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-05	1119858.3	646845.3	0.77	0.77
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-06	1120458.6	646540.6	4.1	1.9
RI/FS - OU-4 Soil (P1, P2)	C4N-EU1	C4N-13	1119187.8	645015.3	18	1.5
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-23	1118672.5	641807.8	23	0.72
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-24	1118212.4	641805.6	12	5.0
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-26	1119107.5	639890.8	14	4.2

Table 5-3. OU-4 Length-Weighted Nonresidential Subsurface (below 1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Suburface Length Weighted Total PCB (mg/kg)
RI/FS - OU-4 Soil (P1, P2)	C4N-EU2	C4N-43	1121894.2	634876.4	24	1.8
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-25	1121926.7	650991.4	25	1.8
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-28	1121223	650378.6	46	5.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-30	1120505.5	649756.4	7.4	0.040
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C3S-31	1120768.8	649238.6	1.6	0.21
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-01	1120829.6	648901.1	320	120
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-02	1120366.9	648972.1	7.4	0.14
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-03	1120618.5	648510.1	5.3	3.5
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-04	1120010	648293.8	52	8.5
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-05	1120087.9	647836.1	3.5	1.4
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-06	1119519.9	647880.1	150	53
RI/FS - OU-4 Soil (P1, P2)	C4S-EU1	C4S-09	1119295.6	646769.1	13	4.1
RI/FS - OU-4 Soil (P1, P2)	C4S-EU2	C4S-33	1118946.6	637029.2	17	16
RI/FS - OU-4 Soil (P1, P2)	C4S-EU3	C4S-49	1121012.9	634117.9	8.6	5.2
RI/FS - OU-4 Soil (P1, P2)	C5N-EU1	C4N-48	1120600.7	633259.5	38	38
RI/FS - OU-4 Soil (P1, P2)	C5N-EU2	C5N-18	1113833	624326.1	14	2.2
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C4S-57	1120112.2	630738.7	35	35
RI/FS - OU-4 Soil (P1, P2)	C5S-EU1	C5S-07	1118230.4	628957.8	16	3.4
RI/FS - OU-4 Soil (P1, P2)	C6N-EU1	C6N-19	1107071.9	606036.8	11	1.3
RI/FS - OU-4 Soil (P1, P2)	C6S-EU1	C6S-02	1113616.7	615338.8	23	3.1
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-15	1114133.9	601303.5	8.4	0.17
RI/FS - OU-4 Soil (P1, P2)	C7N-EU1	C7N-39	1110806.8	595931.3	13	13
RI/FS - OU-4 Soil (P1, P2)	C7S-EU1	C7S-37	1110854.7	596870.8	3.6	0.30
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-09	1107838.9	585570.5	5.3	0.52
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-11	1106693.7	585652.8	12	12
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-17	1109026.8	581339.8	4.4	3.3
RI/FS - OU-4 Soil (P1, P2)	C8N-EU1	C8N-19	1107873.8	581530.9	10	10
RI/FS - OU-4 Soil (P1, P2)	C8S-EU1	C8S-13	1107353.7	583705	8.3	8.3
Tennis Court Water Line	C1-EU1	OLWL-3	1130504.525	659474.5942	0.59	0.59
Tennis Court Water Line	C1-EU2	OLWL-4	1130520.073	659319.9196	0.24	0.24
WWTP	C2N-EU1	PC1-08	1129276.09	657826.6345	0.13	0.13
WWTP	C2N-EU1	PC1-09	1129225.703	657825.7999	3.4	2.6
WWTP	C2N-EU1	PC1-21	1129281.509	658125.7031	0.49	0.49
WWTP	C2N-EU1	PC1-22	1129280.261	658147.1079	0.23	0.23
WWTP	C2N-EU1	PC1-26	1129181.838	658221.559	0.16	0.16
WWTP	C2N-EU1	PC1-27	1129160.737	658223.334	3.5	2.8
WWTP	C2N-EU1	PC1-28	1129182.228	658270.5156	0.96	0.82
WWTP	C2N-EU1	PC1-29	1129161.544	658270.0282	11	7.9
WWTP	C2N-EU1	PC3-01	1129336.586	658120.9676	0.62	0.62
WWTP	C2N-EU1	PC3-02	1129374.24	658123.99	0.14	0.14
WWTP	C2N-EU1	PC3-03	1129398.83	658136.6345	0.077	0.077
WWTP	C2N-EU1	PC3-04	1129397.434	658190.7198	12	8.0
WWTP	C2N-EU1	PC3-06	1129400.134	658300.3222	2.9	2.5
WWTP	C2N-EU1	PC3-07	1129400.298	658354.8592	9.3	6.1
WWTP	C2N-EU1	PC3-08	1129400.498	658408.1599	11	5.8
WWTP	C2N-EU1	PC3-09	1129402.227	658464.0347	8.4	6.2
WWTP	C2N-EU1	PC3-10	1129397.216	658082.5098	3.7	1.5
WWTP	C2N-EU1	PC3-11	1129397.177	658027.3352	1.5	1.2
WWTP	C2N-EU1	PC3-12	1129393.85	657974.82	2.8	1.9
WWTP	C2N-EU1	PC3-13	1129395.37	657918.544	0.29	0.29
WWTP	C2N-EU1	PC3-14	1129392.54	657866.75	2.2	2.2

Table 5-3. OU-4 Length-Weighted Nonresidential Subsurface (below 1 foot) Soil PCB Data
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Program	EU	Location ID	Northing	Easting	Maximum Total PCB (mg/kg)	Suburface Length Weighted Total PCB (mg/kg)
WWTP	C2N-EU1	PC3-15	1129392.99	657813.14	2.8	1.0
WWTP	C2N-EU1	PC3-21H	1129217.372	658510.9895	130	130
WWTP	C2N-EU1	PC3-22H	1129270.718	658511.5863	110	110
WWTP	C2N-EU1	PC3-23H	1129326.335	658511.2331	95	95

Subsurface (below 1 foot) Total PCB concentration calculated by the following equation:

$$Subsurface\ Total\ PCB\ Length\ Weighted\ Concentration = (\sum([Segment\ Concentration]\times[Segment\ Length]))/(\sum([All\ Segment\ Lengths]))$$

Subsurface maximum and Total PCB were rounded to 2 significant figures.
If parent/duplicate pair were both detected or both not detected, an average was taken using the reported results (reporting limit for nondetects).
If one of the parent/duplicate pair was detect and the other was nondetect, the detected result was used.
APCO FP: Alabama Power Company floodplain
EU: exposure unit
mg/kg: milligram(s) per kilogram
OU: operable unit
P1: Phase 1
P2: Phase 2
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act (RCRA) Facility Investigation
RI/FS: remedial investigation/feasibility study
WWTP: wastewater treatment plant

Table 5-4. OU-4 Sediment Mean Total PCB Concentrations by Reach and Sediment Texture
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Reach	Depth Interval	Grain Size Classification	Samples (n)	Mean Total PCBs (mg/kg)
Snow Creek - Highway 78 Bridge to Choccolocco Creek Confluence	All	Aggrading Bar	18	3.7
		Channel	9	7.4
		Terrace	8	1.6
Choccolocco Creek - Backwater Area (Upstream of Friendship Road)	Surface	Fine	22	8.8
		Coarse	15	0.37
		Gravel	2	0.55
	Subsurface	Fine	63	51
		Coarse	42	12
		Gravel	1	0.050
Choccolocco Creek - Friendship Road to Coldwater Creek	Surface	Fine	14	2.7
		Coarse	26	0.92
		Gravel	4	0.58
	Subsurface	Fine	15	1.8
		Coarse	21	0.49
Choccolocco Creek - Coldwater Creek to Cheaha Creek	Surface	Fine	30	1.7
		Coarse	42	0.53
		Gravel	3	0.073
	Subsurface	Fine	9	1.8
		Coarse	8	0.059
Choccolocco Creek - Cheaha Creek to Jackson Shoals	Surface	Fine	20	1.2
		Coarse	18	0.47
	Subsurface	Fine	17	0.53
		Coarse	14	0.32
Choccolocco Creek - Jackson Shoals	Surface	Fine	6	0.27
		Coarse	6	0.13
		Gravel	2	0.11
	Subsurface	Fine	8	0.28
		Coarse	6	0.10
Choccolocco Creek - Jackson Shoals to Lake Logan Martin	Surface	Fine	33	0.54
		Coarse	7	0.38
		Unclassified	4	0.28
	Subsurface	Fine	46	0.23
		Coarse	5	0.18

An average of parent/duplicate pairs was taken using the reported results (reporting limit for nondetects).
Mean total PCB concentrations were rounded to two significant figures.
Data were calculated using discrete sample results only.
mg/kg: milligram(s) per kilogram
n: sample count
OU: operable unit
PCB: polychlorinated biphenyl

Table 5-5. SWAC Calculation Details Table for PCB in Surface Sediments
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Reach	Sediment Texture	Core Locations (n)	Surface Area (acres)	PCB Samples (n)	Detected Samples (n)	Mean Surface PCB (mg/kg)	Max Surface PCB (mg/kg)	Mean PCB Area	Reach SWAC (mg/kg)
Snow Creek	Snow Creek	16	N/A	16	15	5.3	41	N/A	5.3 [1]
Backwater to Friendship Road	Fine	24	6.5	22	13	8.8	95	57.02	4.9
	Coarse	14	2.5	15	3	0.37	3.08	0.92	
	Gravel	8	2.4	2	2	0.55	0.81	1.30	
	No Recovery	2	0.7	0	N/A	0.05	N/A	0.04	
Friendship Road to Coldwater Creek	Fine	12	4.4	14	14	2.7	23.20	11.94	0.88
	Coarse	102	39.1	26	26	0.92	8.90	35.78	
	Gravel	30	13.4	4	4	0.58	1.45	7.77	
	No Recovery	16	6.9	0	N/A	0.05	N/A	0.34	
Coldwater Creek to Cheaha Creek	Fine	15	9.4	30	29	1.7	4.2	16.17	0.41
	Coarse	155	104.1	42	31	0.53	5.2	55.58	
	Gravel	26	16.5	3	2	0.07	0.09	1.21	
	No Recovery	92	54.6	0	N/A	0.05	N/A	2.73	
Cheaha Creek to Jackson Shoals	Fine	24	22.6	20	20	1.2	2.7	26.45	0.53
	Coarse	33	28.2	18	16	0.47	2.64	13.39	
	Gravel	2	1.4	0	N/A	**0.47**	N/A	0.66	
	No Recovery	33	27.4	0	N/A	0.05	N/A	1.37	
Jackson Shoals	Fine	6	6.4	6	3	0.3	0.8	1.70	0.10
	Coarse	6	6.3	6	5	0.13	0.49	0.84	
	Gravel	9	11.0	2	1	0.11	0.16	1.17	
	No Recovery	27	31.3	0	N/A	0.05	N/A	1.57	
Jackson Shoals to Lake Logan Martin	Fine	99	353.4	33	27	0.5	2.7	192.04	0.52
	Coarse	15	30.6	7	7	0.38	0.64	11.72	
	Gravel	19	35.4	0	N/A	**0.38**	N/A	13.53	
	No Recovery	0	0.0	0	N/A	0.05	N/A	0.00	

Areas of no sediment recovery were assumed to have an average PCB concentration of 0.05 mg/kg (approximate reporting limit for PCB).
Gravel areas without samples in a given reach were assumed to have a gravel PCB concentration equal to mean coarse sediment for that reach (values depicted in **Bold**).
1. Snow Creek value represents the average of 16 samples collected from individual deposits and are not spatially weighted.

mg/kg: milligram(s) per kilogram
n: number of samples
N/A: not applicable or not calculated
OU: operable unit
PCB: polychlorinated biphenyl
SWAC: spatially weighted average concentration = Σ (Mean PCB * Area) / Σ (Area)

Table 5-6. Whole-Body Fish Summary for PCBs and Mercury
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Biological Sampling Area	FOD	Min Detect (mg/kg)	Max Detect (mg/kg)	Mean (mg/kg)	Median (mg/kg)
Predator Fish					
PCBs - UAA	9/9	5.6	41	22.6	23.5
PCBs - MAA	9/9	11	32	20.3	17.2
PCBs - LAA	9/9	13	35	22.2	22
PCBs - Reference	9/9	0.04	4.9	1.25	0.32
Mercury - UAA	9/9	0.22	0.59	0.35	0.31
Mercury - MAA	9/9	0.25	0.53	0.40	0.39
Mercury - LAA	9/9	0.40	0.83	0.55	0.51
Mercury - Reference	9/9	0.17	0.63	0.31	0.28
Bottom Fish					
PCBs - UAA	9/9	10	19	15.1	15.5
PCBs - MAA	9/9	5.8	17	10.1	9.8
PCBs - LAA	9/9	7.3	21	14.4	14.7
PCBs - Reference	5/9	0.10	0.18	0.089	0.10
Mercury - UAA	9/9	0.08	0.24	0.13	0.12
Mercury - MAA	9/9	0.05	0.15	0.10	0.11
Mercury - LAA	9/9	0.09	0.35	0.18	0.17
Mercury - Reference	9/9	0.06	0.18	0.11	0.099
Forage Fish					
PCBs - UAA	27/27	1.74	10.4	5.12	4.60
PCBs - MAA	27/27	4.93	14.9	8.86	8.31
PCBs - LAA	27/27	4.20	12.6	7.87	7.98
PCBs - Reference	22/27	0.021	4.60	0.46	0.12
Mercury - UAA	27/27	0.011	0.066	0.039	0.04
Mercury - MAA	27/27	0.059	0.22	0.13	0.14
Mercury - LAA	27/27	0.052	0.28	0.15	0.13
Mercury - Reference	27/27	0.021	0.12	0.067	0.073

FOD: frequency of detection
LAA: lower assessment area
MAA: middle assessment area
mg/kg: milligrams per kilogram
max: maximum concentration
min: minimum concentration
OU: operable unit
PCB: polychlorinated biphenyl
UAA: upper assessment area

Table 7-1. Exposure Scenarios Evaluated per Exposure Unit
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Exposure Unit	Exposure Scenario	Receptors
C1-EU1	High contact recreational	Young child, adolescent, adult
C1-EU2	Low contact recreational Worker	Adolescent, adult Adult
C2N-EU1	Low contact recreational Worker	Adolescent, adult Adult
C3N-EU1	Low contact recreational	Adolescent, adult
C3N-EU2	Low contact recreational	Adolescent, adult
C3S-EU1	High contact recreational	Young child, adolescent, adult
C3S-EU2	High contact recreational	Young child, adolescent, adult
C4N-EU1	Low contact recreational Worker	Adolescent, adult Adult
C4N-EU2	Low contact recreational	Adolescent, adult
C4S-EU1	Low contact recreational	Adolescent, adult
C4S-EU2	Low contact recreational	Adolescent, adult
C4S-EU3	Low contact recreational	Adolescent, adult
C5N-EU1	Low contact recreational Worker	Adolescent, adult Adult
C5S-EU1	Low contact recreational	Adolescent, adult
C6N-EU1	Low contact recreational	Adolescent, adult
C6S-EU1	Low contact recreational	Adolescent, adult
C7S-EU1	Low contact recreational	Adolescent, adult
C8N-EU1	Low contact recreational	Adolescent, adult

Table 7-2. Noncancer Toxicity Data – Oral/Dermal
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Contaminant of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal (a)	Absorbed RfD for Dermal[a]		Primary Target Organs(s)	Combined Uncertainty/ Modifying Factors	RfD: Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Dates[b]
Total PCBs[c]	Chronic	2.0E-05	(mg/kg-day)	1.0	2.0E-05	(mg/kg-day)	Eyes, Immune system	300	IRIS	4/2/2012
PCB Dioxin-Like Congener TE	Chronic	7.0E-10	(mg/kg-day)	1.0	7.0E-10	(mg/kg-day)	Developmental	30	IRIS	3/27/2012
Mercury[d]	Chronic	3.0E-04	(mg/kg-day)	1.0	3.0E-04	(mg/kg-day)	Immune system	1,000	IRIS	4/2/2012
Methylmercury[e]	Chronic	1.0E-04	(mg/kg-day)	1.0	1.0E-04	(mg/kg-day)	Nervous system	10	IRIS	4/2/2012
Total PCBs[c]	Subchronic	6.0E-05	(mg/kg-day)	1.0	6.0E-05	(mg/kg-day)	Eyes, Immune system	100	IRIS[g]	6/13/2012
PCB Dioxin-like Congener TEQ	Subchronic	7.0E-10	(mg/kg-day)	1.0	7.0E-10	(mg/kg-day)	Developmental	30	IRIS[h]	6/13/2012
Mercury[d]	Subchronic	3.0E-03	(mg/kg-day)	1.0	3.0E-03	(mg/kg-day)	Immune system	100	IRIS[i]	6/13/2012
2,3,7,8-TCDD TEQ	Chronic	7.0E-10	(mg/kg-day)	1.0	7.0E-10	(mg/kg-day)	Developmental	30	IRIS	3/27/2012
Benzo(a)anthracene	---	NA	---	---	NA	---	---	---	---	---
Benzo(a)pyrene	---	NA	---	---	NA	---	---	---	---	---
Benzo(b)fluoranthene	---	NA	---	---	NA	---	---	---	---	---
Benzo(k)fluoranthene	---	NA	---	---	NA	---	---	---	---	---
Chrysene	---	NA	---	---	NA	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	NA	---	---	NA	---	---	---	---	---
Aluminum	Chronic	1.0E+00	(mg/kg-day)	1.0	1.0E+00	(mg/kg-day)	Nervous system	100	PPRTV	4/2/2012
Arsenic	Chronic	3.0E-04	(mg/kg-day)	1.0	3.0E-04	(mg/kg-day)	Skin	3	IRIS	4/2/2012
Chromium, Total[f]	Chronic	3.0E-03	(mg/kg-day)	0.025	7.5E-05	(mg/kg-day)	None observed	900	IRIS	4/2/2012
Cobalt	Chronic	3.0E-04	(mg/kg-day)	1.0	3.0E-04	(mg/kg-day)	Thyroid	3,000	PPRTV	4/2/2012
Iron	Chronic	7.0E-01	(mg/kg-day)	1.0	7.0E-01	(mg/kg-day)	Gastrointestinal	1.5	PPRTV	4/2/2012
Manganese	Chronic	2.4E-02	(mg/kg-day)	0.04	9.6E-04	(mg/kg-day)	Nervous system	3	IRIS	4/2/2012
2,3,7,8-TCDD TEQ	Subchronic	7.0E-10	(mg/kg-day)	1.0	7.0E-10	(mg/kg-day)	Developmental	30	IRIS[h]	6/13/2012
Benzo(a)anthracene	---	NA	(mg/kg-day)	---	NA	(mg/kg-day)	---	---	---	---
Benzo(a)pyrene	---	NA	(mg/kg-day)	---	NA	(mg/kg-day)	---	---	---	---
Benzo(b)fluoranthene	---	NA	(mg/kg-day)	---	NA	(mg/kg-day)	---	---	---	---
Benzo(k)fluoranthene	---	NA	(mg/kg-day)	---	NA	(mg/kg-day)	---	---	---	---
Chrysene	---	NA	(mg/kg-day)	---	NA	(mg/kg-day)	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	NA	(mg/kg-day)	---	NA	(mg/kg-day)	---	---	---	---
Aluminum	Subchronic	1.0E+00	(mg/kg-day)	1.0	1.0E+00	(mg/kg-day)	Nervous system	100	PPRTV[h]	6/13/2012
Arsenic	Subchronic	3.0E-04	(mg/kg-day)	1.0	3.0E-04	(mg/kg-day)	Skin	3	Chronic value	6/13/2012
Chromium, Total[f]	Subchronic	9.0E-03	(mg/kg-day)	0.025	2.3E-04	(mg/kg-day)	None observed	300	IRIS[g]	6/13/2012
Cobalt	Subchronic	3.0E-03	(mg/kg-day)	1.0	3.0E-03	(mg/kg-day)	Thyroid	300	PPTRV[i]	6/13/2012

Table 7-2. Noncancer Toxicity Data – Oral/Dermal
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Contaminant of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal (a)	Absorbed RfD for Dermal[a]		Primary Target Organs(s)	Combined Uncertainty/ Modifying Factors	RfD: Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Dates[b]
Iron	Subchronic	7.0E-01	(mg/kg-day)	1.0	7.0E-01	(mg/kg-day)	Gastrointestinal	1.5	PPRTV	6/13/2012
Manganese	Subchronic	2.4E-02	(mg/kg-day)	0.04	9.6E-04	(mg/kg-day)	Nervous system	3	Chronic value	6/13/2012

a. Source: RAGS Part E Guidance (USEPA 2004)
b. Represents date source was searched.
c. Aroclor 1254 toxicity criteria used.
d. Mercuric chloride toxicity criteria used. Applicable to soil-mediated exposures
e. Methylmercury toxicity values applicable to fish-mediated exposure only. Subchronic RfDs not presented because an age-adjusted approach (resulting in chronic exposure) was used for this pathway.
f. Chromium VI toxicity criteria used.
g. Chronic RfD times subchronic to chronic modifying factor of 3.
h. Chronic RfD times subchronic to chronic modifying factor of 1.
i. Chronic RfD times subchronic to chronic modifying factor of 10.

IRIS: Integrated Risk Information System
mg/kg-day: milligram(s) per kilogram per day
NA: Not available
PCB: polychlorinated biphenyl
PPRTV: provisional peer-reviewed toxicity value
RAGS: Risk Assessment Guidance for Superfund
RfD: reference dose
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalents
USEPA: United States Environmental Protection Agency

Table 7-3. Cancer Toxicity Data – Oral/Dermal
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Contaminant of Potential Concern	Oral CSF		Oral Absorption Efficiency for Dermal[a]	Absorbed CSF for Dermal[a]		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units		Value	Units		Source(s)	Dates[b]
Total PCBs[c]	2.00E+00	$(mg/kg\text{-}day)^{-1}$	1.0	2.00E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
Total PCBs[d]	1.00E+00	$(mg/kg\text{-}day)^{-1}$	1.0	1.00E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
PCB Dioxin-like Congener TEQ	1.30E+05	$(mg/kg\text{-}day)^{-1}$	1.0	1.30E+05	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA	4/2/2012
Mercury	NA	---	---	NA	---	D	IRIS	4/2/2012
2,3,7,8-TCDD TEQ	1.30E+05	$(mg/kg\text{-}day)^{-1}$	1.0	1.30E+05	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA	4/2/2012
Benzo(a)anthracene	7.30E-01	$(mg/kg\text{-}day)^{-1}$	1.0	7.30E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
Benzo(a)pyrene	7.30E+00	$(mg/kg\text{-}day)^{-1}$	1.0	7.30E+00	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
Benzo(b)fluoranthene	7.30E-01	$(mg/kg\text{-}day)^{-1}$	1.0	7.30E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
Benzo(k)fluoranthene	7.30E-02	$(mg/kg\text{-}day)^{-1}$	1.0	7.30E-02	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
Chrysene	7.30E-03	$(mg/kg\text{-}day)^{-1}$	1.0	7.30E-03	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
Indeno(1,2,3-cd)pyrene	7.30E-01	$(mg/kg\text{-}day)^{-1}$	1.0	7.30E-01	$(mg/kg\text{-}day)^{-1}$	B2	IRIS	4/2/2012
Aluminum	NA	---	---	NA	---	No information	---	---
Arsenic	1.50E+00	$(mg/kg\text{-}day)^{-1}$	1.0	1.50E+00	$(mg/kg\text{-}day)^{-1}$	A	IRIS	4/2/2012
Chromium, Total[e]	5.00E-01	$(mg/kg\text{-}day)^{-1}$	0.025	2.00E+01	$(mg/kg\text{-}day)^{-1}$	Likely to be carcinogenic	NJDEP	4/2/2012
Cobalt	NA	---	---	NA	---	No information	---	---
Iron	NA	---	---	NA	---	No information	---	---
Lead	NA	---	---	NA	---	B2	IRIS	4/2/2012
Manganese	NA	---	---	NA	---	D	IRIS	4/2/2012

a. Source: RAGS Part E Guidance (USEPA 2004)
b. Represents date source was searched.
c. The IRIS upper bound slope factor for high risk and persistence used for reasonable maximum exposure (RME) scenario.
d. The IRIS central-estimate slope factor used for central tendency exposure (CTE) scenario.
e. Chromium VI toxicity criteria used.
B2: Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans.
CalEPA: California Environmental Protection Agency
CSF: cancer slope factor
D: Not classifiable as a human carcinogen.
IRIS: Integrated Risk Information System
mg/kg-day: milligram(s) per kilogram per day
NA: Not available
NJDEP: New Jersey Department of Environmental Protection
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalents
USEPA: United States Environmental Protection Agancy

Table 7-4. Exposure Point Concentration Summary - Location A Fish
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Fish Tissue
Exposure Medium: Location A Fish Tissue

Exposure Point	Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Group A	**All Species**								
	Total PCBs	mg/kg	2.11	2.38	9.47	2.38	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.000012	0.000016	0.000032	0.000016	mg/kg	95% Student's-t UCL - Normal	ProUCL Recommendation
	2,3,7,8-TCDD TEQ	mg/kg	0.0000029	0.0000051	0.000011	0.0000051	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	Mercury	mg/kg	0.28	0.32	0.87	0.32	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	Bass								
	Total PCBs	mg/kg	2.2	2.75	9.5	2.75	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.000015	NC	0.000021	0.000021	mg/kg	75th Percentile[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.0000031	NC	0.0000048	0.0000039	mg/kg	75th Percentile[a]	See Text
	Mercury	mg/kg	0.42	0.48	0.87	0.48	mg/kg	95% H-UCL - Lognormal	ProUCL Recommendation
	Catfish								
	Total PCBs	mg/kg	2.44	2.97	5.8	2.97	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000042	NC	0.0000058	0.0000058	mg/kg	Maximum[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.00000091	NC	0.00000093	0.00000093	mg/kg	Maximum[a]	See Text
	Mercury	mg/kg	0.16	0.19	0.43	0.19	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	Panfish								
	Total PCBs	mg/kg	1.69	2.1	4.4	2.11	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.000011	NC	0.000032	0.000013	mg/kg	75th Percentile[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.0000036	NC	0.000011	0.0000050	mg/kg	75th Percentile[a]	See Text
	Mercury	mg/kg	0.27	0.34	0.70	0.34	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation

a. The maximum concentration used for exposure point concentration due to less than 3 samples collected; the 75th percentile used for exposure point concentration when 3-7 samples collected.
95% UCL: 95 percent upper confidence limit on the mean
mg/kg: milligram(s) per kilogram
NC: not calculated due to insufficient sample size.
PCB: polychlorinated biphenyl
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalents

Table 7-5. Exposure Point Concentration Summary - Location B Fish
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Fish Tissue
Exposure Medium: Location B Fish Tissue

Exposure Point	Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
						Value	Units	Statistic - Data Distribution	Rationale
Group B	**All Species**								
	Total PCBs	mg/kg	2.51	2.88	11.8	2.88	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000065	NC	0.000010	0.0000074	mg/kg	75th Percentile[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.0000014	NC	0.0000024	0.0000017	mg/kg	75th Percentile[a]	See Text
	Mercury	mg/kg	0.43	0.48	1.3	0.48	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	Bass								
	Total PCBs	mg/kg	2.9	4.77	11.8	4.77	mg/kg	95% Chebyshev (Mean, Sd) UCL - Not Discernabl	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000084	NC	0.000010	0.000010	mg/kg	Maximum[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.0000017	NC	0.0000024	0.0000024	mg/kg	Maximum[a]	See Text
	Mercury	mg/kg	0.68	0.77	1.3	0.77	mg/kg	95% Student's-t UCL - Normal	ProUCL Recommendation
	Catfish								
	Total PCBs	mg/kg	3.09	4.01	10.8	4.01	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000051	NC	0.0000051	0.0000051	mg/kg	Maximum[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.00000087	NC	0.00000087	0.00000087	mg/kg	Maximum[a]	See Text
	Mercury	mg/kg	0.36	0.44	1.3	0.44	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	Panfish								
	Total PCBs	mg/kg	1.55	1.86	4.4	1.86	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000041	NC	0.0000041	0.0000041	mg/kg	Maximum[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.0000015	NC	0.0000015	0.0000015	mg/kg	Maximum[a]	See Text
	Mercury	mg/kg	0.25	0.28	0.51	0.28	mg/kg	95% Student's-t UCL - Normal	ProUCL Recommendation

a. The maximum concentration used for exposure point concentration due to less than 3 samples collected; the 75th percentile used for exposure point concentration when 3-7 samples collected.
95% UCL: 95 percent upper confidence limit on the mean
EPC: exposure point concentration
mg/kg: milligram(s) per kilogram
NC: not calculated due to insufficient sample size.
PCB: polychlorinated biphenyl
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalent

Table 7-6. Exposure Point Concentration Summary - Location C Fish
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Fish Tissue
Exposure Medium: Location C Fish Tissue

Exposure Point	Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Group C	**All Species**								
	Total PCBs	mg/kg	4.35	5.43	34	5.43	mg/kg	95% Chebyshev (Mean, Sd) UCL - Not Discernable	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000069	0.0000083	0.000018	0.0000083	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	2,3,7,8-TCDD TEQ	mg/kg	0.00000068	0.00000079	0.0000014	0.00000079	mg/kg	95% Student's-t UCL - Normal	ProUCL Recommendation
	Mercury	mg/kg	0.39	0.43	1.9	0.43	mg/kg	95% KM (BCA) UCL - Lognormal	ProUCL Recommendation
	Bass								
	Total PCBs	mg/kg	4.75	5.24	14.9	5.24	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000073	NC	0.000010	0.0000081	mg/kg	75th Percentile[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.00000077	NC	0.0000011	0.00000077	mg/kg	75th Percentile[a]	See Text
	Mercury	mg/kg	0.64	0.71	1.9	0.71	mg/kg	95% Student's-t UCL - Normal	ProUCL Recommendation
	Catfish								
	Total PCBs	mg/kg	5.61	6.68	34	6.68	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000075	NC	0.000012	0.0000088	mg/kg	75th Percentile[a]	See Text
	2,3,7,8-TCDD TEQ	mg/kg	0.00000091	NC	0.0000014	0.0000010	mg/kg	75th Percentile[a]	See Text
	Mercury	mg/kg	0.29	0.33	0.89	0.33	mg/kg	95% KM (BCA) UCL - Gamma	ProUCL Recommendation
	Panfish								
	Total PCBs	mg/kg	2.94	3.32	10.4	3.32	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	PCB Dioxin-Like Congener TEQ	mg/kg	0.0000064	0.0000094	0.000018	0.0000094	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation
	2,3,7,8-TCDD TEQ	mg/kg	0.00000053	0.00000062	0.00000072	0.00000062	mg/kg	95% Student's-t UCL - Normal	ProUCL Recommendation
	Mercury	mg/kg	0.24	0.27	0.53	0.27	mg/kg	95% Approximate Gamma UCL - Gamma	ProUCL Recommendation

a. The maximum concentration used for exposure point concentration due to less than 3 samples collected; the 75th percentile used for exposure point concentration when 3–7 samples collected.
95% UCL: 95 percent upper confidence limit on the mean
BCA: bias-corrected accelerated
KM: Kaplan-Meier
mg/kg: milligram(s) per kilogram
NC: not calculated due to insufficient sample size.
PCB: polychlorinated biphenyl
Sd: standard deviation
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalents

Table 7-7. Summary of Cancer Risks and Hazard Indices – RME Scenario – Primary Contaminants of Potential Concern
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location Grouping	Species	Cancer Risk	Hazard Index	PCB Dioxin-Like Congener TEQ	
		Total PCBs	Total PCBs and Mercury	Cancer Risk	HQ
A	All Fish	1E-03	64	5E-04	12
	Bass	1E-03	74	6E-04	15
	Catfish	1E-03	78	2E-04	4
	Panfish	9E-04	57	4E-04	9
B	All Fish	6E-04	39	1E-04	3
	Bass	1E-03	64	1E-04	4
	Catfish	9E-04	53	7E-05	2
	Panfish	4E-04	25	6E-05	2
C	All Fish	1E-03	72	1E-04	3
	Bass	1E-03	70	1E-04	3
	Catfish	1E-03	88	1E-04	3
	Panfish	7E-04	44	1E-04	4

: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard index greater than 1.0.
HQ: hazard quotient
PCB: polychlorinated biphenyl
RME: reasonable maximum exposure
TEQ: toxic equivalents

Table 7-8. Summary of Cancer Risks and Hazard Indices – RME Scenario – TEQs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location Grouping	Species	Cancer Risk			Contribution of PCB Dioxin-Like Congener to Total TEQ Risk	HQ			Contribution of PCB Dioxin-Like Congener to Total TEQ HQ
		PCB Dioxin-Like Congener TEQ	2,3,7,8-TCDD TEQ	Total		PCB Dioxin-Like Congener TEQ	2,3,7,8-TCDD TEQ	Total	
A	All Fish	5E-04	1E-04	6E-04	76%	12	4	16	76%
	Bass	6E-04	1E-04	7E-04	84%	15	3	18	84%
	Catfish	2E-04	3E-05	2E-04	86%	4	0.7	5	86%
	Panfish	4E-04	1E-04	5E-04	71%	9	4	13	71%
B	All Fish	1E-04	3E-05	1E-04	81%	3	0.6	3	81%
	Bass	1E-04	4E-05	2E-04	81%	4	0.9	5	81%
	Catfish	7E-05	1E-05	9E-05	85%	2	0.3	2	85%
	Panfish	6E-05	2E-05	8E-05	73%	2	0.6	2	73%
C	All Fish	1E-04	1E-05	1E-04	91%	3	0.3	3	91%
	Bass	1E-04	1E-05	1E-04	91%	3	0.3	3	91%
	Catfish	1E-04	2E-05	1E-04	89%	3	0.4	4	89%
	Panfish	1E-04	9E-06	1E-04	94%	4	0.2	4	94%

: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.
HQ: hazard quotient
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalent
PCB: polychlorinated biphenyl
RME: reasonable maximum exposure

Table 7-9. Summary of Cancer Risks and Hazard Indices – CTE Scenario – Primary Contaminants of Potential Concern
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location Grouping	Species	Cancer Risk	Hazard Index	PCB Dioxin-Like Congener TEQ	
		Total PCBs	Total PCBs and Mercury	Cancer Risk	HQ
A	All Fish	5E-05	6	4E-05	1
	Bass	6E-05	7	6E-05	1
	Catfish	6E-05	7	2E-05	0.4
	Panfish	4E-05	5	3E-05	0.9
B	All Fish	6E-05	7	2E-05	0.5
	Bass	1E-04	12	3E-05	0.7
	Catfish	8E-05	10	1E-05	0.4
	Panfish	4E-05	5	1E-05	0.3
C	All Fish	1E-04	14	2E-05	0.6
	Bass	1E-04	13	2E-05	0.6
	Catfish	1E-04	17	2E-05	0.6
	Panfish	7E-05	8	3E-05	0.7

No Fill: hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard index greater than 1.0.
CTE: central tendency exposure
HQ: hazard quotient
PCB: polychlorinated biphenyl

Table 7-10. Summary of Cancer Risks and Hazard Indices - CTE Scenario - TEQs
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Location Grouping	Species	Cancer Risk			Contribution of PCB Dioxin-Like Congener to Total TEQ Risk	HQ			Contribution of PCB Dioxin-Like Congener to Total TEQ HQ
		PCB Dioxin-Like Congener TEQ	2,3,7,8-TCDD TEQ	Total		PCB Dioxin-Like Congener TEQ	2,3,7,8-TCDD TEQ	Total	
A	All Fish	4E-05	1E-05	6E-05	76%	1	0.4	2	76%
	Bass	6E-05	1E-05	7E-05	84%	1	0.3	2	84%
	Catfish	2E-05	3E-06	2E-05	86%	0.4	0.07	0.5	86%
	Panfish	3E-05	1E-05	5E-05	71%	0.9	0.4	1	71%
B	All Fish	2E-05	5E-06	2E-05	81%	0.5	0.1	0.6	81%
	Bass	3E-05	7E-06	3E-05	81%	0.7	0.2	0.9	81%
	Catfish	1E-05	2E-06	2E-05	85%	0.4	0.06	0.4	85%
	Panfish	1E-05	4E-06	2E-05	73%	0.3	0.1	0.4	73%
C	All Fish	2E-05	2E-06	2E-05	91%	0.6	0.06	0.6	91%
	Bass	2E-05	2E-06	2E-05	91%	0.6	0.05	0.6	91%
	Catfish	2E-05	3E-06	3E-05	89%	0.6	0.07	0.7	89%
	Panfish	3E-05	2E-06	3E-05	94%	0.7	0.04	0.7	94%

No Fill: hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.
CTE: central tendency exposure
HQ: hazard quotient
PCB: polychlorinated biphenyl
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalents

Table 7-11. Exposure Point Concentration Summary – Total PCBs and Mercury – Surface Soil
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Soil
Exposure Medium: Surface Soil

Exposure Unit	Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
C1-EU1	Total PCBs	mg/kg	5.69E+00	1.05E+01	5.46E+01	1.05E+01	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
C1-EU2	Total PCBs	mg/kg	3.16E+01	4.61E+01	2.28E+02	4.61E+01	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C2N-EU1	Total PCBs	mg/kg	6.72E+00	1.63E+01	7.25E+01	1.63E+01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
	Mercury	mg/kg	3.74E-01	1.33E+00	1.65E+00	1.33E+00	mg/kg	97.5% Chebyshev (Mean, Sd) UCL	See Text
C3N-EU1	Total PCBs	mg/kg	1.20E+01	2.32E+01	8.95E+01	2.32E+01	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	2.58E+00	3.32E+00	1.44E+01	3.32E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C3N-EU2	Total PCBs	mg/kg	1.07E+01	3.69E+01	7.09E+01	3.69E+01	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.49E+00	4.62E+00	6.14E+00	4.62E+00	mg/kg	95% Adjusted Gamma UCL	ProUCL Recommendation
C3S-EU1	Total PCBs	mg/kg	1.07E+01	1.95E+01	1.27E+02	1.95E+01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.63E+00	8.96E+00	1.89E+01	8.96E+00	mg/kg	99% KM (Chebyshev) UCL	ProUCL Recommendation
C3S-EU2	Total PCBs	mg/kg	9.40E+00	2.36E+01	6.94E+01	2.36E+01	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	2.34E+00	3.90E+00	1.35E+01	3.90E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C4N-EU1	Total PCBs	mg/kg	3.42E+00	8.12E+00	2.53E+01	8.12E+00	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.32E+00	2.28E+00	8.95E+00	2.28E+00	mg/kg	95% H-UCL	ProUCL Recommendation
C4N-EU2	Total PCBs	mg/kg	1.94E+00	8.50E+00	1.99E+01	8.50E+00	mg/kg	99% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.04E+00	2.74E+00	1.38E+01	2.74E+00	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL Recommendation
C4S-EU1	Total PCBs	mg/kg	7.49E+00	1.63E+01	4.29E+01	1.63E+01	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	2.27E+00	3.47E+00	9.15E+00	3.47E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C4S-EU2	Total PCBs	mg/kg	1.71E+00	2.51E+00	1.01E+01	2.51E+00	mg/kg	95% KM (BCA) UCL	ProUCL Recommendation
	Mercury	mg/kg	8.45E-01	1.27E+00	4.95E+00	1.27E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C4S-EU3	Total PCBs	mg/kg	2.33E+00	5.50E+00	1.63E+01	5.50E+00	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.09E+00	1.69E+00	4.25E+00	1.69E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C5N-EU1	Total PCBs	mg/kg	2.54E+00	6.05E+00	9.01E+00	6.05E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
	Mercury	mg/kg	1.06E+00	1.51E+00	2.20E+00	1.51E+00	mg/kg	95% Student's-t UCL	ProUCL Recommendation
C5S-EU1	Total PCBs	mg/kg	8.85E-01	1.33E+00	1.45E+01	1.33E+00	mg/kg	95% KM (t) UCL	ProUCL Recommendation
	Mercury	mg/kg	4.72E-01	8.86E-01	4.65E+00	8.86E-01	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL Recommendation
C6N-EU1	Total PCBs	mg/kg	1.31E+00	2.14E+00	7.90E+00	2.14E+00	mg/kg	95% KM (BCA) UCL	ProUCL Recommendation
	Mercury	mg/kg	7.84E-01	1.41E+00	4.40E+00	1.41E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C6S-EU1	Total PCBs	mg/kg	1.38E+00	2.88E+00	1.64E+01	2.88E+00	mg/kg	95% KM (BCA) UCL	ProUCL Recommendation
	Mercury	mg/kg	9.66E-01	2.95E+00	9.35E+00	2.95E+00	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL Recommendation

Table 7-11. Exposure Point Concentration Summary – Total PCBs and Mercury – Surface Soil
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Soil
Exposure Medium: Surface Soil

Exposure Unit	Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
C7S-EU1	Total PCBs	mg/kg	5.20E-01	1.32E+00	9.85E+00	1.32E+00	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.85E-01	6.77E-01	2.98E+00	6.77E-01	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL Recommendation
C8N-EU1	Total PCBs	mg/kg	1.31E+00	3.09E+00	8.13E+00	3.09E+00	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.23E+00	1.57E+00	5.20E+00	1.57E+00	mg/kg	75th Percentile	See Text

95% UCL: 95 percent upper confidence limit on the mean
BCA: bias-corrected accelerated
EU: exposure unit
KM: Kaplan-Meier
mg/kg: milligram(s) per kilogram
Sd: standard deviation

Table 7-12. Exposure Point Concentration Summary – Total PCBs and Mercury – Total Soil
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Soil
Exposure Medium: Total Soil

Exposure Unit	Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
C1-EU2	Total PCBs	mg/kg	4.79E+01	6.69E+01	1.72E+02	6.69E+01	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
C2N-EU1	Total PCBs	mg/kg	1.38E+01	3.62E+01	1.71E+02	3.62E+01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
	Mercury	mg/kg	3.74E-01	1.33E+00	1.65E+00	1.33E+00	mg/kg	97.5% Chebyshev (Mean, Sd) UCL	See Text
C4N-EU1	Total PCBs	mg/kg	2.71E+00	6.08E+00	1.60E+01	6.08E+00	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	1.26E+00	2.12E+00	8.95E+00	2.12E+00	mg/kg	95% H-UCL	ProUCL Recommendation
C5N-EU1	Total PCBs	mg/kg	3.83E+00	1.19E+01	2.26E+01	1.19E+01	mg/kg	95% Adjusted Gamma UCL	ProUCL Recommendation
	Mercury	mg/kg	1.06E+00	1.51E+00	2.20E+00	1.51E+00	mg/kg	95% Student's-t UCL	ProUCL Recommendation

95% UCL: 95 percent upper confidence on the mean
KM: Kaplan-Meier
mg/kg: milligram(s) per kilogram

Table 7-13. Exposure Point Concentration Summary – Total PCBs and Mercury in Agricultural Exposure Units – Surface Soil
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Soil
Exposure Medium: Surface Soil

Exposure Unit	Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Ag-EU1	Total PCBs	mg/kg	2.14E+01	4.25E+01	1.27E+02	4.25E+01	mg/kg	95% KM (BCA) UCL	ProUCL Recommendation
	Mercury	mg/kg	3.30E+00	1.34E+01	1.89E+01	1.34E+01	mg/kg	97.5% Chebyshev (Mean, Sd) UCL	See Text
Ag-EU2	Total PCBs	mg/kg	1.11E+01	2.23E+01	8.95E+01	2.23E+01	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	2.44E+00	3.15E+00	1.15E+01	3.15E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
Ag-EU3	Total PCBs	mg/kg	9.57E+00	2.87E+01	4.29E+01	2.87E+01	mg/kg	95% Adjusted Gamma UCL	ProUCL Recommendation
	Mercury	mg/kg	2.60E+00	4.97E+00	9.15E+00	4.97E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
Ag-EU4	Total PCBs	mg/kg	9.64E-01	1.74E+00	4.63E+00	1.74E+00	mg/kg	95% KM (t) UCL	ProUCL Recommendation
	Mercury	mg/kg	4.99E-01	1.66E+00	2.30E+00	1.66E+00	mg/kg	97.5% Chebyshev (Mean, Sd) UCL	See Text
Ag-EU5	Total PCBs	mg/kg	1.83E+00	5.29E+00	1.63E+01	5.29E+00	mg/kg	95% KM (Chebyshev) UCL	ProUCL Recommendation
	Mercury	mg/kg	9.71E-01	1.65E+00	4.25E+00	1.65E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
Ag-EU6	Total PCBs	mg/kg	1.41E-01	4.08E-02	1.15E+00	4.08E-02	mg/kg	75th Percentile	See Text
	Mercury	mg/kg	8.34E-02	2.14E-01	3.75E-01	2.14E-01	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL Recommendation
Ag-EU7	Total PCBs	mg/kg	5.45E-01	7.97E-01	1.41E+00	7.97E-01	mg/kg	75th Percentile	See Text
	Mercury	mg/kg	3.85E-01	5.25E-01	7.05E-01	5.25E-01	mg/kg	75th Percentile	See Text
Ag-EU8	Total PCBs	mg/kg	4.00E-01	4.44E-01	1.37E+00	4.44E-01	mg/kg	75th Percentile	See Text
	Mercury	mg/kg	6.07E-01	1.20E+00	1.40E+00	1.20E+00	mg/kg	75th Percentile	See Text

BCA: bias-corrected accelerated
KM: Kaplan-Meier
mg/kg: milligram(s) per kilogram
Sd: standard deviation
UCL: upper confidence limit on the mean

Table 7-14. Exposure Point Concentration Summary – Other Contaminants of Potential Concern – Surface Soil
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Contaminant of Potential Concern	Units	Arithmetic Mean	95% UCL	Maximum Concentration	Exposure Point Concentration			
					Value	Units	Statistic	Rationale
PCDD/DF Congener								
2,3,7,8-TCDD TEQ	mg/kg	2.12E-05	2.50E-05	1.74E-04	2.50E-05	mg/kg	95% KM (BCA) UCL	ProUCL Recommendation
PAHs								
Benzo(a)anthracene	mg/kg	2.32E-01	1.37E-01	2.05E-01	1.37E-01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
Benzo(a)pyrene	mg/kg	2.45E-01	1.20E-01	2.07E-01	1.20E-01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
Benzo(b)fluoranthene	mg/kg	2.36E-01	6.37E-02	8.25E-02	6.37E-02	mg/kg	95% KM (t) UCL	ProUCL Recommendation
Benzo(k)fluoranthene	mg/kg	2.47E-01	1.25E-01	2.06E-01	1.25E-01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
Chrysene	mg/kg	2.17E-01	1.32E-01	1.92E-01	1.32E-01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
Indeno(1,2,3-cd)pyrene	mg/kg	2.88E-01	1.51E-01	2.00E-01	1.51E-01	mg/kg	95% KM (t) UCL	ProUCL Recommendation
Inorganics								
Aluminum	mg/kg	1.12E+04	1.27E+04	1.72E+04	1.27E+04	mg/kg	95% Student's-t UCL	ProUCL Recommendation
Arsenic	mg/kg	6.86E+00	7.46E+00	1.85E+01	7.46E+00	mg/kg	95% Student's-t UCL	ProUCL Recommendation
Chromium	mg/kg	1.69E+01	1.87E+01	6.75E+01	1.87E+01	mg/kg	95% H-UCL	ProUCL Recommendation
Cobalt	mg/kg	8.81E+00	9.47E+00	2.52E+01	9.47E+00	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
Iron	mg/kg	1.92E+04	2.43E+04	4.28E+04	2.43E+04	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation
Manganese	mg/kg	8.57E+02	9.64E+02	4.31E+03	9.64E+02	mg/kg	95% Approximate Gamma UCL	ProUCL Recommendation

95% UCL: 95 percent upper confidence limit on the mean
BCA: bias-corrected accelerated
KM: Kaplan-Meier
mg/kg: milligram(s) per kilogram
PAH: polycyclic aromatic hydrocarbon
PCDD/DF: dioxin and furan
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalents

Table 7-15. Summary of Cancer Risks and Noncancer Hazard Indices from Primary Contaminants of Potential Concern – RME
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Exposure Unit	Exposure Scenario	Receptor	Cancer Risk (Total PCBs)	Hazard Index (Total PCBs and Mercury)	Cancer Risk (PCB Dioxin-Like Congener TEQ)	Hazard Index (PCB Dioxin-Like Congener TEQ)
C1-EU1	High contact recreational	Young child	4E-06	0.4	5E-07	0.06
		Adolescent	3E-06	0.5	4E-07	0.03
		Adult	2E-06	0.1	2E-07	0.006
C1-EU2	Low contact recreational	Adolescent	7E-06	1	9E-07	0.07
		Adult	4E-06	0.2	5E-07	0.01
	Worker	Adult	1E-07	0.2	2E-08	0.01
C2N-EU1	Low contact recreational	Adolescent	2E-06	0.4	3E-07	0.02
		Adult	1E-06	0.08	2E-07	0.005
	Worker	Adult	6E-08	0.1	8E-09	0.006
C3N-EU1	Low contact recreational	Adolescent	3E-06	0.6	4E-07	0.03
		Adult	2E-06	0.1	2E-07	0.006
C3N-EU2	Low contact recreational	Adolescent	5E-06	0.6	4E-07	0.03
		Adult	3E-06	0.1	2E-07	0.006
C3S-EU1	High contact recreational	Young child	7E-06	1	9E-07	0.1
		Adolescent	6E-06	1	7E-07	0.06
		Adult	3E-06	0.2	4E-07	0.01
C3S-EU2	High contact recreational	Young child	8E-06	1	3E-06	0.3
		Adolescent	7E-06	1	2E-06	0.2
		Adult	4E-06	0.2	1E-06	0.03
C4N-EU1	Low contact recreational	Adolescent	1E-06	0.2	2E-07	0.01
		Adult	7E-07	0.04	1E-07	0.003
	Worker	Adult	1E-08	0.02	2E-09	0.001
C4N-EU2	Low contact recreational	Adolescent	1E-06	0.2	2E-07	0.01
		Adult	7E-07	0.04	1E-07	0.003
C4S-EU1	Low contact recreational	Adolescent	2E-06	0.4	4E-07	0.03
		Adult	1E-06	0.09	2E-07	0.006
C4S-EU2	Low contact recreational	Adolescent	4E-07	0.06	5E-08	0.004
		Adult	2E-07	0.01	3E-08	0.0007
C4S-EU3	Low contact recreational	Adolescent	8E-07	0.1	1E-07	0.008
		Adult	5E-07	0.03	6E-08	0.002
C5N-EU1	Low contact recreational	Adolescent	9E-07	0.2	1E-07	0.009
		Adult	5E-07	0.03	7E-08	0.002
	Worker	Adult	2E-08	0.04	3E-09	0.002
C5S-EU1	Low contact recreational	Adolescent	2E-07	0.03	2E-08	0.002
		Adult	1E-07	0.007	1E-08	0.0004
C6N-EU1	Low contact recreational	Adolescent	3E-07	0.05	4E-08	0.003
		Adult	2E-07	0.01	2E-08	0.0006

Table 7-15. Summary of Cancer Risks and Noncancer Hazard Indices from Primary Contaminants of Potential Concern – RME
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Exposure Unit	Exposure Scenario	Receptor	Cancer Risk (Total PCBs)	Hazard Index (Total PCBs and Mercury)	Cancer Risk (PCB Dioxin-Like Congener TEQ)	Hazard Index (PCB Dioxin-Like Congener TEQ)
C6S-EU1	Low contact recreational	Adolescent	4E-07	0.07	5E-08	0.004
		Adult	3E-07	0.02	3E-08	0.0008
C7S-EU1	Low contact recreational	Adolescent	2E-07	0.03	2E-08	0.002
		Adult	1E-07	0.007	1E-08	0.0004
C8N-EU1	Low contact recreational	Adolescent	4E-07	0.08	7E-08	0.005
		Adult	3E-07	0.02	4E-08	0.001

No Fill: total cancer risk less than 1E-06 or total hazard index less than or equal to 1.0.
: total cancer risk between 1E-06 and 1E-04.
: total cancer risk greater than 1E-4 or total hazard index greater than 1.0.
COPC: contaminant of potential concern
EU: exposure unit
PCB: polychlorinated biphenyl
RME: reasonable maximum exposure
TEQ: toxic equivalent

Table 7-16. Summary of Cancer Risks and Noncancer Hazard Indices from Primary Contaminants of Potential Concern – Agricultural Exposure Units – RME
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Exposure Unit	Exposure Scenario	Receptor	Cancer Risk (Total PCBs)	Hazard Index (Total PCBs and Mercury)	Cancer Risk (PCB Dioxin-Like Congener TEQ)	Hazard Index (PCB Dioxin-Like Congener TEQ)
Ag-EU1	Farmer	Adult	3E-06	0.1	3E-07	0.007
Ag-EU2	Farmer	Adult	1E-06	0.06	2E-07	0.004
Ag-EU3	Farmer	Adult	2E-06	0.08	2E-07	0.005
Ag-EU4	Farmer	Adult	1E-07	0.005	1E-08	0.0003
Ag-EU5	Farmer	Adult	3E-07	0.01	4E-08	0.0008
Ag-EU6	Farmer	Adult	3E-09	0.0002	8E-11	0.000002
Ag-EU7	Farmer	Adult	5E-08	0.002	6E-09	0.0001
Ag-EU8	Farmer	Adult	3E-08	0.002	3E-09	0.00006

No Fill: total cancer risk less than 1E-06 or total hazard index less than or equal to 1.0.
: total cancer risk between 1E-06 and 1E-04.
PCB: polychlorinated biphenyl
RME: reasonable maximum exposure
TEQ: toxic equivalent

Table 7-17. Site-Wide Cancer Risks from Other Contaminants of Potential Concern (RME)
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Contaminant of Potential Concern	Exposure Point Concentration (mg/kg)	CSF $(mg/kg\text{-}day)^{-1}$	Cancer Risks					
			High Contact Recreational Exposure			Low Contact Recreational Exposure		
			Young Child	Adolescent	Adult	Young Child	Adolescent	Adult
PCDD/DF Congener								
2,3,7,8-TCDD TEQ	2.50E-05	1.30E+05	1E-06	5E-07	6E-07	6E-07	2E-07	3E-07
PAHs								
Benzo(a)anthracene	1.37E-01	7.30E-01	5E-08	3E-08	2E-08	3E-08	2E-08	1E-08
Benzo(a)pyrene	1.20E-01	7.30E+00	4E-07	3E-07	2E-07	2E-07	1E-07	1E-07
Benzo(b)fluoranthene	6.37E-02	7.30E-01	2E-08	2E-08	1E-08	1E-08	8E-09	6E-09
Benzo(k)fluoranthene	1.25E-01	7.30E-02	5E-09	3E-09	2E-09	2E-09	2E-09	1E-09
Chrysene	1.32E-01	7.30E-03	5E-10	3E-10	2E-10	2E-10	2E-10	1E-10
Indeno(1,2,3-cd)pyrene	1.51E-01	7.30E-01	6E-08	4E-08	3E-08	3E-08	2E-08	1E-08
Inorganics								
Aluminum	1.27E+04	NA	NA	NA	NA	NA	NA	NA
Arsenic	7.46E+00	1.50E+00	4E-06	2E-06	2E-06	2E-06	8E-07	1E-06
Chromium	1.87E+01	5.00E-01	3E-06	8E-07	2E-06	2E-06	4E-07	8E-07
Cobalt	9.47E+00	NA	NA	NA	NA	NA	NA	NA
Iron	2.43E+04	NA	NA	NA	NA	NA	NA	NA
Manganese	9.64E+02	NA	NA	NA	NA	NA	NA	NA
		Total:	9E-06	3E-06	5E-06	4E-06	2E-06	2E-06

Cancer risks are based on the incidental ingestion and dermal contact exposure pathways.
Chromium CSF is based on hexavalent form.
CSF: cancer slope factor
mg/kg: milligram(s) per kilogram
mg/kg-day: milligram(s) per kilogram per day
NA: Not available
PAH: polycyclic aromatic hydrocarbon
PCDD/DF: dioxin and furan
RME: reasonable maximum exposure
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalent

Table 7-18. Site-Wide Noncancer Hazard Indices from Other Contaminants of Potential Concern (RME)
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Contaminant of Potential Concern	Exposure Point Concentration (mg/kg)	RfD (mg/kg-day)	Hazard Indices					
			High Contact Recreational Exposure			Low Contact Recreational Exposure		
			Young Child	Adolescent	Adult	Young Child	Adolescent	Adult
PCDD/DF Congener								
2,3,7,8-TCDD TEQ	2.50E-05	7.00E-10	0.2	0.04	0.02	0.08	0.02	0.008
PAHs								
Benzo(a)anthracene	1.37E-01	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1.20E-01	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	6.37E-02	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	1.25E-01	NA	NA	NA	NA	NA	NA	NA
Chrysene	1.32E-01	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	1.51E-01	NA	NA	NA	NA	NA	NA	NA
Inorganics								
Aluminum	1.27E+04	1.00E+00	0.05	0.008	0.005	0.02	0.004	NA
Arsenic	7.46E+00	3.00E-04	0.1	0.03	0.01	0.05	0.01	0.006
Chromium	1.87E+01	3.00E-03	0.02	0.004	0.003	0.01	0.002	0.001
Cobalt	9.47E+00	3.00E-04	0.1	0.02	0.01	0.06	0.01	0.006
Iron	2.43E+04	7.00E-01	0.1	0.02	0.01	0.07	0.01	0.007
Manganese	9.64E+02	2.40E-02	0.2	0.03	0.02	0.08	0.01	0.008
		Total:	0.7	0.1	0.08	0.4	0.07	0.04

Presented hazard indices are based on the incidental ingestion and dermal contact exposure pathways.
Chromium RfD is based on hexavalent form.
mg/kg: milligram(s) per kilogram
NA: Not available
PAH: polycyclic aromatic hydrocarbon
PCDD/DF: dioxin and furan
RfD: reference dose
RME: reasonable maximum exposure
TCDD: tetrachlorodibenzo-p-dioxin
TEQ: toxic equivalent

Table 7-19. Vegetable Ingestion Risk Matrix
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Fraction Ingested from Floodplain/Vegetable Growing Scenario	Cancer Risk Total PCB Soil Concentration (mg/kg)				HQ Total PCB Soil Concentration (mg/kg)			
	1	5	20	40	1	5	20	40
100%								
Aboveground	5E-07	2E-06	1E-05	2E-05	0.02	0.1	0.4	0.9
Root	6E-07	3E-06	1E-05	2E-05	0.03	0.1	0.5	1
Total	1E-06	5E-06	2E-05	4E-05	0.05	0.2	1	2
75%								
Aboveground	4E-07	2E-06	7E-06	1E-05	0.02	0.08	0.3	0.6
Root	5E-07	2E-06	9E-06	2E-05	0.02	0.10	0.4	0.8
Total	8E-07	4E-06	2E-05	3E-05	0.04	0.2	0.7	1
50%								
Aboveground	2E-07	1E-06	5E-06	1E-05	0.01	0.05	0.2	0.4
Root	3E-07	2E-06	6E-06	1E-05	0.01	0.07	0.3	0.5
Total	5E-07	3E-06	1E-05	2E-05	0.02	0.1	0.5	1
25%								
Aboveground	1E-07	6E-07	2E-06	5E-06	0.005	0.03	0.1	0.2
Root	2E-07	8E-07	3E-06	6E-06	0.007	0.03	0.1	0.3
Total	3E-07	1E-06	5E-06	1E-05	0.01	0.06	0.2	0.5
10%								
Aboveground	5E-08	2E-07	1E-06	2E-06	0.002	0.01	0.04	0.09
Root	6E-08	3E-07	1E-06	2E-06	0.003	0.01	0.05	0.1
Total	1E-07	5E-07	2E-06	4E-06	0.005	0.02	0.10	0.2

No Fill: cancer risk less than 1E-06 or hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.
HQ: hazard quotient
mg/kg: milligram(s) per kilogram
PCB: polychlorinated biphenyl

Table 7-20. Beef Ingestion Risk Matrix
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Cattle Ingestion Scenario	Cancer Risk Total PCB Soil Concentration (mg/kg)				HQ Total PCB Soil Concentration (mg/kg)			
	1	5	20	40	1	5	20	40
Forage/Silage/Grain/Soil - FI 50%	1E-05	6E-05	2E-04	4E-04	0.5	2	10	19
Forage/Silage/Grain/Soil - FI 25%	6E-06	3E-05	1E-04	2E-04	0.2	1	5	10
Forage/Silage/Grain/Soil - FI 10%	2E-06	1E-05	4E-05	9E-05	0.1	0.5	2	4
Forage/Soil - FI 50%	1E-05	5E-05	2E-04	4E-04	0.5	2	9	19
Forage/Soil - FI 25%	5E-06	3E-05	1E-04	2E-04	0.2	1	5	9
Forage/Soil - FI 10%	2E-06	1E-05	4E-05	9E-05	0.09	0.5	2	4

No Fill: hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.
FI: fraction ingested
HQ: hazard quotient
mg/kg: milligram(s) per kilogram
PCB: polychlorinated biphenyl

Table 7-21. Dairy Ingestion Risk Matrix
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Cattle Ingestion Scenario	Cancer Risk Total PCB Soil Concentration (mg/kg)				HQ Total PCB Soil Concentration (mg/kg)			
	1	5	20	40	1	5	20	40
Forage/Silage/Grain/Soil - FI 50%	7E-06	4E-05	1E-04	3E-04	0.3	2	6	13
Forage/Silage/Grain/Soil - FI 25%	4E-06	2E-05	7E-05	1E-04	0.2	0.8	3	6
Forage/Silage/Grain/Soil - FI 10%	1E-06	7E-06	3E-05	6E-05	0.06	0.3	1	3
Forage/Soil - FI 50%	7E-06	3E-05	1E-04	3E-04	0.3	1	6	12
Forage/Soil - FI 25%	3E-06	2E-05	7E-05	1E-04	0.1	0.7	3	6
Forage/Soil - FI 10%	1E-06	7E-06	3E-05	5E-05	0.06	0.3	1	2

No Fill: hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.
FI: fraction ingested
HQ: hazard quotient
mg/kg: milligram(s) per kilogram
PCB: polychlorinated bipheny

Table 7-22. Chicken Ingestion Risk Matrix
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Chicken Ingestion Scenario	Cancer Risk Total PCB Soil Concentration (mg/kg)				HQ Total PCB Soil Concentration (mg/kg)			
	1	5	20	40	1	5	20	40
Grain/Soil - FI 100%	3E-07	2E-06	6E-06	1E-05	0.01	0.07	0.3	0.5
Grain/Soil - FI 50%	2E-07	8E-07	3E-06	6E-06	0.007	0.03	0.1	0.3
Grain/Soil - FI 25%	8E-08	4E-07	2E-06	3E-06	0.003	0.02	0.07	0.1
Grain/Soil - FI 10%	3E-08	2E-07	6E-07	1E-06	0.001	0.007	0.03	0.05

No Fill: cancer risk less than 1E-06 or hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.
FI: fraction ingested
HQ: hazard quotient
mg/kg: milligram(s) per kilogram
PCB: polychlorinated biphenyl

Table 7-23. Egg Ingestion Risk Matrix
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Chicken Ingestion Scenario	Cancer Risk Total PCB Soil Concentration (mg/kg)				HQ Total PCB Soil Concentration (mg/kg)			
	1	5	20	40	1	5	20	40
Grain/Soil - FI 100%	1E-07	6E-07	2E-06	5E-06	0.005	0.03	0.1	0.2
Grain/Soil - FI 50%	6E-08	3E-07	1E-06	2E-06	0.003	0.01	0.05	0.1
Grain/Soil - FI 25%	3E-08	1E-07	6E-07	1E-06	0.001	0.007	0.03	0.05
Grain/Soil - FI 10%	1E-08	6E-08	2E-07	5E-07	0.0005	0.003	0.01	0.02

No Fill: cancer risk less than 1E-06 or hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.
FI: fraction ingested
HQ: hazard quotient
mg/kg: milligram(s) per kilogram
PCB: polychlorinated biphenyl

Table 7-24. Beef Ingestion Risk Matrix – Sensitivity Analysis for Lower Soil Bioavailability
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Cattle Ingestion Scenario	Cancer Risk Total PCB Concentration (mg/kg)				HQ Total PCB Concentration (mg/kg)			
	1	5	20	40	1	5	20	40
Forage/Silage/Grain/Soil - FI 50%	6E-06	3E-05	1E-04	3E-04	0.3	1	6	11
Forage/Silage/Grain/Soil - FI 25%	3E-06	2E-05	6E-05	1E-04	0.1	0.7	3	6
Forage/Silage/Grain/Soil - FI 10%	1E-06	6E-06	3E-05	5E-05	0.06	0.3	1	2
Forage/Soil - FI 50%	6E-06	3E-05	1E-04	2E-04	0.3	1	5	10
Forage/Soil - FI 25%	3E-06	1E-05	6E-05	1E-04	0.1	0.6	3	5
Forage/Soil - FI 10%	1E-06	6E-06	2E-05	5E-05	0.05	0.3	1	2

No Fill: hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.

All the risk values presented are based on an assumed bioavailability of 50% for PCBs in soil ingested by cattle. This is a lower bounding estimate to the 100% assumed bioavailability used in the HHRA.

FI: fraction ingested
HHRA: human health risk assessment
HQ: hazard quotient
mg/kg: milligram(s) per kilogram
PCB: polychlorinated biphenyl

Table 7-25. Dairy Ingestion Risk Matrix – Sensitivity Analysis for Lower Soil Bioavailability
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Cattle Ingestion Scenario	Cancer Risk Total PCB Concentration (mg/kg)				HQ Total PCB Concentration (mg/kg)			
	1	5	20	40	1	5	20	40
Forage/Silage/Grain/Soil - FI 50%	5E-06	2E-05	9E-05	2E-04	0.2	1	4	8
Forage/Silage/Grain/Soil - FI 25%	2E-06	1E-05	5E-05	9E-05	0.1	0.5	2	4
Forage/Silage/Grain/Soil - FI 10%	9E-07	5E-06	2E-05	4E-05	0.04	0.2	0.8	2
Forage/Soil - FI 50%	4E-06	2E-05	8E-05	2E-04	0.2	0.9	3	7
Forage/Soil - FI 25%	2E-06	1E-05	4E-05	8E-05	0.09	0.4	2	3
Forage/Soil - FI 10%	8E-07	4E-06	2E-05	3E-05	0.03	0.2	0.7	1

No Fill: cancer risk less than 1E-06 or hazard quotient/index less than or equal to 1.0.
: cancer risk between 1E-06 and 1E-04.
: cancer risk greater than 1E-04 or hazard quotient/index greater than 1.0.

All the risk values presented are based on an assumed bioavailability of 50% for PCBs in soil ingested by cattle. This is a lower bounding estimate to the 100% assumed bioavailability used in the HHRA.

FI: fraction ingested
HHRA: human health risk assessment
HQ: hazard quotient
mg/kg: milligram(s) per kilogram
PCB: polychlorinated biphenyl

Table 7-26. Summary of Remedial Goal Options - Fish
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

	Fish Tissue RGOs (mg/kg wet weight)					
	Cancer-Based			Noncancer-Based		
COPC	**1 x 10^{-6}**	**1 x 10^{-5}**	**1 x 10^{-4}**	**0.1**	**1**	**3**
River Mile 0-10						
Total PCBs	0.002	0.02	0.2	0.004	0.04	0.1
Mercury	NA	NA	NA	0.02	0.2	0.5
River Mile 10-37						
Total PCBs	0.005	0.05	0.5	0.008	0.08	0.2
Mercury	NA	NA	NA	0.05	0.5	1

RGOs are based on recreational fisherman RME exposure assumptions.

River Mile 0-10 corresponds to fish grouping A (below Jackson Shoals), or sampling locations 1 and 2 where an FI = 1 was used.

River Mile 10-37 corresponds to fish groupings B and C (above Jacksons Shoals), or sampling locations 3 through 9 where an FI = 0.5 was used.

COPC: constituents of potential concern

FI: fraction ingested

mg/kg: milligrams per kilogram

NA: There is no applicable slope factor.

PCB: polychlorinated biphenyl

RGO: remedial goal option

Table 7-27. Summary of Remedial Goal Options - Total PCBs in Soil Based on Agricultural Product Consumption
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Product and Ingestion Scenario	Soil RGOs (mg/kg)					
	Cancer-Based			Noncancer-Based		
	1×10^{-6}	1×10^{-5}	1×10^{-4}	0.1	1	3
Vegetables[a]						
Aboveground	2	20	200	4	44	133
Root	2	20	200	4	40	120
Beef Ingestion						
Forage/Silage/Grain/Soil - FI 50%	0.1	1	10	0.2	2	6
Forage/Silage/Grain/Soil - FI 25%	0.2	2	20	0.4	4	12
Forage/Silage/Grain/Soil - FI 10%	0.4	4	44	1	10	30
Forage/Soil - 50%	0.1	1	10	0.2	2	6
Forage/Soil - 25%	0.2	2	20	0.4	4	13
Forage/Soil - 10%	0.4	4	44	1	10	30
Dairy Ingestion						
Forage/Silage/Grain/Soil - FI 50%	0.1	1	13	0.3	3	9
Forage/Silage/Grain/Soil - FI 25%	0.4	4	40	0.7	7	20
Forage/Silage/Grain/Soil - FI 10%	0.7	7	67	1	13	40
Forage/Soil - 50%	0.1	1	13	0.3	3	10
Forage/Soil - 25%	0.4	4	40	0.7	7	20
Forage/Soil - 10%	0.8	8	80	2	20	60

a. Calculated for 100% FI from floodplain.
FI: fraction ingested
PCB: polychlorinated biphenyl
mg/kg: milligrams per kilogram
RGO: remedial goal option

Table 8-1. Predicted Risk for Ecological Receptors Exposed to PCBs in OU-4
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Assessment Endpoint			UAA			MAA		LAA			
		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
Aquatic Receptor Predicted Risk											
Aquatic Plants/ Aquatic Life		U	A	A	A	A	A	A	A	A	A
Benthic Invertebrates		U	U	GA	GA	GA	A	U	GA	A	GA
Fish/Aquatic Life		U	U	U	U	U	U	U	U	U	U
Piscivorous Birds	Belted kingfisher	U	U	U	U	U	U	U	U	U	U
Insectivorous Birds	Sandpiper	HA	HA	U	U	U	U	U	U	U	U
Aerial Insectivorous Birds	Swallow	U	U	U	U	A	A	A	A	A	A
Piscivorous Mammals	Otter/mink	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA
Aerial Insectivorous Mammals	Bat	U	U	U	U	A	A	A	A	A	A
Terrestrial/Riparian Receptor Predicted Risk											
Terrestrial Plants		U[1]	A	A	A	A	A	A	A	A	A
Terrestrial Invertebrates		U[1]	I	I	I	A	A	A	A	A	I
Herbivorous Birds	Dove	U[1]	A	I	A	A	A	A	A	A	A
Insectivorous Birds	Wren	U	U	U	U	I	I	I	I	I	--
Omnivorous Birds	Blue jay	U	I	I	I	A	A	A	A	A	--
Carnivorous Birds	Hawk	HA	U	U	U	I	A	A	I	A	--
Herbivorous Mammals	Deer	A	A	A	A	A	A	A	A	A	--
Insectivorous/ Invertivorous Mammals	Shrew	U	U	U	U	I	I	I	I	I	--
Carnivorous Mammals	Weasel	U[1]	A	U[2]	I	A	A	A	A	A	--
Mixed Aquatic and Terrestrial Diet Receptor Predicted Risk											
Omnivorous Birds	Wren	HA	U	U	U	I	I	I	I	I	--
Omnivorous Mammals	Raccoon	I	I	I	I	I	I	I	I	I	I
Omnivorous Mammals	Mink	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA

Notes:

[1]Unacceptable for C1 West only; C1 East risk is acceptable.

[2]Unacceptable for C3 South only; C3 North risk is acceptable.

-- Terrestrial and riparian habitat not evaluated in Reach C10

Risk categories:

A	Acceptable risk
GA	Generally acceptable risk
I	Indeterminate risk
U	Unacceptable risk
HA	High unacceptable risk

BERA: baseline ecological risk assessment

LAA: lower assessment area

LOE: line of evidence

MAA: middle assessment area

UAA: upper assessment area

Table 8-2. Summary of Remedial Goal Options for the OU-4 BERA Addendum
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

Constituent		Range of Sediment RGOs (mg/kg dw)			Range of Soil RGOs (mg/kg dw)	
		Benthic Invertebrates	Birds	Mammals [1,2]	Birds	Mammals
NOAEL-Based Remedial Goal Options (mg/kg)						
Total PCB [1]	BERA Addendum	1.4 - 152	0.14 - 5.7	0.06 - 5	1.1 - 40	0.8 - 49
Total PCB	BERA Addendum	--	0.01 - 0.5	0.05 - 1.2	0.1 - 1.5	0.2 - 11
Mercury	BERA Addendum	0.4 - 13	0.25 - 1.5	7 - 104	0.1 - 4.3	0.4 - 550
Barium	BERA Addendum	NC	109 - 2,161	2,776 - 7,924	--	--
Chromium	BERA Addendum	43	20 - 201	25 - 2649	0.4 - 140	33 - 2,163
Cobalt	BERA Addendum	NC	70 - 2,450	1,487 - 49,911	--	--
Lead	BERA Addendum	36	5.4 - 1,328	924 - 9,542	3.8 - 1700	16 - 6,342
Vanadium	BERA Addendum	NC	6.4 - 87	854 - 12,890	4 - 75	105 - 3,884
LOAEL-Based Remedial Goal Options (mg/kg)						
Total PCB [1]	BERA Addendum	1.4 - 152	0.4 - 17	0.13 - 16	3 - 48	2 - 144
Total PCB (alternative) [2]	BERA Addendum	--	0.04 - 1.6	0.06 - 2.4	0.3 - 4.5	0.3 - 21
Mercury	BERA Addendum	0.4 - 13	0.8 - 5	14 - 208	0.2 - 11	0.8 - 1,099
Barium	BERA Addendum	NC	219 - 4,333	6,484 - 18,510	NA	NA
Chromium	BERA Addendum	111	21 - 212	29 - 3,113	21 - 477	38 - 2,542
Cobalt	BERA Addendum	NC	72 - 2,511	2,028 - 68,092	NA	NA

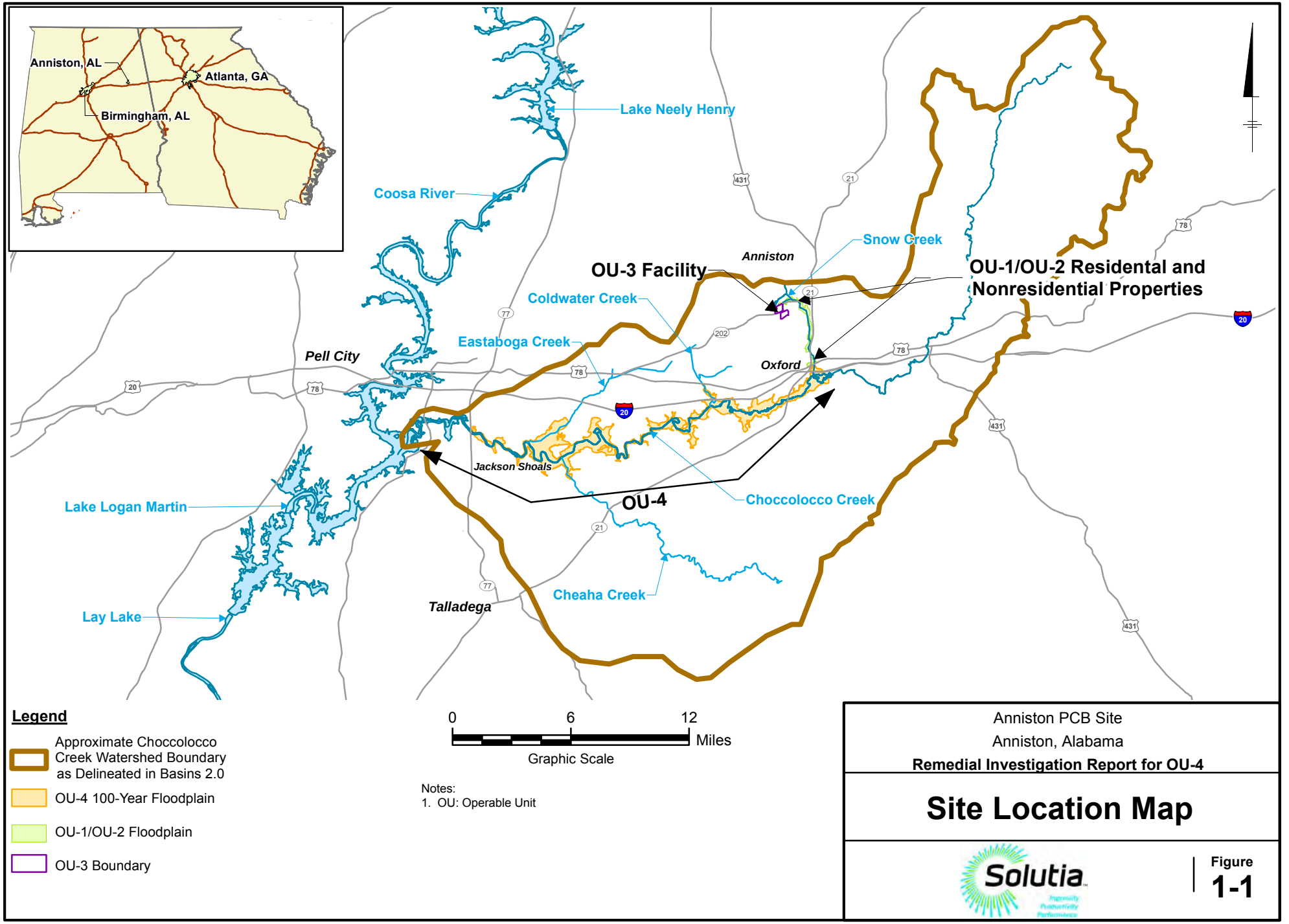
Table 8-2. Summary of Remedial Goal Options for the OU-4 BERA Addendum
Remedial Investigation Report for OU-4
Anniston PCB Site, Anniston, Alabama

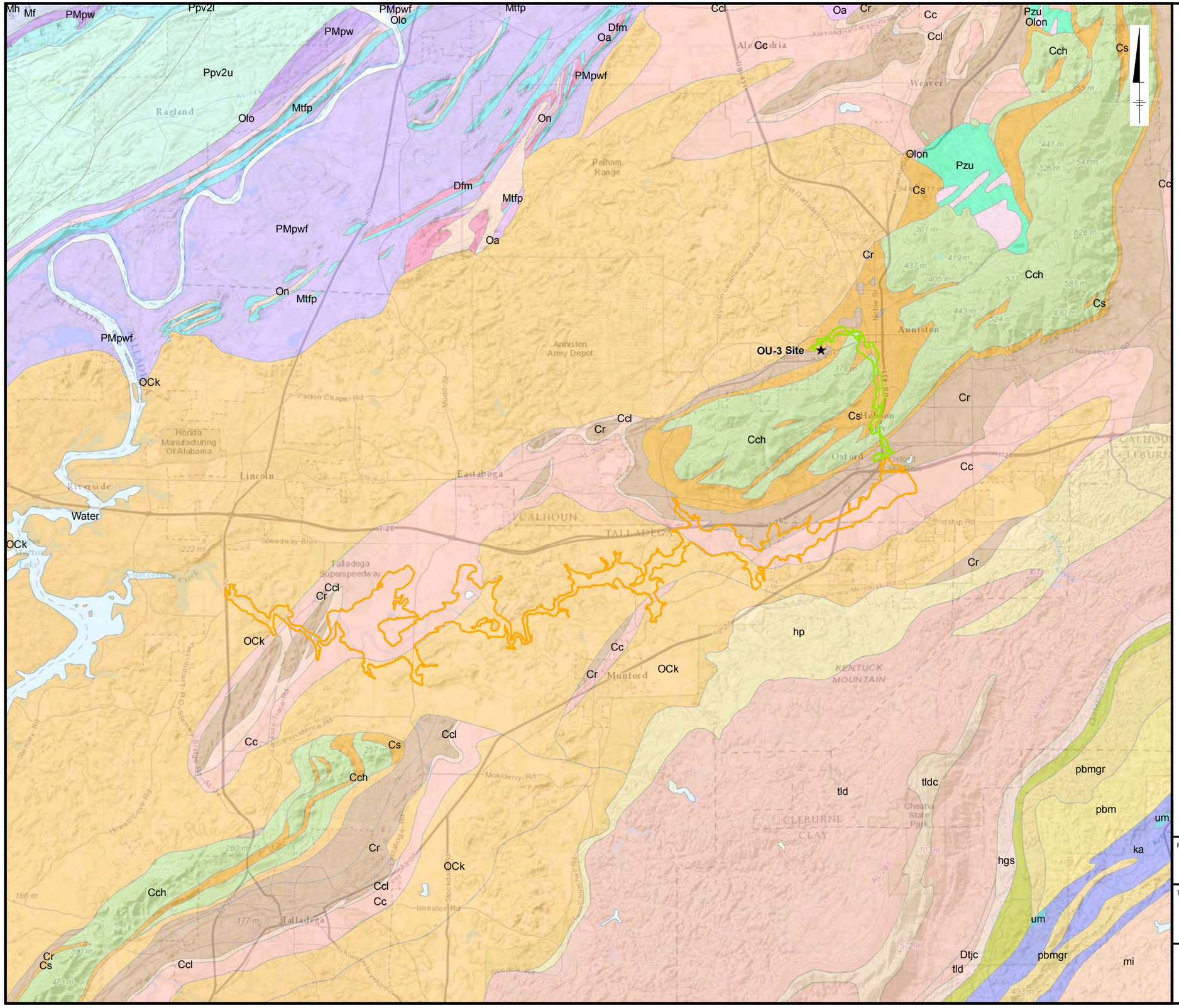
Constituent		Range of Sediment RGOs (mg/kg dw)			Range of Soil RGOs (mg/kg dw)	
		Benthic Invertebrates	Birds	Mammals [1,2]	Birds	Mammals
Lead	BERA Addendum	128	11 - 2,655	1,750 - 18,069	8 - 3,515	31 - 12,009
Vanadium	BERA Addendum	NC	13 - 177	1,706 - 25,748	8 - 153	209 - 7,758

-- : Alternative RGOs not calculated
LOAEL: lowest observed adverse effect level
mg/kg: milligrams per kilogram
mg/kg dw: milligrams per kilogram dry weight
NA: not applicable; constituent not evaluated in soil
NC: toxicity criteria unavailable; value not calculated
NOAEL: no observed adverse effect level
PCB: polychlorinated biphenyl
RGO: remedial goal option
TRV: toxicity reference value

1. For aquatic mammals, the mink and otter values included in the range of PCB RGOs are based on mink reproductive endpoints from Restum et al. (1998). For the bat, the RGOs included in the range are based on small mammal TRVs. Values listed for birds are based on midrange sensitivity TRVs.
2. For aquatic mammals, the PCB (alternative) RGOs include values for mink and otter based on the mink growth endpoint TRVs from Restum et al. (1998). Alternative RGOs for birds were high-sensitivity values TRVs from Lillie et al. (1974). Alternative RGOs for mammals other than mink and otter were based on TRVs from Restum et al. (1998) based on reproduction endpoint.

FIGURES


Anniston, AL
Atlanta, GA
Birmingham, AL
Lake Neely Henry
Coosa River
Snow Creek
Anniston
OU-3 Facility
OU-1/OU-2 Residental and
Nonresidential Properties
Coldwater Creek
Eastaboga Creek
Pell City
Oxford
Jackson Shoals
OU-4
Choccolocco Creek
Lake Logan Martin
Cheaha Creek
Talladega
Lay Lake
Legend
Approximate Choccolocco Creek Watershed Boundary as Delineated in Basins 2.0
OU-4 100-Year Floodplain
OU-1/OU-2 Floodplain
OU-3 Boundary
0
6
12
Miles
Graphic Scale
Notes:
1. OU: Operable Unit
Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4
Site Location Map
Solutia
Figure
1-1



Legend

- ★ OU-3 Site
- OU-1/OU-2 100-Year Floodplain
- OU-4 100-Year Floodplain

Geologic Unit Descriptions

- Cc - Conasauga Formation
- Cch - Chilhowee Group Undifferentiated
- Ccl - Conasauga Formation Lower Shale Unit
- Cr - Rome Formation
- Cs - Shady Dolomite
- Dfm - Frog Mountain Sandstone
- Dtjc - Jemison Chert and Chulafinnee Schist Undifferentiated
- Mf - Floyd Shale
- Mh - Hartselle Sandstone
- Mtfp - Tuscumbia Limestone and Fort Payne Chert Undifferentiated
- OCk - Knox Group Undifferentiated
- Oa - Athens Shale
- Olo - Little Oak Limestone
- Olon - Little Oak and Newala Limestones Undifferentiated
- On - Newala Limestone
- PMpw - Parkwood Formation
- PMpwf - Parkwood Formation and Floyd Shale Undifferentiated
- Ppv2l - Pottsville Formation (Lower Part), Valley and Ridge
- Ppv2u - Pottsville Formation (Upper Part), Valley and Ridge
- Pzu - Paleozoic Shale Undifferentiated
- Water
- hgs - Hillabee Greenstone
- hp - Heflin Phyllite
- ka - Ketchepedrakee Amphilbolite
- mi - Mad Indian Group
- pbm - Poe Bridge Mountain Group
- pbmgr - Poe Bridge Mountain Group Graphitic Unit
- tld - Lay Dam Formation
- tldc - Cheaha Quartzite Member of the Lay Dam Formation
- um - Ultramafic Rock

References

1.) Digital Geologic Map of Alabama Polygons - Geological Survey of Alabama, 2006
2.) Basemap - Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community

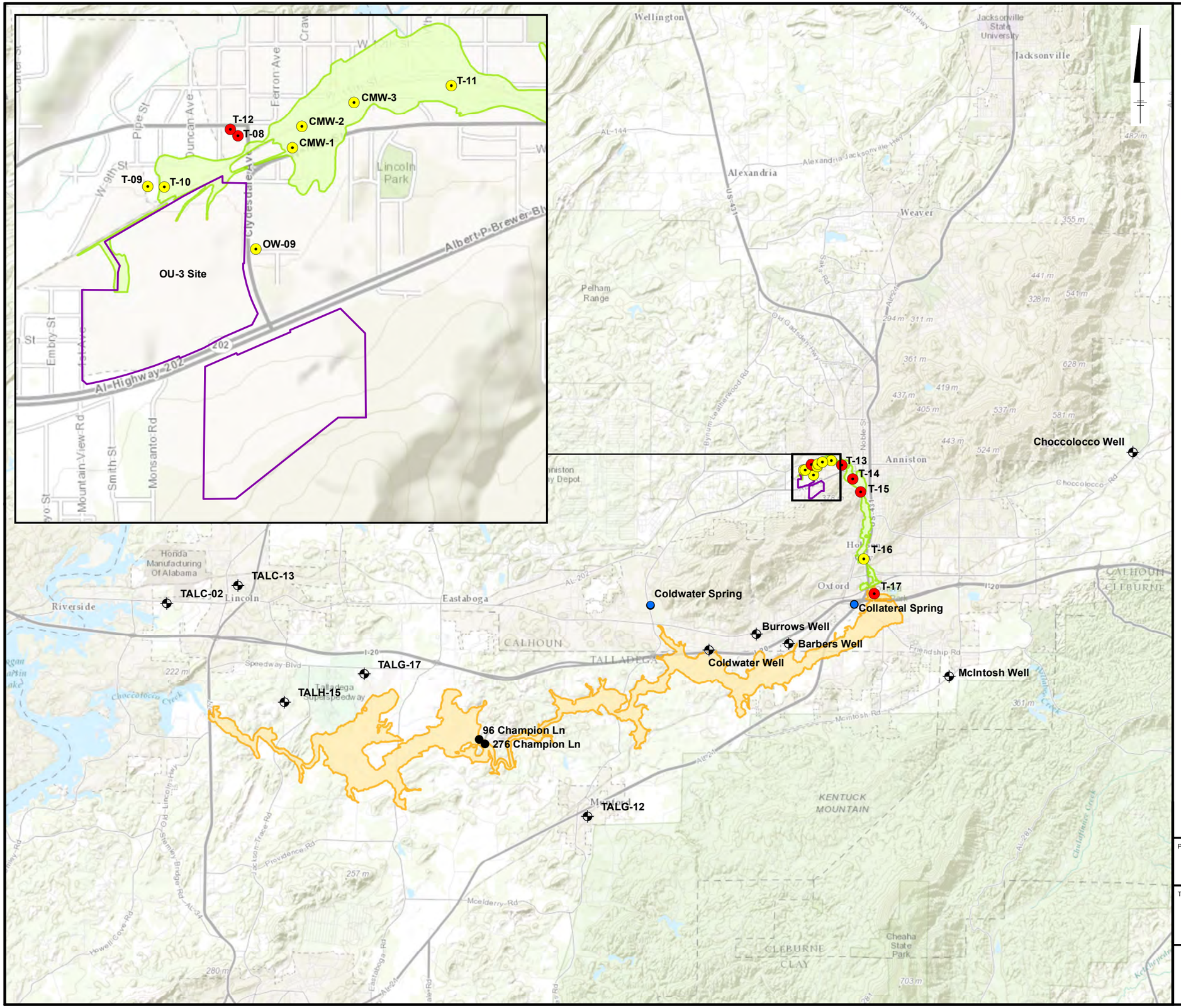
0 2.5 5 Miles

PROJECT
Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

TITLE
OU-4 Regional Geologic Setting

Solutia
Ingenuity, Productivity, Performance

Figure 2-1



Legend

- Active Monitoring Well
- Abandoned Monitoring Well
- Private Well
- Public Water Supply Well
- Spring
- OU-3 Boundary
- OU-1/OU-2 100-Year Floodplain
- OU-4 100-Year Floodplain
- TALC-02 Well Identifier

NOTES

References

1.) Monitoring Well Locations - Golder, 2013
2.) Spring Locations - USGS National Water Information System
3.) Public Supply Well Locations - City of Oxford, 2013 and Hydrogeology and Vulnerability to Contamination of Major Aquifers in Alabama: Area 4 - Geological Survey of Alabama Circular 199 D, 2005.
4.) Basemap - Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community

0 2.5 5 Miles

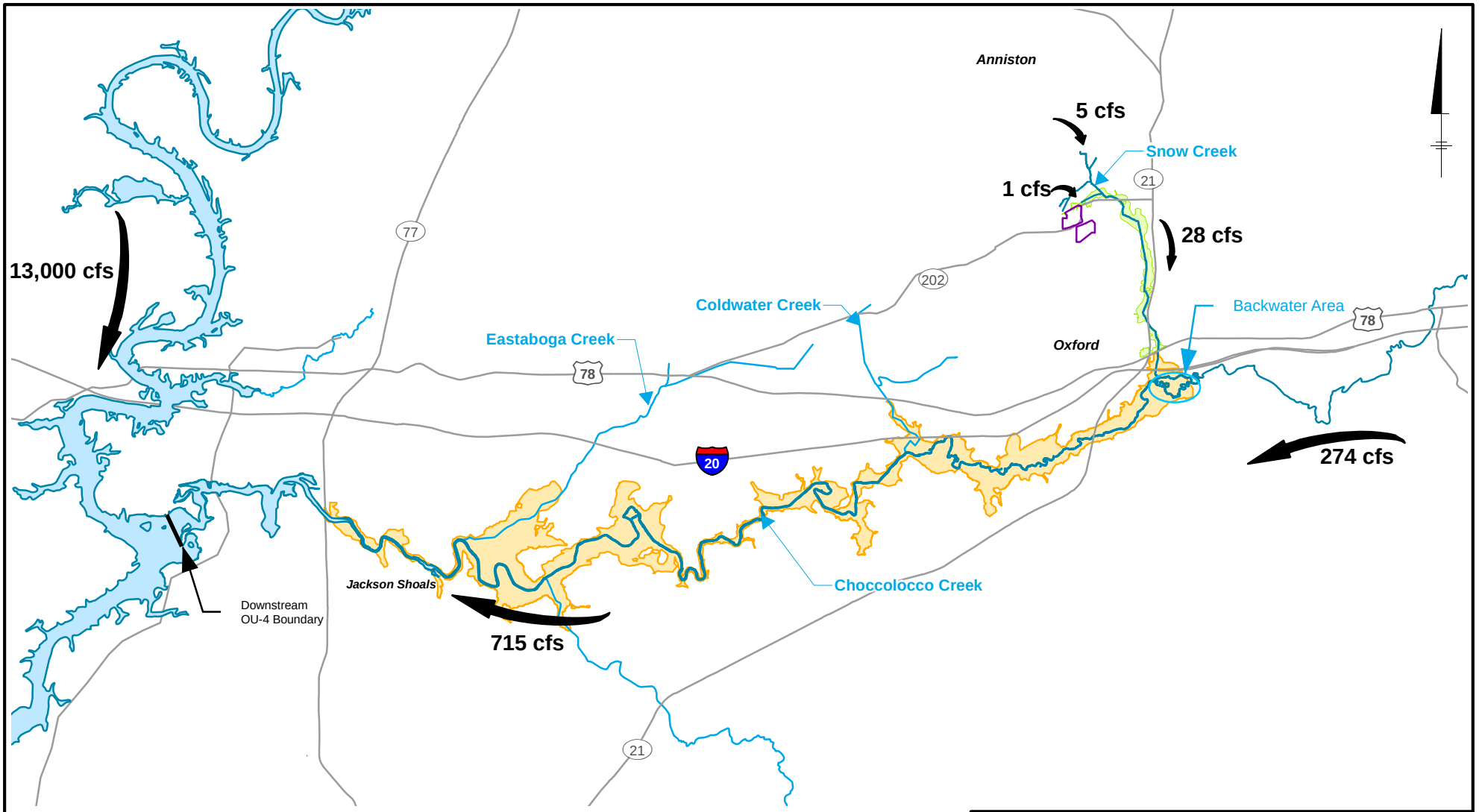
PROJECT
Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

TITLE
Locations of Municipal Wells/Springs and Groundwater Investigation Wells

Solutia

Figure
2-2

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston (B0010291.2010.00001)
Q:\Anniston_PCB_site\AnnistonAL\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F2-3_MeanStreamFlowRate.mxd 7/26/2019 1:49:26 PM



Legend

- OU-3 Boundary
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain

0 3 6 Miles

Graphic Scale

Notes:
1. cfs: cubic feet per second
   OU: operable unit

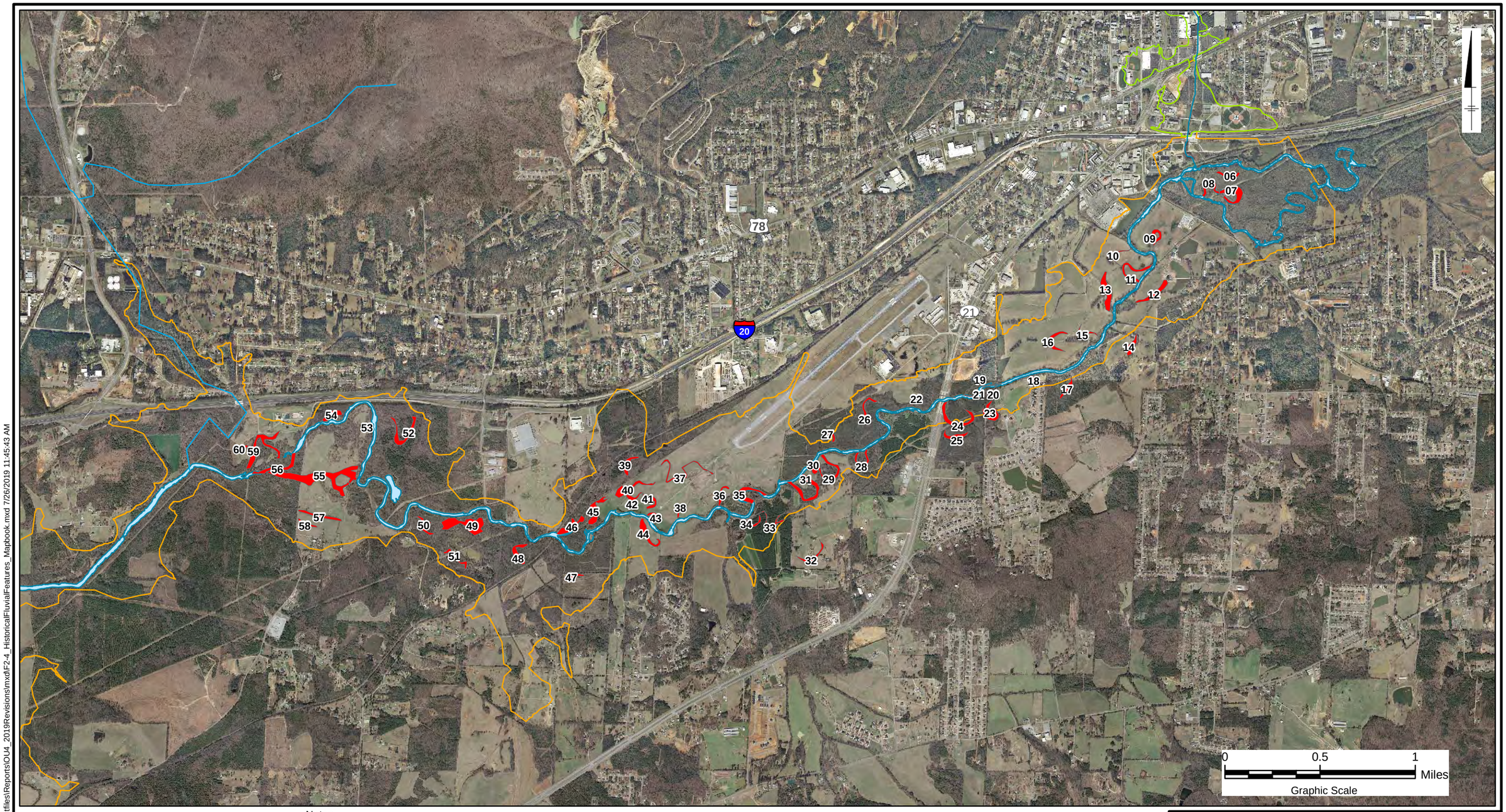
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Mean Stream Flow Rate in Cubic Feet per Second

Solutia

Figure
2-3

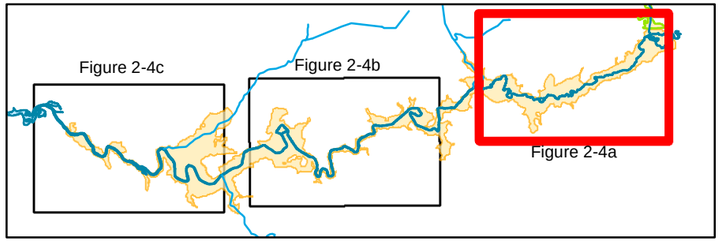


Legend

- Historical Fluvial Features
- Choccolocco Creek
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain

Notes:

1. Numbered historical fluvial features are described in Table 2-3.
2. Historical fluvial features from Mack, W.M. 2005. Environmental Photographic Interpretation Center (EPIC) Study Aerial Photographic Historical Analysis of Snow and Choccolocco Creek Channels, Calhoun and Talladega Counties, Alabama. Prepared for Environmental Sciences Division, National Exposure Research Laboratory, USEPA Office of Research and Development. Contract No. 68-D-00-267, July 2005.
3. OU: operable unit
   USEPA: United States Environmental Protection Agency
4. Aerial imagery provided by Calhoun and Talladega Counties.



Anniston PCB Site
Anniston, Alabama

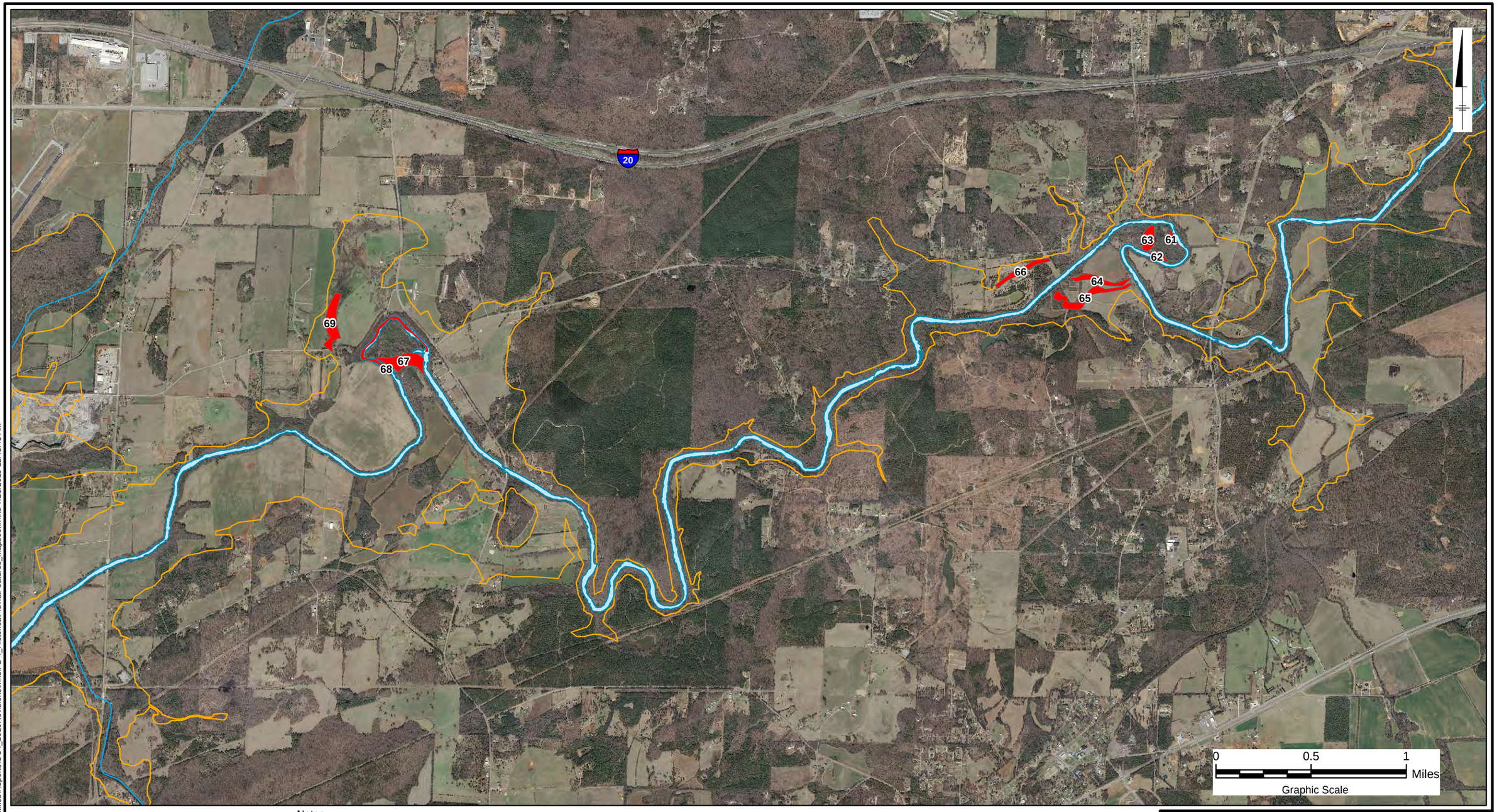
Remedial Investigation Report for OU-4

Historical Fluvial Features

Solutia

Figure 2-4a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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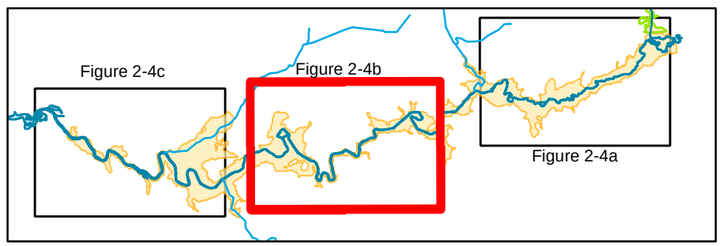


Legend

- Historical Fluvial Features
- Choccolocco Creek
- OU-4 100-Year Floodplain

Notes:

1. Numbered historical fluvial features are described in Table 2-3.
2. Historical fluvial features from Mack, W.M. 2005. Environmental Photographic Interpretation Center (EPIC) Study Aerial Photographic Historical Analysis of Snow and Choccolocco Creek Channels, Calhoun and Talladega Counties, Alabama. Prepared for Environmental Sciences Division, National Exposure Research Laboratory, USEPA Office of Research and Development. Contract No. 68-D-00-267, July 2005.
3. OU: operable unit
   USEPA: United States Environmental Protection Agency
4. Aerial imagery provided by Calhoun and Talladega Counties.



Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Historical Fluvial Features

Solutia

Figure 2-4b

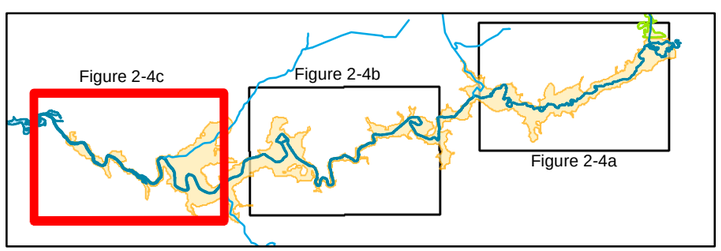
City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\AnnistonAL\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F2-4_HistoricalFluvialFeatures_Mapbook.mxd 7/26/2019 11:45:43 AM

Legend

- Historical Fluvial Features
- Choccolocco Creek
- OU-4 100-Year Floodplain

Notes:

1. Numbered historical fluvial features are described in Table 2-3.
2. Historical fluvial features from Mack, W.M. 2005. Environmental Photographic Interpretation Center (EPIC) Study Aerial Photographic Historical Analysis of Snow and Choccolocco Creek Channels, Calhoun and Talladega Counties, Alabama. Prepared for Environmental Sciences Division, National Exposure Research Laboratory, USEPA Office of Research and Development. Contract No. 68-D-00-267, July 2005.
3. OU: operable unit
   USEPA: United States Environmental Protection Agency
4. Aerial imagery provided by Calhoun and Talladega Counties.



Anniston PCB Site
Anniston, Alabama

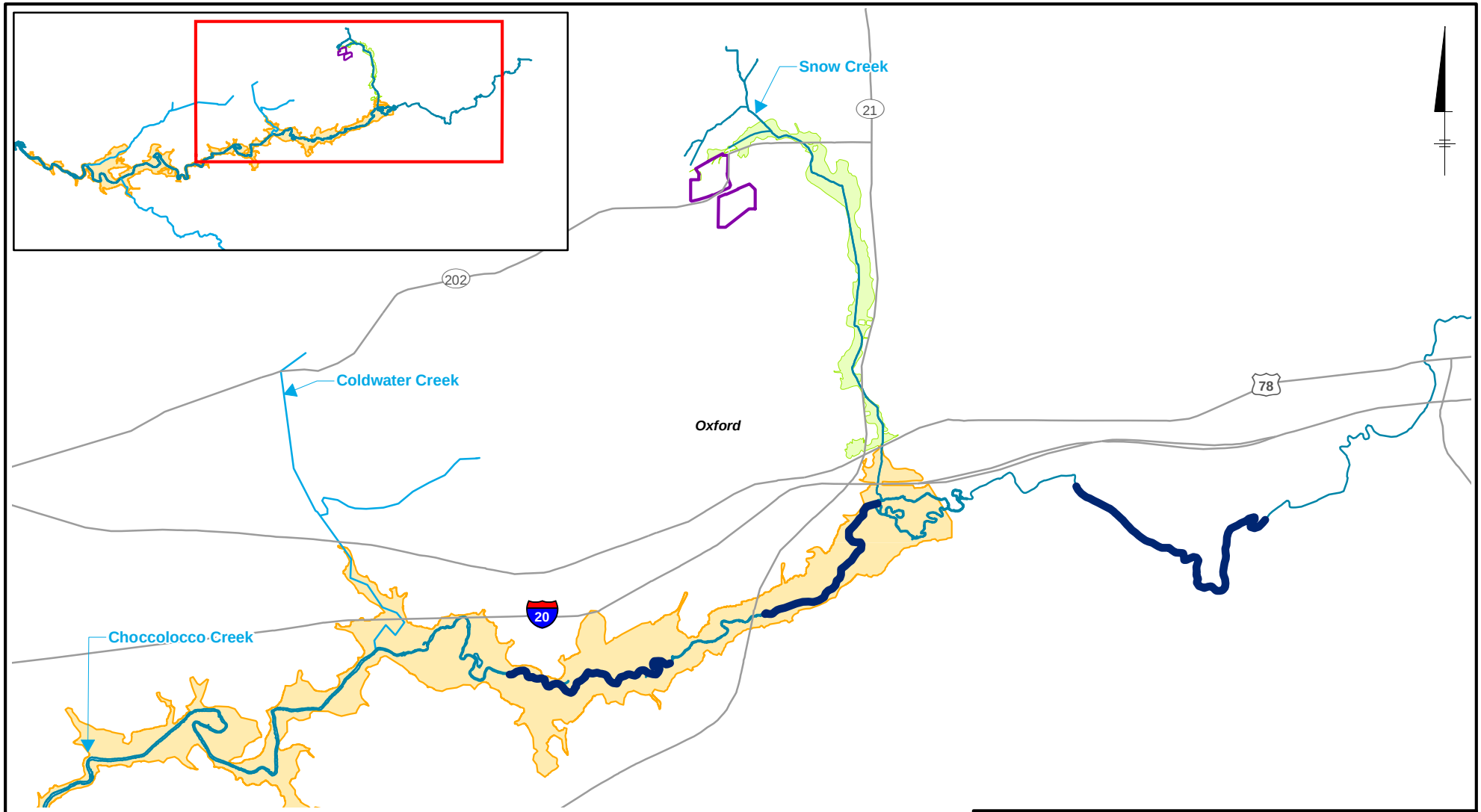
Remedial Investigation Report for OU-4

Historical Fluvial Features

Solutia

Figure
2-4c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\ALM\XDs_Printfiles\Reports\OU4_2019Revisions\mxd\F2-4_HistoricalFluvialFeatures_Mapbook.mxd 7/26/2019 11:45:43 AM



Legend:

- Stretches Dredged by NRCS
- OU-3 Boundary
- OU-1/OU-2 Floodplain
- OU-4 100-Year Floodplain

0 1.5 3 Miles

Graphic Scale

Notes:
1. OU: operable unit
   NRCS: Natural Resources Conservation Service

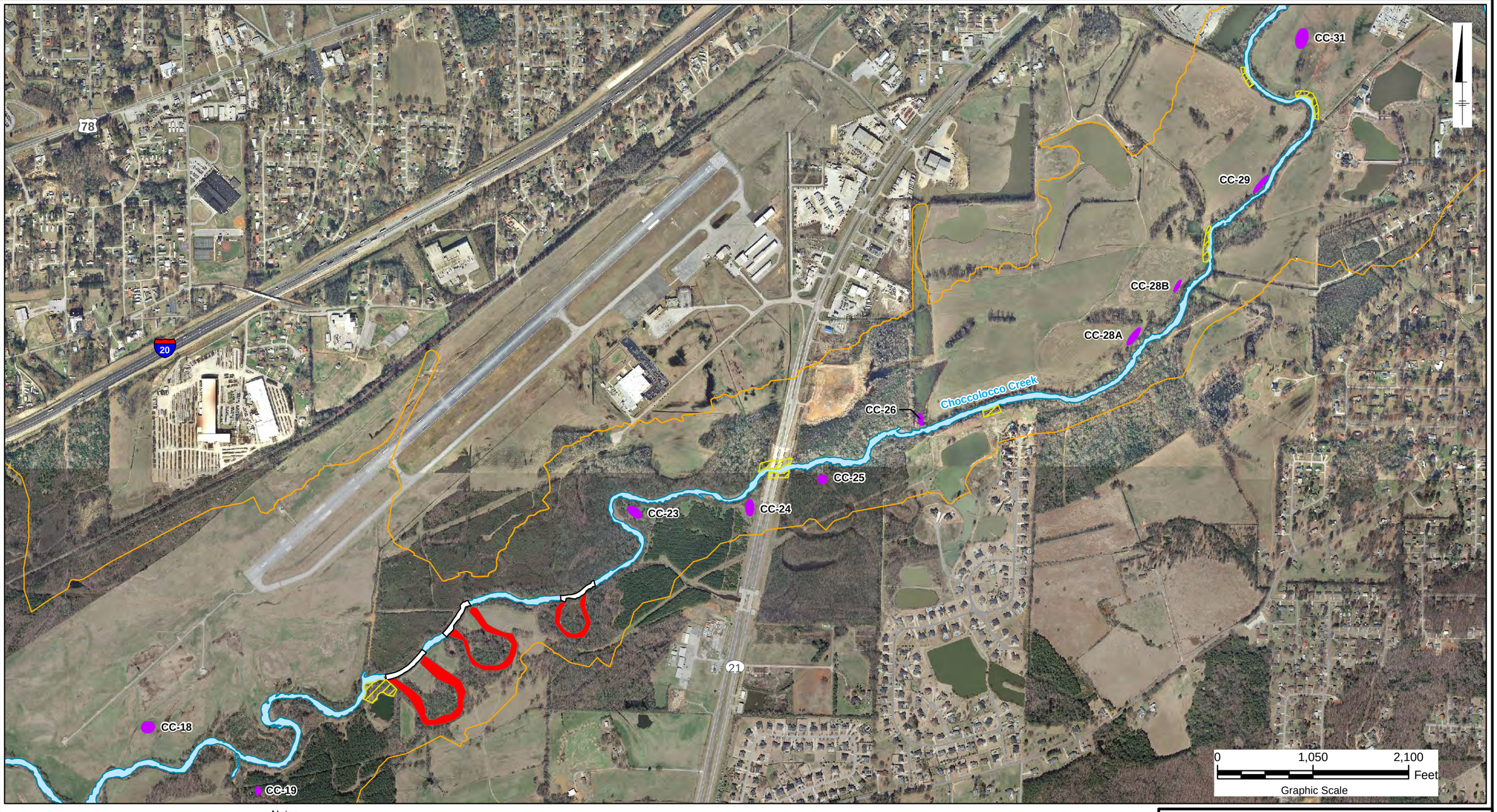
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

NRCS Dredging Locations

Solutia

Figure
2-5



Legend

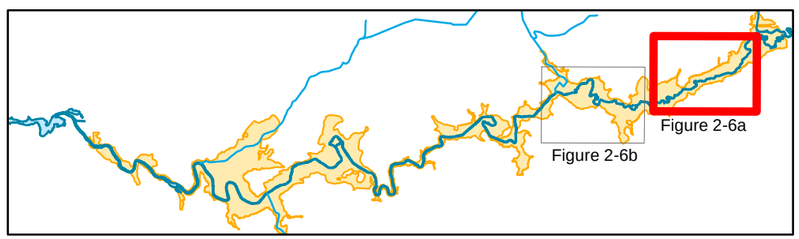
- Riprap
- NRCS Dredge Spoil Pile
- Choccolocco Creek
- OU-4 100-Year Floodplain
- Former Oxbow
- Rerouted Creek

Notes:

1. Dredge spoil pile locations from SCS (1989) Geomorphic Study for Choccolocco Creek Watershed to Assess Potential for Increasing Channel Capacity by Sediment Removal, August 1989, and Roux Associates Inc., Dredge Spoil Evaluation Report: Snow Creek and Choccolocco Creek Calhoun and Talladega Counties, Alabama (2012).

2. OU: operable unit
   NRCS: Natural Resources Conservation Service
   SCS: Soil Conservation Service

3. Aerial imagery provided by Calhoun and Talladega Counties.



Anniston PCB Site
Anniston, Alabama

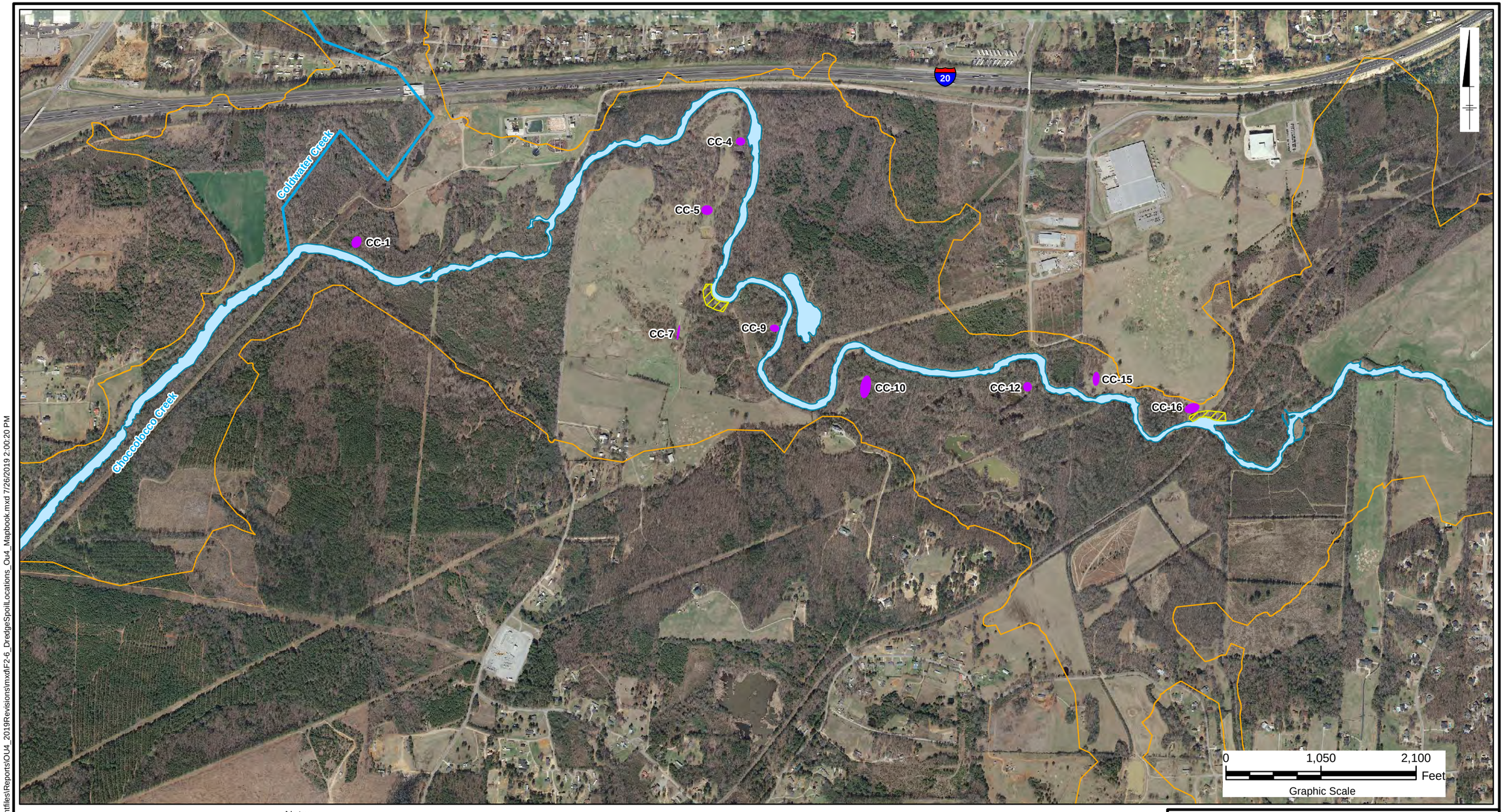
Remedial Investigation Report for OU-4

NRCS Dredge Spoil Disposal Locations

Solutia

Figure
2-6a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\AL\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F2-6_DredgeSpoilLocations_Ou4_Mapbook.mxd 7/26/2019 2:00:20 PM



Legend

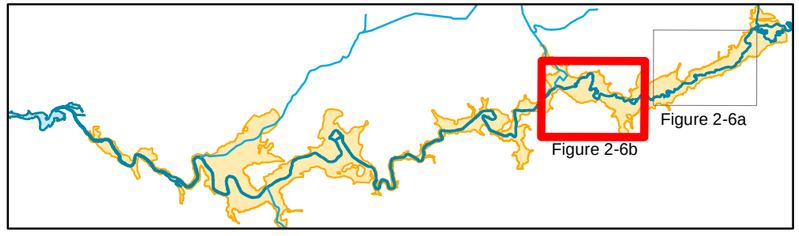
- Riprap
- NRCS Dredge Spoil Pile
- Choccolocco Creek
- OU-4 100-Year Floodplain

Notes:

1. Dredge spoil pile locations from SCS (1989) Geomorphic Study for Choccolocco Creek Watershed to Assess Potential for Increasing Channel Capacity by Sediment Removal, August 1989, and Roux Associates Inc., Dredge Spoil Evaluation Report: Snow Creek and Choccolocco Creek Calhoun and Talladega Counties, Alabama (2012).

2. OU: operable unit
   NRCS: Natural Resources Conservation Service
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3. Aerial imagery provided by Calhoun and Talladega Counties.



Anniston PCB Site
Anniston, Alabama

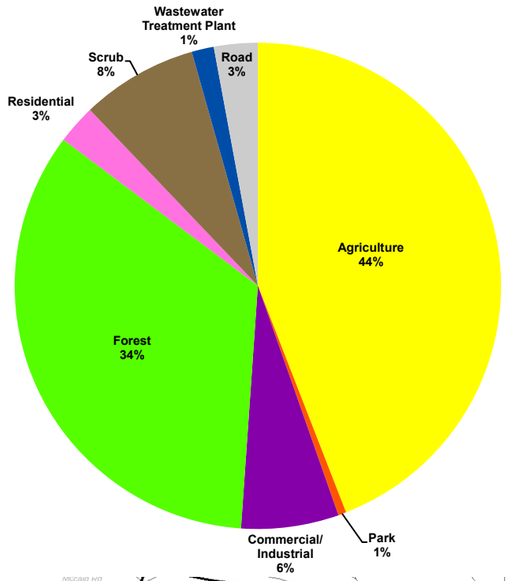
Remedial Investigation Report for OU-4

NRCS Dredge Spoil Disposal Locations

Solutia

Figure 2-6b

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\AnnistonALWMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F2-6_DredgeSpoilLocations_Ou4_Mapbook.mxd 7/26/2019 2:00:20 PM



Anniston
Oxford
Jackson Shoals
Snow Creek
Coldwater Creek
Eastaboga Creek
Cheaha Creek
78
20
202
21
77
34

0 7,000 14,000 Feet
Graphic Scale

Legend

Parcel Land Use
- Agriculture
- Commercial/Industrial
- Forest
- Park
- Residential
- Scrub
- Wastewater Treatment Plant
- Road

- Local Roads
- Major Roads
- Choccolocco Creek
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- OU-3 Boundary

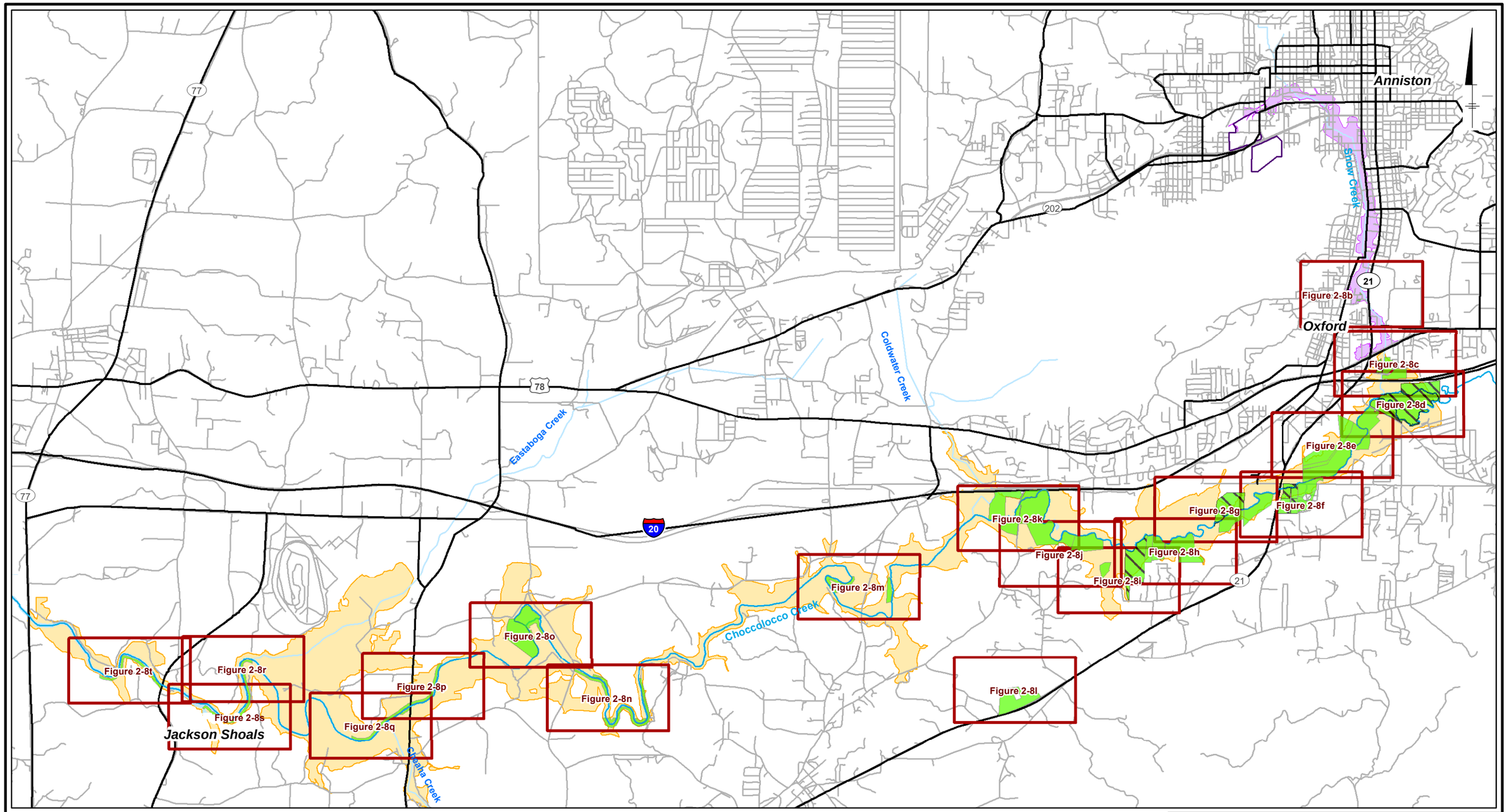
Notes:
1. Land use interpretations are based on a combination of the 2007 and 2011 aerial imagery.
2. OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Land Use within the OU-4 100-Year Floodplain

Solutia

Figure **2-7**



Legend

- Major Roadway
- Land-Trust-Owned Parcels
- Parcels with Conservation Easement
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- OU-3 Boundary
- Creek Boundary

0 6,500 13,000 Feet

Graphic Scale

Notes:
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2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

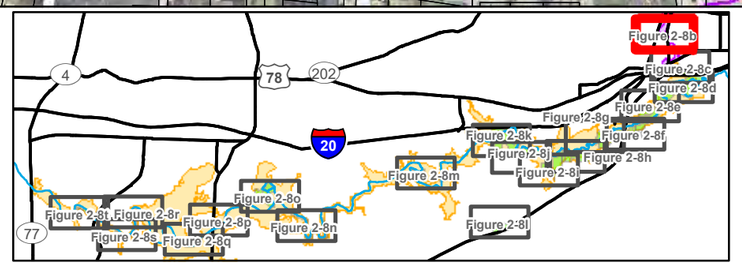
Solutia

Figure
2-8a

PPIN: 68403
PPIN: 67973
PPIN: 67975
PPIN: 67974
PPIN: 67972
Oxford

Legend

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-1/OU-2 Floodplain



0 500 1,000 Feet

Graphic Scale

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Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

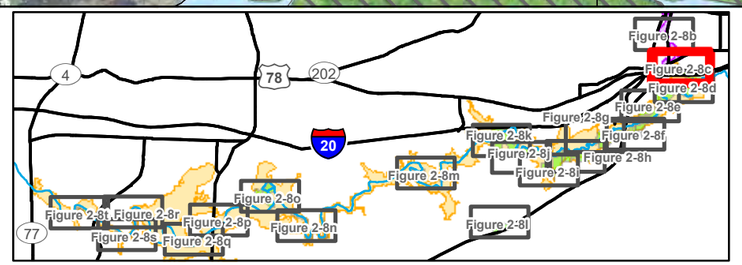
Solutia

Figure
2-8b

PPIN: 88695
PPIN: 16935
PPIN: 16744
PPIN: 16569
PPIN: 16569
PPIN: 16563
PPIN: 16564
PPIN: 16561

Legend

Conservation Easement Zone
Land-Trust Owned Parcels
Riparian Buffer Zone
Parcels with Conservation Easement
Creek Boundary
Parcel Boundary
OU-4 100-Year Floodplain
OU-1/OU-2 Floodplain



0 500 1,000 Feet

Graphic Scale

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3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

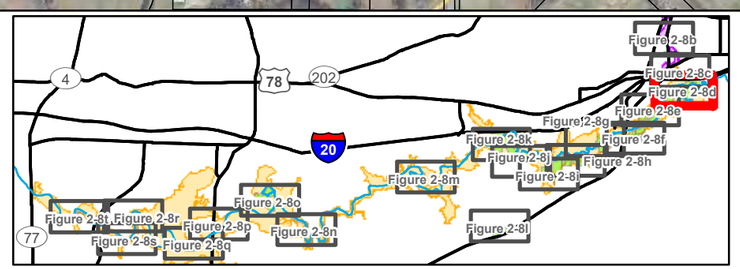
Solutia

Figure
2-8c

PPIN: 16563
PPIN: 16569
PPIN: 16564
PPIN: 16561
PPIN: 16562
PPIN: 16565
PPIN: 29920
PPIN: 16565
PPIN: 29922
PPIN: 29921
PPIN: 29974
PPIN: 29925
PPIN: 65881
PPIN: 29765
PPIN: 29927
PPIN: 30083

Legend

- Conservation Easement Zone
- Land-Trust Owned Parcels
- Zone 1
- Zone 2
- Zone 3
- Riparian Buffer Zone
- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
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OU: operable unit

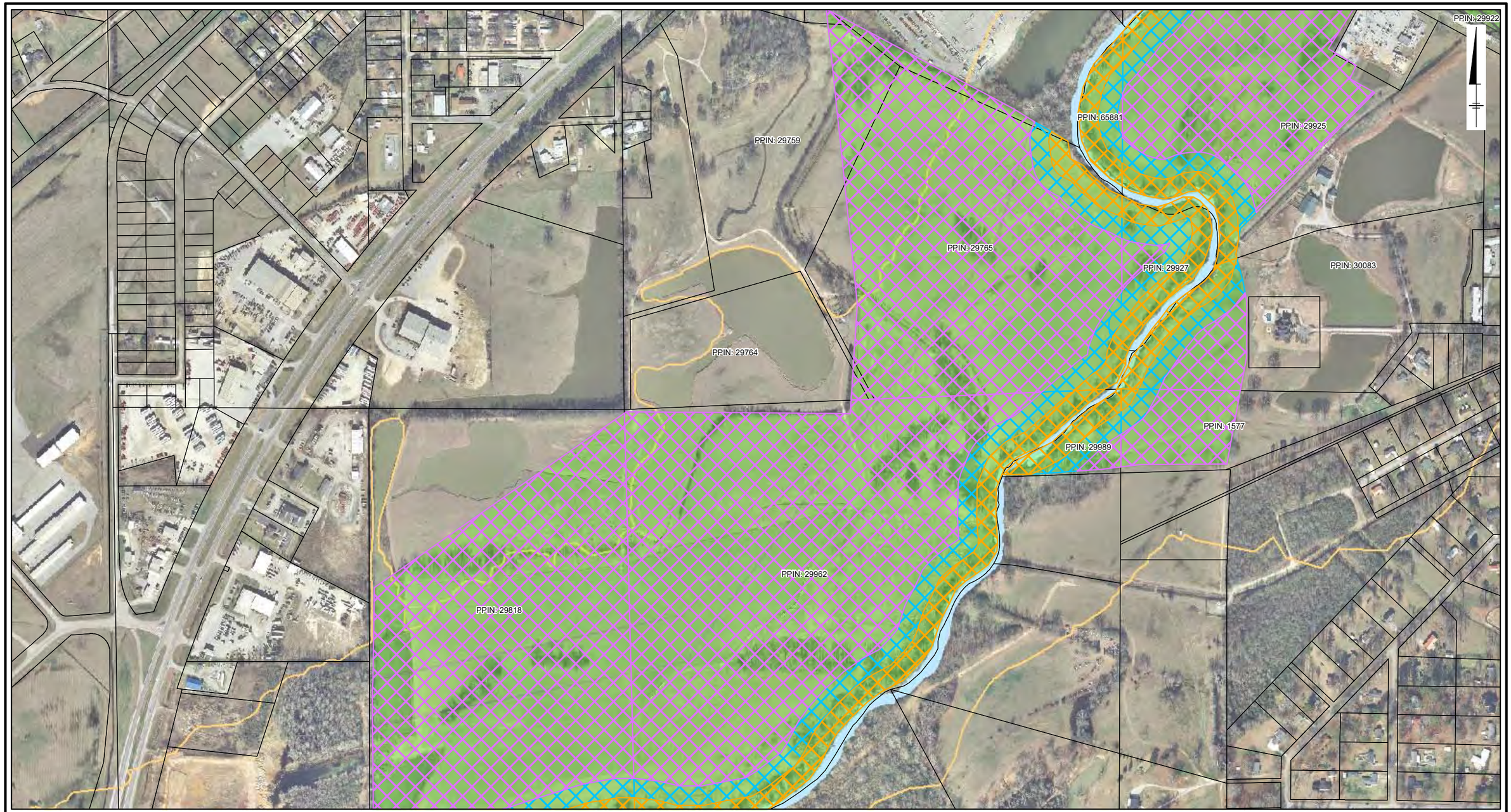
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

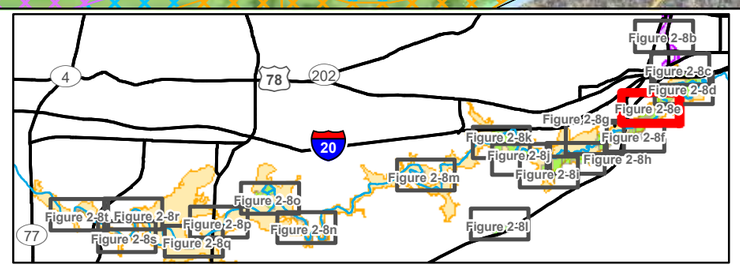
Solutia

Figure
2-8d



Legend

- Conservation Easement Zone
  - Land-Trust Owned Parcels
  - Zone 1
  - Zone 2
  - Zone 3
- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
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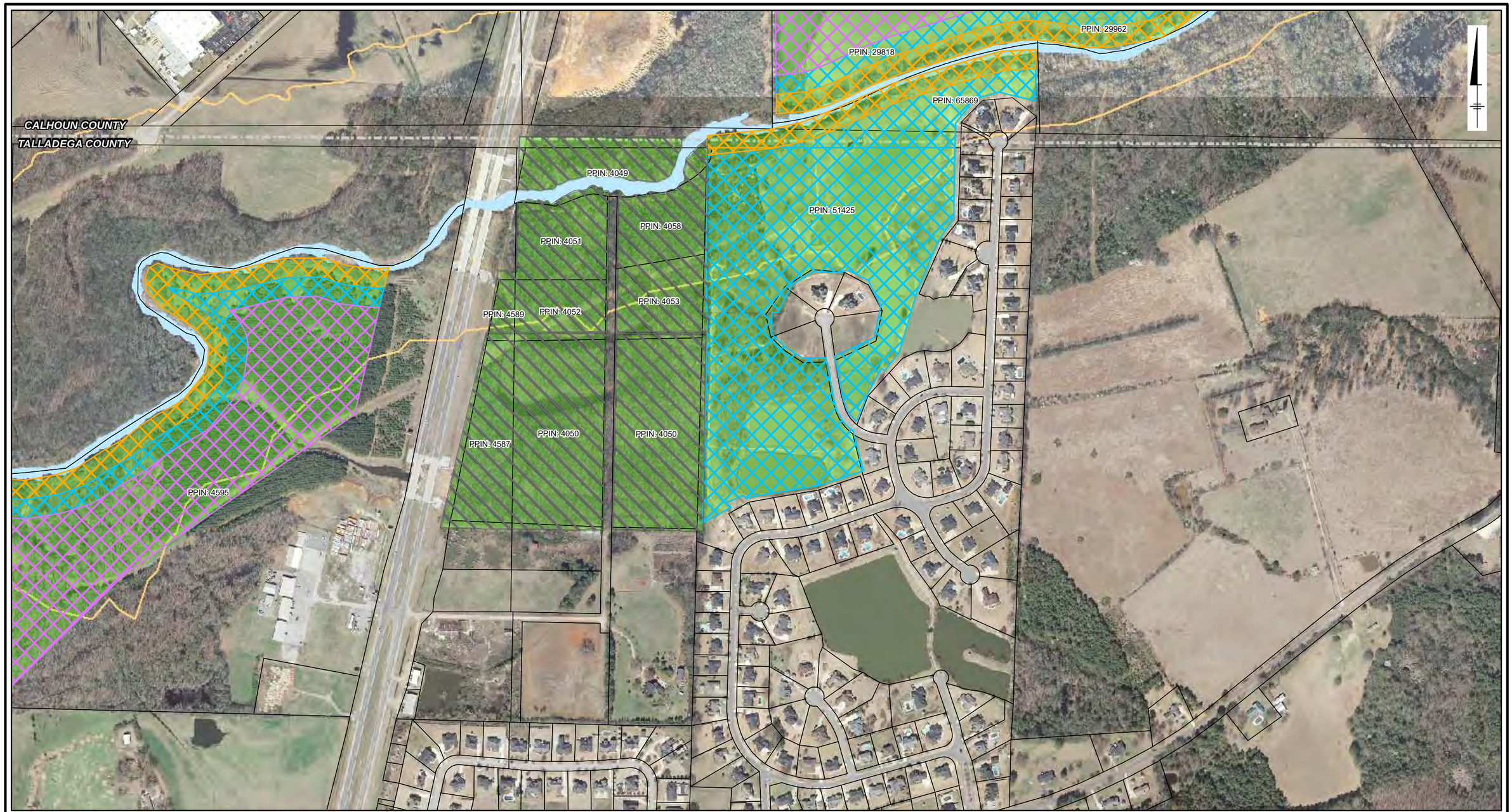
Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

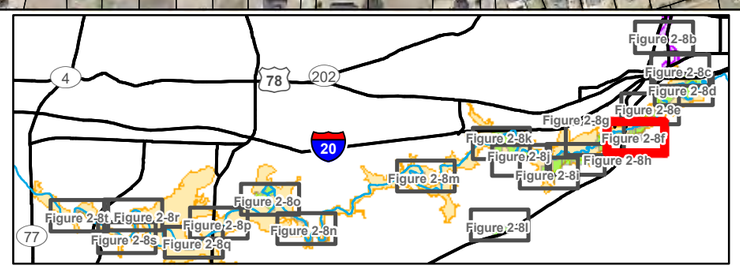
Solutia

Figure
2-8e



Legend

- Conservation Easement Zone
- Land-Trust Owned Parcels
- Zone 1
- Zone 2
- Zone 3
- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
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OU: operable unit

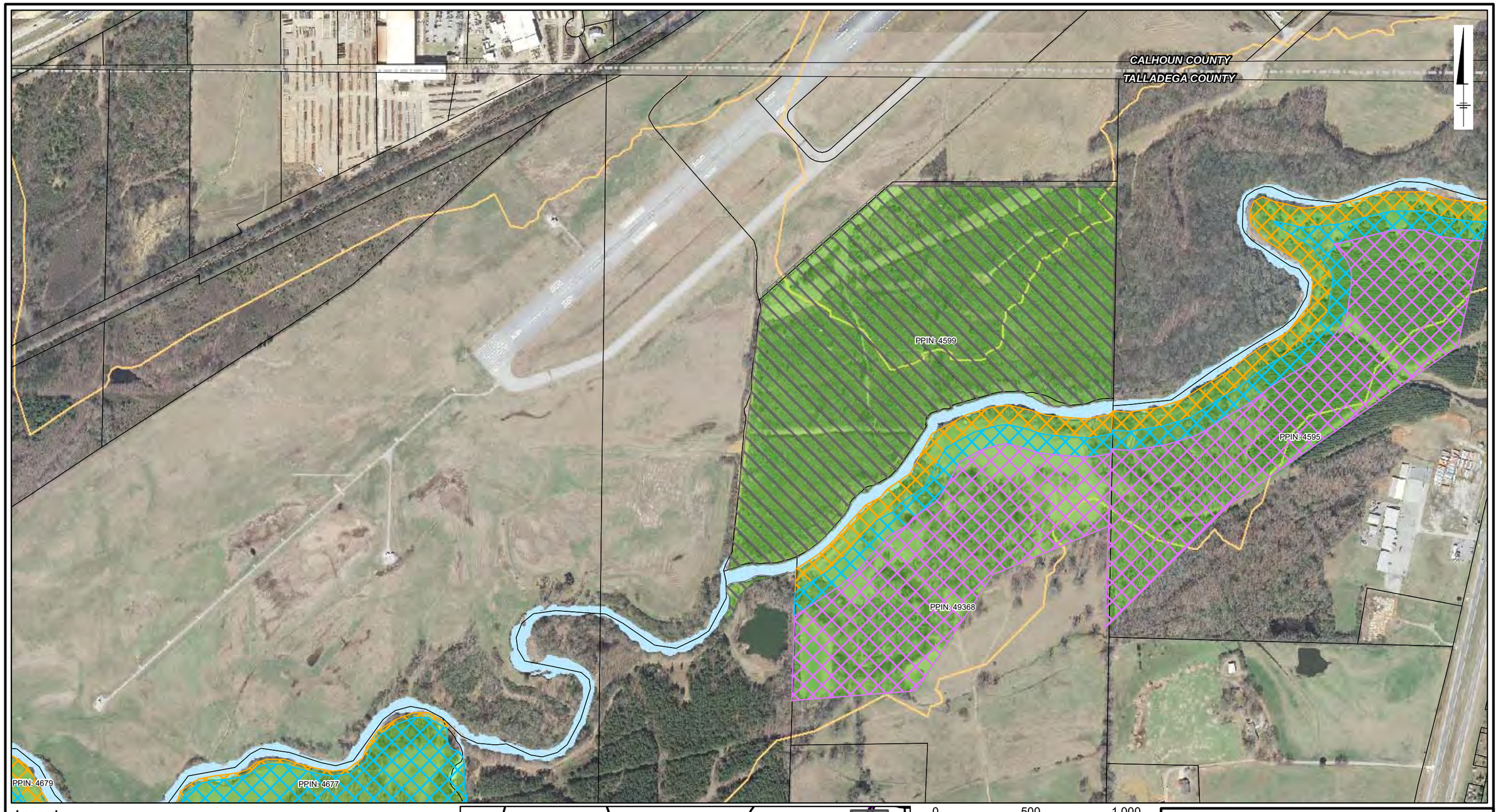
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

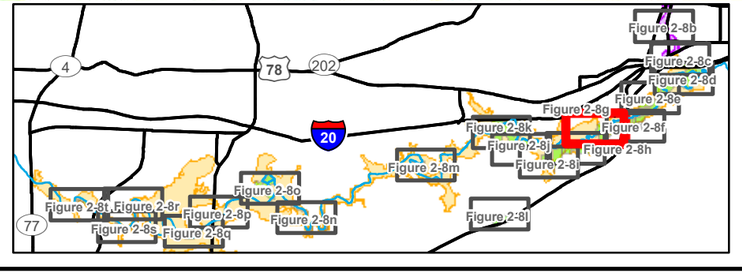
Solutia

Figure
2-8f



Legend

- Conservation Easement Zone
  - Land-Trust Owned Parcels
  - Zone 1
  - Zone 2
  - Zone 3
- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
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Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure **2-8g**

PPIN: 4599

PPIN: 49368

PPIN: 4680

PPIN: 4679

PPIN: 4677

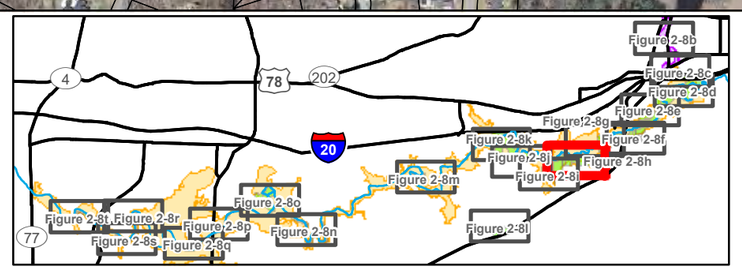
PPIN: 4681

PPIN: 4745

PPIN: 50250

Legend

- Conservation Easement Zone
- Land-Trust Owned Parcels
- Zone 1
- Zone 2
- Zone 3
- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
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Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

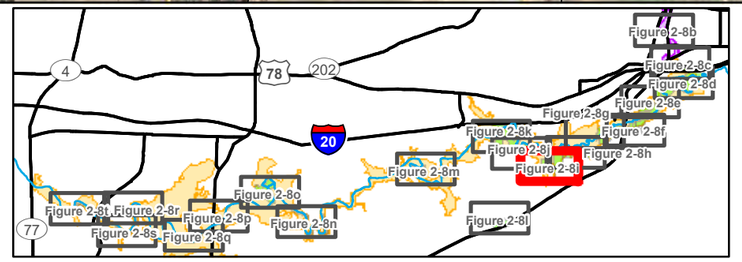
Solutia

Figure
2-8h

PPIN: 52427
PPIN: 68416
PPIN: 5067
PPIN: 4681
PPIN: 4680
PPIN: 4679
PPIN: 4677
PPIN: 4745
PPIN: 50250
PPIN: 4748

Legend

- Conservation Easement Zone
- Land-Trust Owned Parcels
- Zone 2
- Zone 3
- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
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3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8i

PPIN: 4971

PPIN: 4976

PPIN: 68517

PPIN: 4944

PPIN: 52427

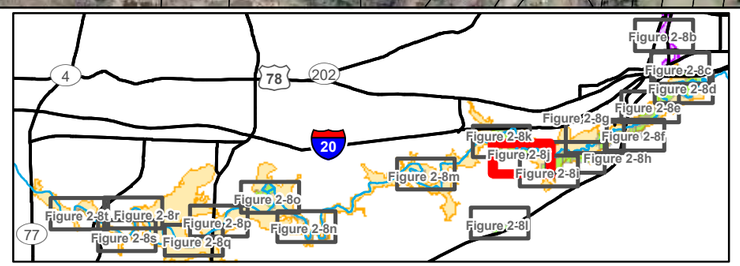
PPIN: 68416

PPIN: 5067

Legend

Conservation Easement Zone
- Zone 1
- Zone 2
- Zone 3
- Parcel Split

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

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Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8j

PPIN: 4972

PPIN: 4972

PPIN: 4971

PPIN: 4976

PPIN: 68517

PPIN: 52427

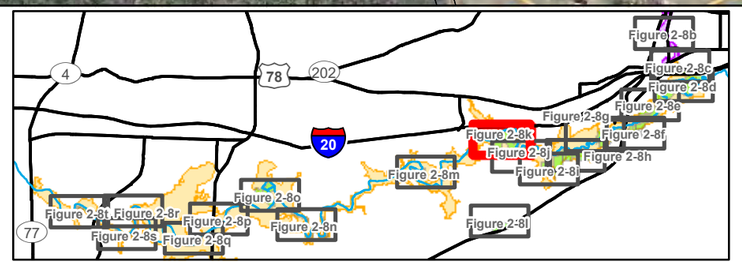
PPIN: 4944

PPIN: 68416

Legend

Conservation Easement Zone
- Zone 1
- Zone 2
- Zone 3
- Riparian Buffer Zone
- Parcel Split

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

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Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

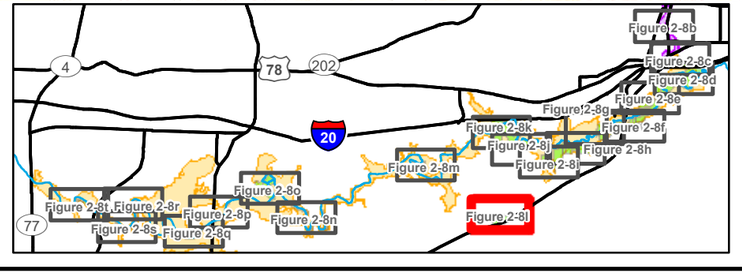
Solutia

Figure
2-8k

PPIN: 54263

Legend

- Parcels with Conservation Easement
- Parcel Boundary



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
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Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8l

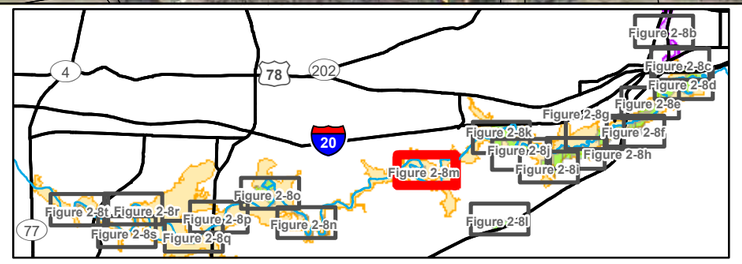
PPIN: 5345

PPIN: 5379

Legend

Conservation Easement Zone
- Zone 1
- Zone 2

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

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OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8m

PPIN: 6771

PPIN: 6787

PPIN: 6780

PPIN: 6786

PPIN: 6910

PPIN: 6788

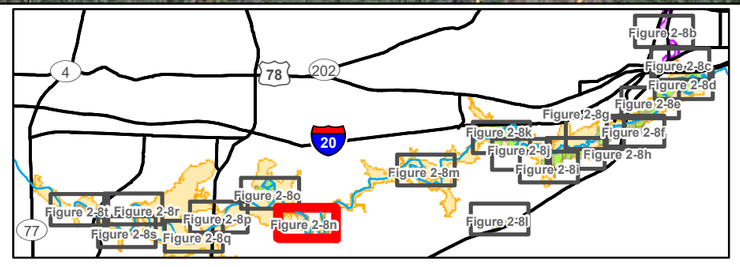
PPIN: 6836

PPIN: 6926

Legend

Conservation Easement Zone
- Zone 1
- Zone 2

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8n

PPIN: 6570

PPIN: 60541

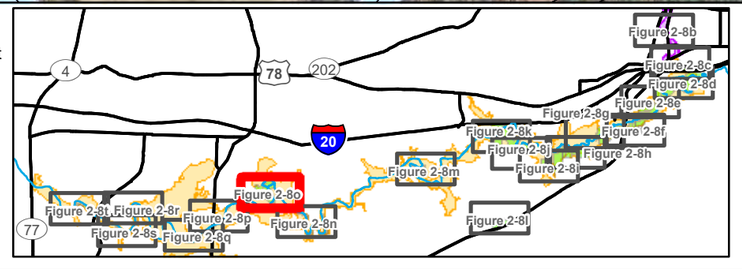
PPIN: 6569

PPIN: 6795

Legend

Conservation Easement Zone
- Zone 1
- Zone 2
- Streamside Management Zone

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8o

PPIN: 6699

PPIN: 6727

PPIN: 6727

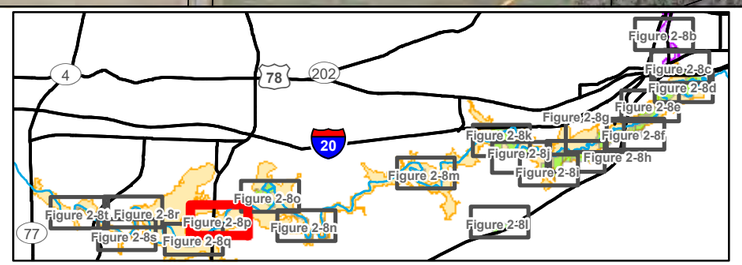
PPIN: 6731

PPIN: 6731

Legend

Conservation Easement Zone
- Zone 1
- Zone 2

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8p

PPIN: 6727

PPIN: 6699

PPIN: 6727

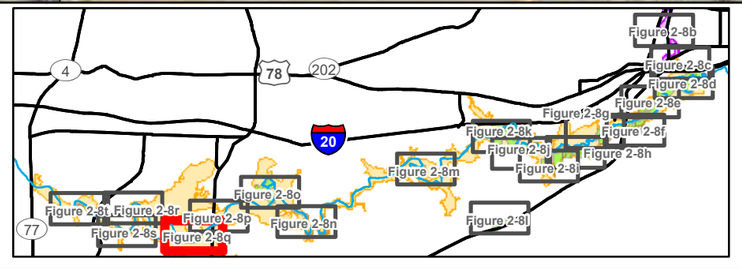
PPIN: 6731

Legend

Conservation Easement Zone

- Zone 1
- Zone 2

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

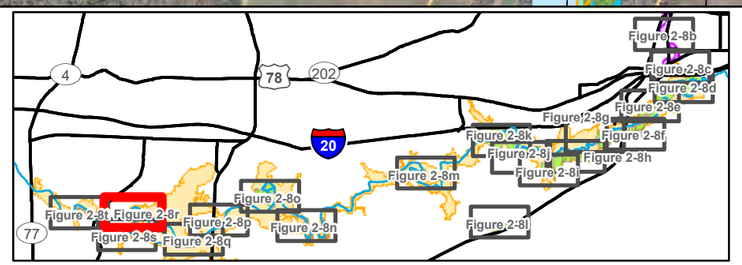
Figure
2-8q

PPIN: 8561

Legend

Conservation Easement Zone
- Zone 1
- Zone 2

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8r

PPIN: 8561

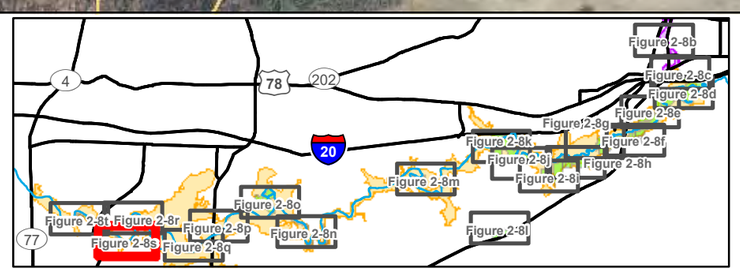
PPIN: 8565

PPIN: 8570

Legend

Conservation Easement Zone
- Zone 1
- Zone 2

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8s

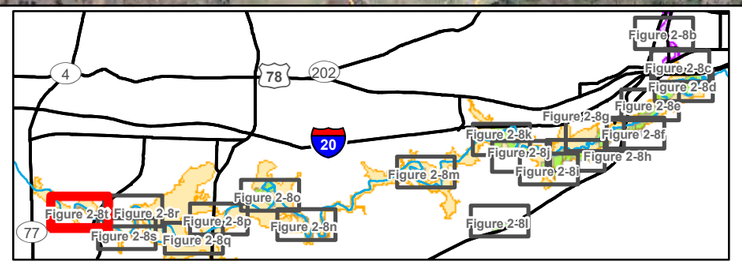
PPIN: 8486

PPIN: 8487

Legend

Conservation Easement Zone
- Zone 1
- Zone 2

- Parcels with Conservation Easement
- Creek Boundary
- Parcel Boundary
- OU-4 100-Year Floodplain



0 500 1,000 Feet

Graphic Scale

Notes:
1. The Land Trust is the Georgia-Alabama Land Trust Inc., including predecessor organizations: Alabama Land Trust, Inc. and The Chattowah Open Land Trust, Inc.
2. Easement boundaries shown were provided by the Land Trust and the tax parcel boundaries were obtained from Calhoun County and Talladega County. In some cases the easement boundaries provided by the Land Trust and the parcel boundaries provided by the Counties are not in agreement.
3. All boundaries are approximate.

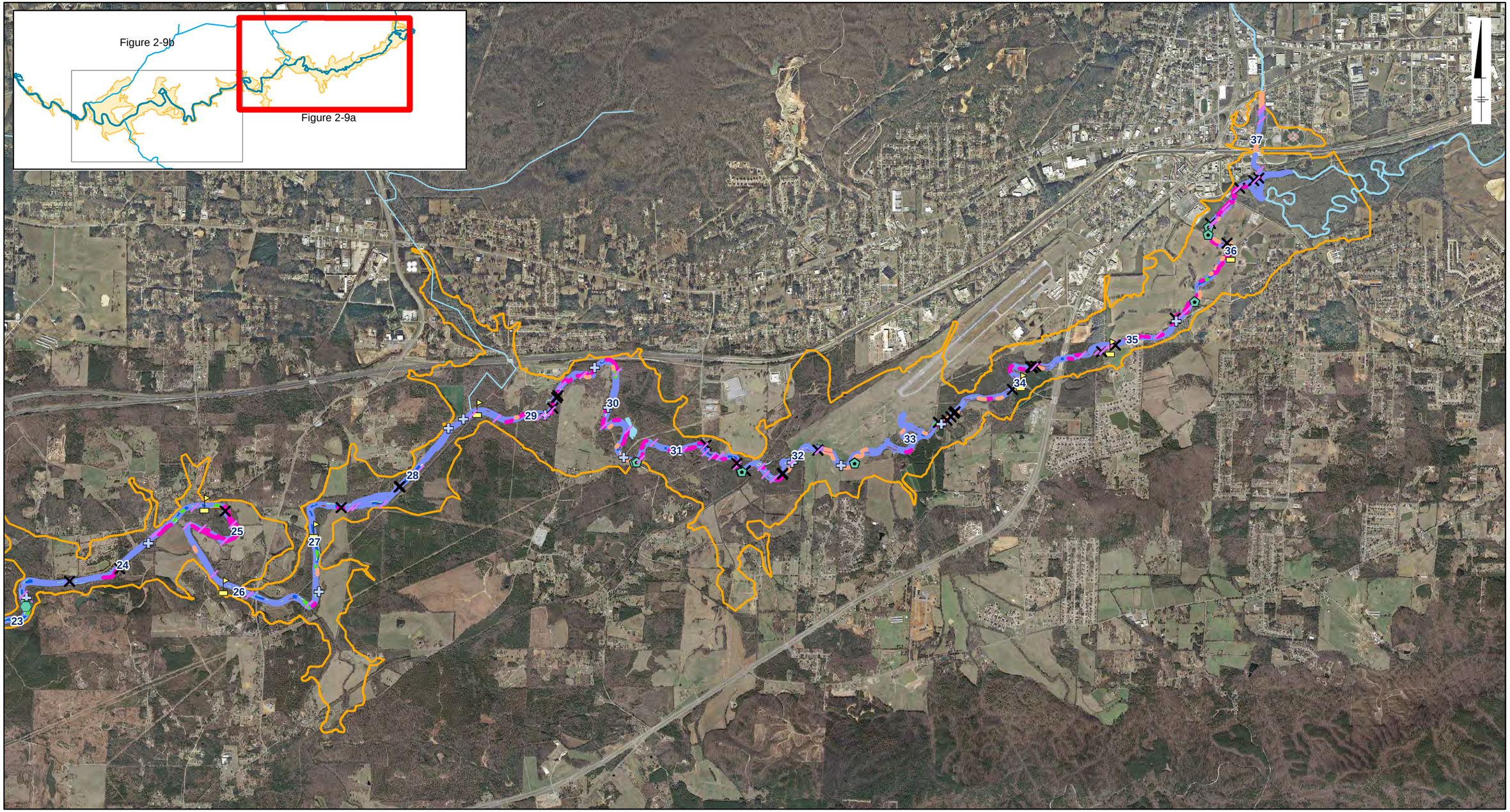
Acronyms:
OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Conservation Corridor

Solutia

Figure
2-8t



Legend

- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Bank Erosion
- Open Area
- Vegetated Shoreline
- –26– River Mile (Distance from Lake Logan Martin)
- Deposition - Bank Area
- Submerged Aquatic Vegetation
- Deposition - Area
- Riffle
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 2,750 5,500 Feet

Graphic Scale

Notes:
1. Habitat data from the Data Summary Report for Operable Unit 4 of the Anniston PCB Site (BBL 2005a).
2. OU: operable unit
   PCB: polychlorinated biphenyl
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

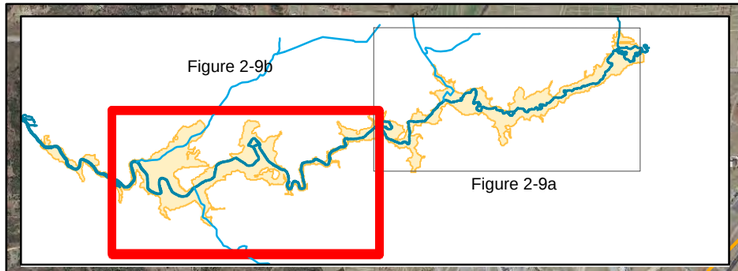
Remedial Investigation Report for OU-4

Choccolocco Creek Instream and Riparian Habitat

Solutia

Figure
2-9a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Bank Erosion
- Open Area
- Vegetated Shoreline
- –26– River Mile (Distance from Lake Logan Martin)
- Deposition - Bank Area
- Submerged Aquatic Vegetation
- Deposition - Area
- Riffle
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 2,750 5,500 Feet

Graphic Scale

Notes:
1. Habitat data from the Data Summary Report for Operable Unit 4 of the Anniston PCB Site (BBL 2005a).
2. OU: operable unit
   PCB: polychlorinated biphenyl
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Choccolocco Creek Instream and Riparian Habitat

Solutia

Figure
2-9b

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Anniston
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Snow Creek

Former Holiday Inn Infrastructure Support Project

Prime Property Infrastructure Support Project

City of Oxford Maintenance Building Infrastructure Support Project

Oxford Lake Park Interim Measures

Interstate 20 Snow Creek Bridge Infrastructure Support Project

Miracle Field Infrastructure Support Project

Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project

Choccolocco Creek Wastewater Treatment Plant Excavated Soil Stockpile Final Corrective Measure

Choccolocco Creek

State Highway 21 Bridge Final Corrective Measure

Legend

- Creek
- Final Corrective Measure Locations
- Interim Measure Location
- Infrastructure Support Project
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- Parcels

0 2,200 4,400 Feet
Graphic Scale

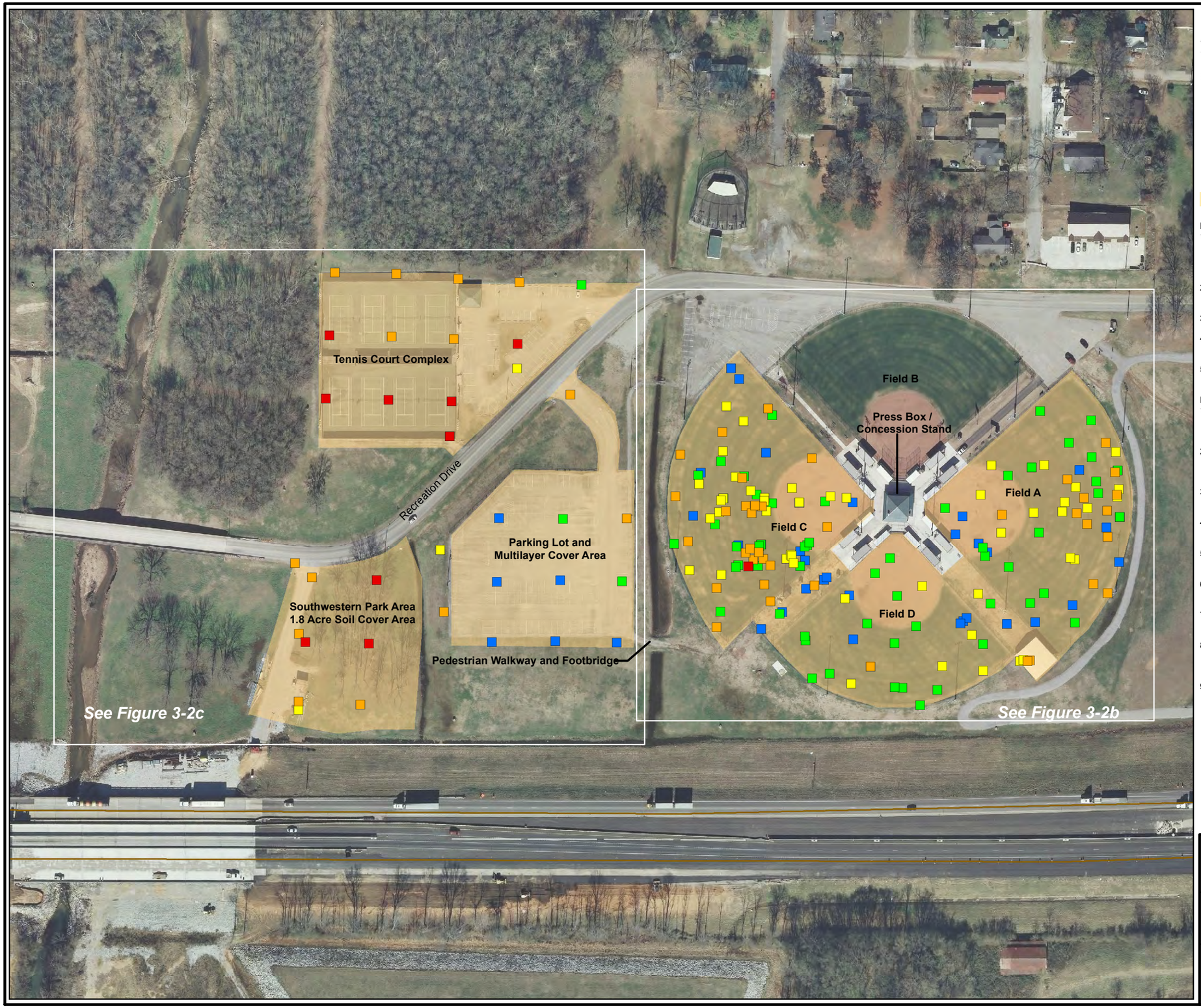
Notes:
1. OU: operable unit

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Interim Measure, Infrastructure Support and Final Corrective Measure Projects

Solutia

Figure 3-1



Legend

Total PCB Aroclor

Concentration in Soil (mg/kg) (See Note 1)

- <1
- ≥1 to <5
- ≥5 to <10
- ≥10 to <50
- ≥50
- Interim Measure Location

Notes:

1. Figure presents available PCB data in the interim measure area. The maximum PCB concentration at any depth within the limits of the cover is shown for each sample location. Analytical data are presented on Table 3-3.
2. All data represent conditions below the cover limits where constructed.
3. Refer to Figures 3-2b and 3-2c for sample identification.
4. PCB data for areas outside of the interim measure cover are not shown on this figure.
5. mg/kg: milligrams per kilogram
   PCB: polychlorinated biphenyl

References:

1. Alabama Department of Environmental Management, Memorandum Re: Authorization to Increase Discharges or Modify Facility Status, December 17, 2002.
2. Roux Associates, Inc., Corrective Measures Study Oxford Lake Softball Complex Western Portion (Revision 0), October 11, 2001.
3. Roux Associates, Inc., Parking Lot Multi-Layer Cover Interim Measures Report, September 18, 2002.
4. Roux Associates, Inc., Best Management Practice Plan Construction of Soil Cap, November 14, 2002.
5. Roux Associates, Inc., Tennis Court and Parking Area Interim Measures Report, May 30, 2003.
6. Roux Associates, Inc., Oxford Lake Softball Complex Interim Measures Report, March 24, 2004.
7. R.S. Williams and Associates, Oxford Park Softball Complex Field Lighting and Drainage Upgrades, April 2012.
8. Solutia, RCRA Facilities Investigation Results and Interim Measures Plan for the Softball Fields at the Oxford Lake Softball Complex, Oxford, Alabama, January 10, 2001.
9. Aerial imagery provided by Calhoun County, 2011.

0 150 300 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

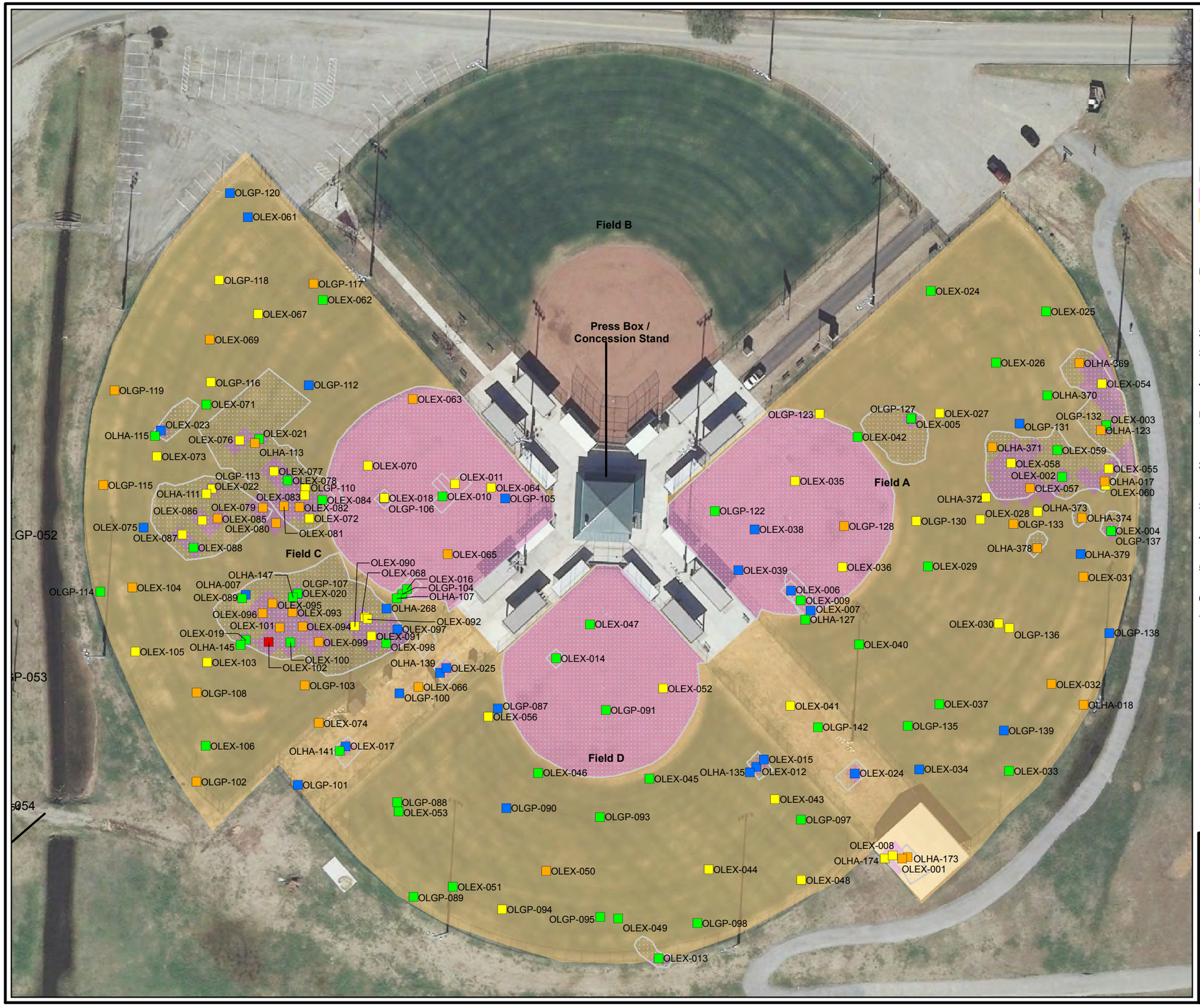
Remedial investigation Report for OU-4

Oxford Lake Park Interim Measures: Depth of Excavation

Solutia

Figure
3-2a

City: SYR Div/Group: SWG Created By: Last Saved By: TJScott
AnnistonAL
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Legend

Total PCB Aroclor

Concentration in Soil (mg/kg) (See Note 1)

- <1
- ≥1 to <5
- ≥5 to <10
- ≥10 to <50
- ≥50
- Geotextile (7)
- Interim Measure Location (1-ft Removal Area)
- Interim Measure Location (0.5-ft Removal Area)

Notes:

1. Figure presents available PCB data in the interim measure area. The maximum PCB concentration at any depth within the limits of the cover is shown for each sample location. Analytical data are presented on Table 3-3.
2. Refer to Figure 3-2a for the overall Oxford Lake Park Project Area.
3. PCB data for areas outside of the interim measure cover are not shown on this figure.
4. mg/kg: milligrams per kilogram
   PCB: polychlorinated biphenyl

References:

1. Alabama Department of Environmental Management, Memorandum Re: Authorization to Increase Discharges or Modify Facility Status, December 17, 2002.
2. Roux Associates, Inc., Corrective Measures Study Oxford Lake Softball Complex Western Portion (Revision 0), October 11, 2001.
3. Roux Associates, Inc., Parking Lot Multi-Layer Cover Interim Measures Report, September 18, 2002.
4. Roux Associates, Inc., Best Management Practice Plan Construction of Soil Cap, November 14, 2002.
5. Roux Associates, Inc., Tennis Court and Parking Area Interim Measures Report, May 30, 2003.
6. Aerial imagery provided by Calhoun County, 2011.
7. Extent of geotextile placed in the outfield areas is based on a personal communication from Jerry Hopper of R.S. Williams and Associates, on July 15, 2019.

0 70 140 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Oxford Lake Park Softball Complex - Interim Measures Excavation Depths and Geotextile Marker Layer Locations

Solutia — Ingenuity Productivity Performance

Figure **3-2b**

City: SYR Div/Group: SWG Created By: Last Saved By: TJScott
AnnistonAL
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Legend

Total PCB Aroclor

Concentration in Soil (mg/kg) (See Note 1)

- <1
- ≥1 to <5
- ≥5 to <10
- ≥10 to <50
- ≥50
- Interim Measure Location (0.5-ft Removal Area)

Notes:

1. Figure presents available PCB data in the interim measure area. The maximum PCB concentration at any depth within the limits of the cover is shown for each sample location. Analytical data are presented on Table 3-3.
2. Refer to Figure 3-2a for the overall Oxford Lake Park Project Area.
3. PCB data for areas outside of the interim measure cover are not shown on this figure.
4. mg/kg: milligrams per kilogram
   PCB: polychlorinated biphenyl

References:

1. Alabama Department of Environmental Management, Memorandum Re: Authorization to Increase Discharges or Modify Facility Status, December 17, 2002.
2. Roux Associates, Inc., Corrective Measures Study Oxford Lake Softball Complex Western Portion (Revision 0), October 11, 2001.
3. Roux Associates, Inc., Oxford Lake Softball Complex Interim Measures Report, March 24, 2004.
4. R.S. Williams and Associates, Oxford Park Softball Complex Field Lighting and Drainage Upgrades, April 2012.
5. Solutia, RCRA Facilities Investigation Results and Interim Measures Plan for the Softball Fields at the Oxford Lake Softball Complex, Oxford, Alabama, January 10, 2001.
6. Aerial imagery provided by Calhoun County, 2011.

0 75 150 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

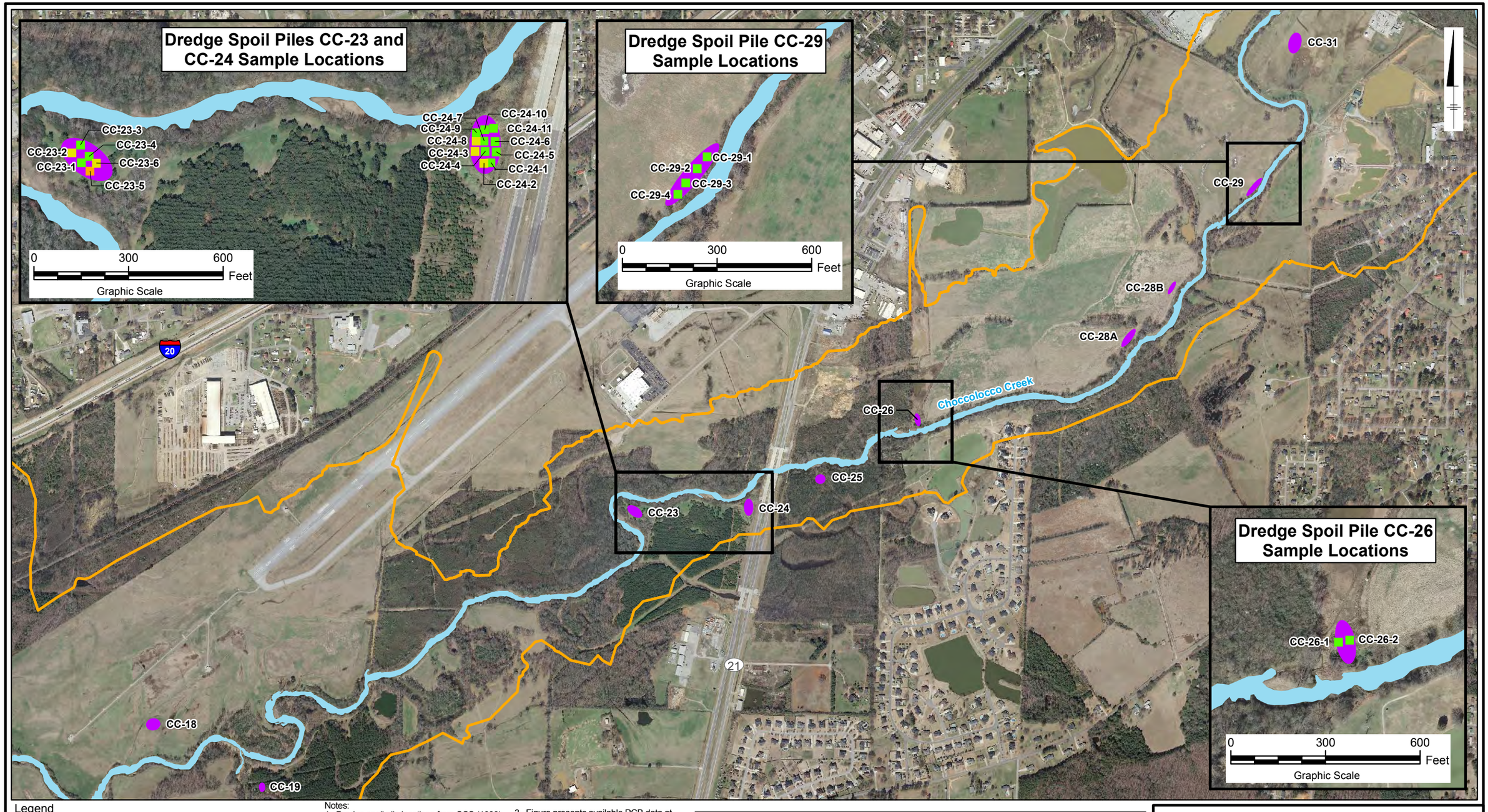
Remedial investigation Report for OU-4

Oxford Lake Park - Interim Measures for Parking Lot, Southwestern Park and Tennis Court Areas

Solutia

Figure
3-2c

City: SYR Div/Group: SWG Created By: Last Saved By: TJScott
AnnistonAL
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Legend

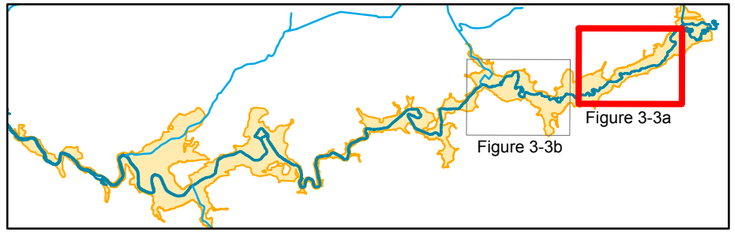
Soil Sample Location
Total PCB Aroclor Concentration (mg/kg)
- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50

OU-4 100-Year Floodplain
Choccolocco Creek
NRCS Dredge Spoil Pile
CC-18 Dredge Spoil Pile Location ID

0 1,050 2,100 Feet
Graphic Scale

Notes:
1. Dredge spoil pile locations from SCS (1989) Geomorphic Study for Choccolocco Creek Watershed to Assess Potential for Increasing Channel Capacity by Sediment Removal, August 1989, and Roux Associates Inc., Dredge Spoil Evaluation Report: Snow Creek and Choccolocco Creek Calhoun and Talladega Counties, Alabama (2012).
2. Only dredge spoil pile locations where soil samples were collected are shown in the call-out boxes.
3. Figure presents available PCB data at the dredge spoil pile locations. The maximum PCB concentration at any depth is shown for each sample location. Analytical data are presented on Table 3-4.
4. Aerial imagery provided by Calhoun and Talladega Counties.

mg/kg: milligrams per kilogram
NRCS: Natural Resources Conservation Service
PCB: polychlorinated biphenyl
OU: operable unit
SCS: Soil Conservation Service

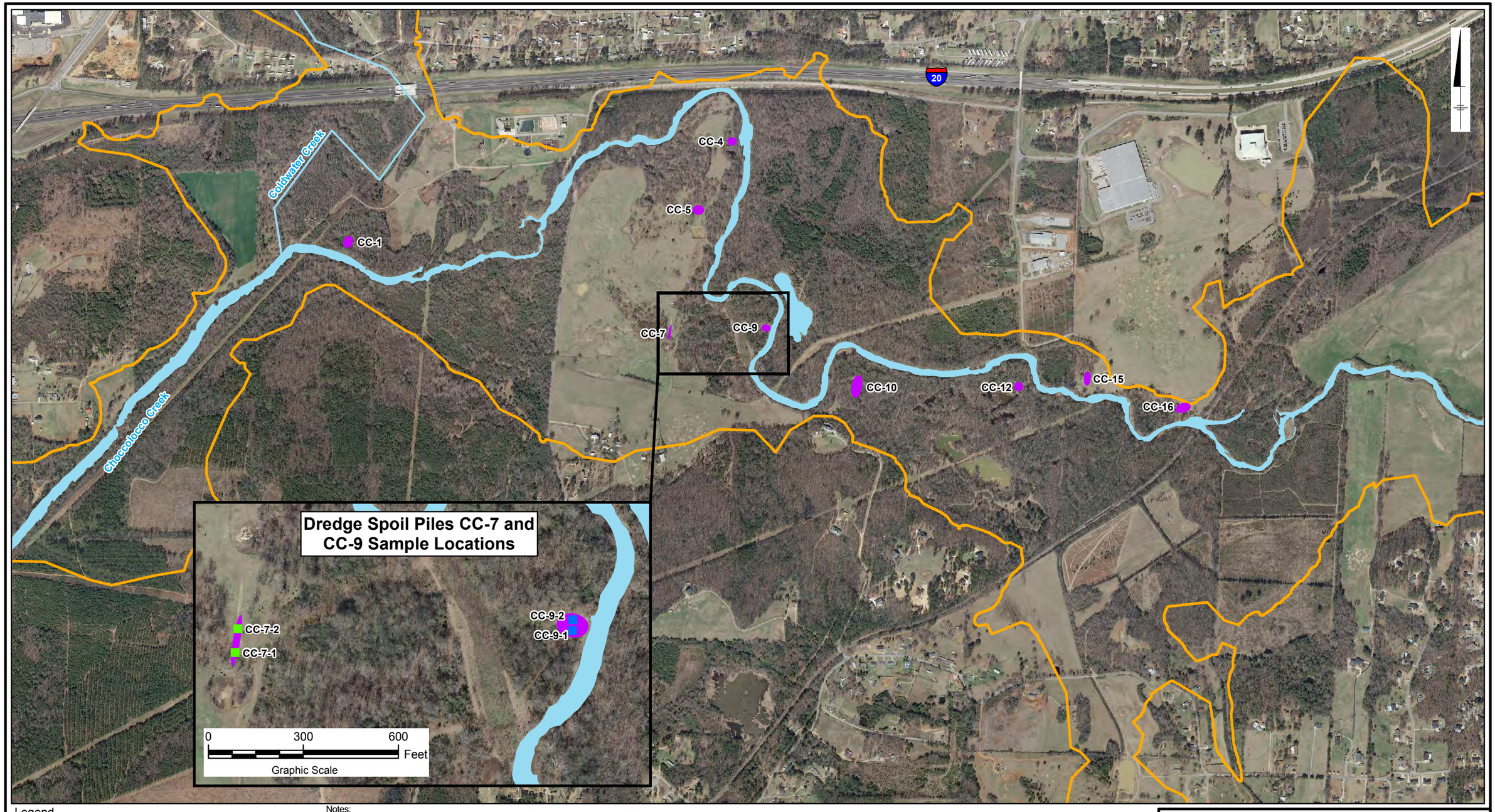


Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

NRCS Dredge Spoil Pile Locations and Total PCB Concentrations

Solutia

Figure
3-3a



Legend

Soil Sample Location
Total PCB Aroclor Concentration (mg/kg)
- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50

OU-4 100-Year Floodplain
Choccolocco Creek
NRCS Dredge Spoil Pile
CC-9 Dredge Spoil Pile Location ID

0 1,050 2,100 Feet
Graphic Scale

Notes:
1. Dredge spoil pile locations from SCS (1989) Geomorphic Study for Choccolocco Creek Watershed to Assess Potential for Increasing Channel Capacity by Sediment Removal, August 1989, and Roux Associates Inc., Dredge Spoil Evaluation Report: Snow Creek and Choccolocco Creek Calhoun and Talladega Counties, Alabama (2012).
2. Only dredge spoil pile locations where soil samples were collected are shown in the call-out boxes.
3. Figure presents available PCB data at the dredge spoil pile locations. The maximum PCB concentration at any depth is shown for each sample location. Analytical data are presented on Table 3-4.
4. Aerial imagery provided by Calhoun and Talladega Counties.

mg/kg: milligrams per kilogram
NRCS: Natural Resources Conservation Service
PCB: polychlorinated biphenyl
OU: operable unit
SCS: Soil Conservation Service

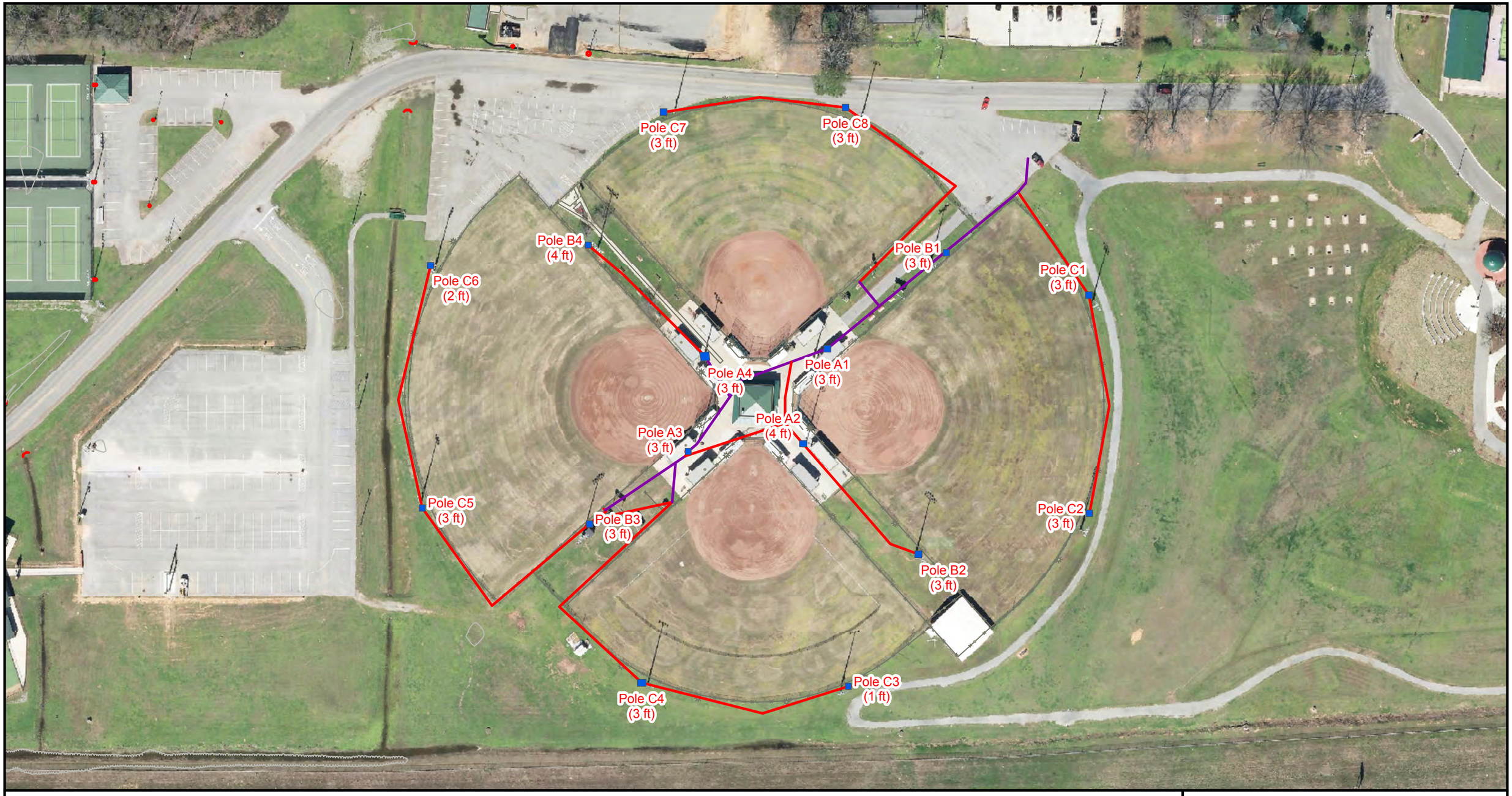


Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

NRCS Dredge Spoil Pile Locations and Total PCB Concentrations

Solutia

Figure
3-3b



Legend

- 2.5 ft Electrical Excavation Depth
- 4.5 ft Electrical Excavation Depth
- Light Pole Foundation Excavation (Depth of Area Excavation)

Notes:

1. Aerial Imagery: Calhoun County 2018 - G-Squared Photogrammetry firm
2. ft : feet

N

0 100 Feet

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Oxford Lake Softball Complex: Field Lighting and Drainage Upgrades

Solutia

Figure
3-4

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Total PCB Soil Concentrations
- < 1
- 1 - 4.99
- 5 - 9.99
- 10- 49.99
- ≥ 50

Total PCB Screening Results
- <1
- >1
- >50

Infrastructure Support Activity
- 12" Gravel Cover
- Unknown Depth
- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 10'+ Excavation/Backfill

Notes:

1. Results presented in milligram per kilogram (mg/kg).
2. PCB: polychlorinated biphenyl
3. Figure presents available PCB data in depth range. Where analytical data are unavailable, screening results (immunoassay) are shown.
4. Aerial Imagery: Calhoun County 2018 - G-Squared Photogrammetry firm

N

0 75 150 Feet

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB Results 0-2 feet

Solutia

Figure 3-5a

N:\A\Anniston\GIS\MXD\OU4 RI Figures\3-5 Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project.mxd 8/31/2019 5:24:11 PM



Total PCB Soil Concentrations
- < 1
- 1 - 4.99
- 5 - 9.99
- 10- 49.99
- ≥ 50

Total PCB Screening Results
- <1
- >1
- >50

Infrastructure Support Activity
- 12" Gravel Cover
- Unknown Depth
- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 10'+ Excavation/Backfill

Notes:

1. Results presented in milligram per kilogram (mg/kg).
2. PCB: polychlorinated biphenyl
3. Figure presents available PCB data in depth range. Where analytical data are unavailable, screening results (immunoassay) are shown.
4. Aerial Imagery: Calhoun County 2018 - G-Squared Photogrammetry firm

N

0 75 150 Feet

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB Results 2-4 feet

Solutia

Figure **3-5b**

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Total PCB Soil Concentrations

- < 1
- 1 - 4.99
- 5 - 9.99
- 10- 49.99
- ≥ 50

Total PCB Screening Results

- <1
- >1
- >50

Infrastructure Support Activity

- 12" Gravel Cover
- Unknown Depth
- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 10'+ Excavation/Backfill

Notes:

1. Results presented in milligram per kilogram (mg/kg).
2. PCB: polychlorinated biphenyl
3. Figure presents available PCB data in depth range. Where analytical data are unavailable, screening results (immunoassay) are shown.
4. Aerial Imagery: Calhoun County 2018 - G-Squared Photogrammetry firm

N

0 75 150

Feet

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Anniston, Alabama
Remedial Investigation Report for OU-4

Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB Results 4-6 feet

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Figure
3-5c

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Total PCB Soil Concentrations

- < 1
- 1 - 4.99
- 5 - 9.99
- 10- 49.99
- ≥ 50

Total PCB Screening Results

- <1
- >1
- >50

Infrastructure Support Activity

- 12" Gravel Cover
- Unknown Depth
- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 10'+ Excavation/Backfill

Notes:

1. Results presented in milligram per kilogram (mg/kg).
2. PCB: polychlorinated biphenyl
3. Figure presents available PCB data in depth range. Where analytical data are unavailable, screening results (immunoassay) are shown.
4. Aerial Imagery: Calhoun County 2018 - G-Squared Photogrammetry firm

N

0 75 150 Feet

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Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB Results 6-8 feet

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Figure 3-5d

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Total PCB Soil Concentrations
- < 1
- 1 - 4.99
- 5 - 9.99
- 10- 49.99
- ≥ 50

Total PCB Screening Results
- <1
- >1
- >50

Infrastructure Support Activity
- 12" Gravel Cover
- Unknown Depth
- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 10'+ Excavation/Backfill

Notes:

1. Results presented in milligram per kilogram (mg/kg).
2. PCB: polychlorinated biphenyl
3. Figure presents available PCB data in depth range. Where analytical data are unavailable, screening results (immunoassay) are shown.
4. Aerial Imagery: Calhoun County 2018 - G-Squared Photogrammetry firm

N

0 75 150 Feet

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Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB Results 8-10 feet

Solutia

Figure 3-5e

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Total PCB Soil Concentrations
- < 1
- 1 - 4.99
- 5 - 9.99
- 10- 49.99
- ≥ 50

Total PCB Screening Results
- <1
- >1
- >50

Infrastructure Support Activity
- 12" Gravel Cover
- Unknown Depth
- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 10'+ Excavation/Backfill

Notes:

1. Results presented in milligram per kilogram (mg/kg).
2. PCB: polychlorinated biphenyl
3. Figure presents available PCB data in depth range. Where analytical data are unavailable, screening results (immunoassay) are shown.
4. Aerial Imagery: Calhoun County 2018 - G-Squared Photogrammetry firm

N

0 75 150 Feet

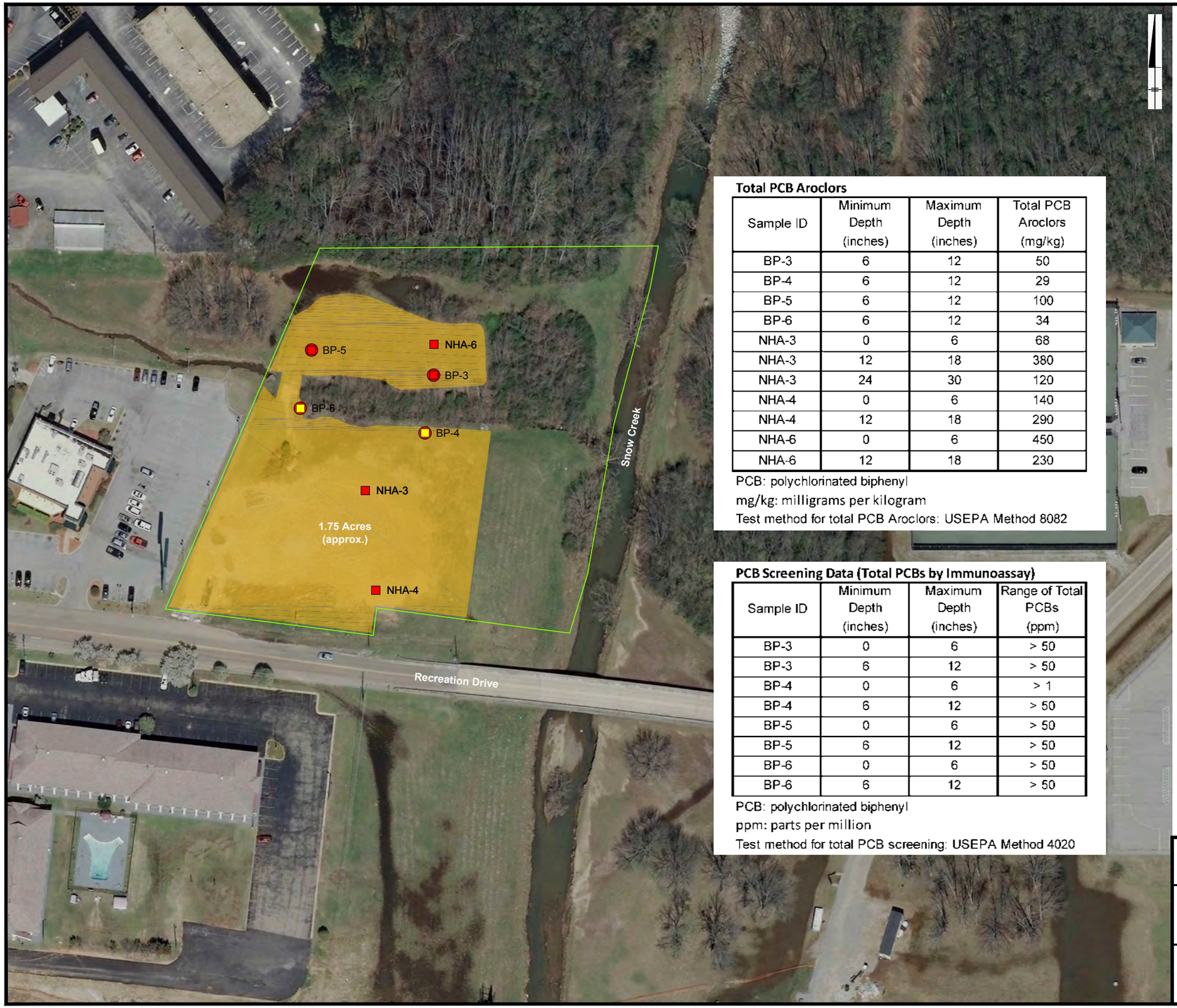
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Anniston, Alabama
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Choccolocco Creek Wastewater Treatment Plant Infrastructure Support Project PCB Results Maximum Per Location

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Figure 3-5f

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Total PCB Aroclors

Sample ID	Minimum Depth (inches)	Maximum Depth (inches)	Total PCB Aroclors (mg/kg)
BP-3	6	12	50
BP-4	6	12	29
BP-5	6	12	100
BP-6	6	12	34
NHA-3	0	6	68
NHA-3	12	18	380
NHA-3	24	30	120
NHA-4	0	6	140
NHA-4	12	18	290
NHA-6	0	6	450
NHA-6	12	18	230

PCB: polychlorinated biphenyl
mg/kg: milligrams per kilogram
Test method for total PCB Aroclors: USEPA Method 8082

PCB Screening Data (Total PCBs by Immunoassay)

Sample ID	Minimum Depth (inches)	Maximum Depth (inches)	Range of Total PCBs (ppm)
BP-3	0	6	> 50
BP-3	6	12	> 50
BP-4	0	6	> 1
BP-4	6	12	> 50
BP-5	0	6	> 50
BP-5	6	12	> 50
BP-6	0	6	> 50
BP-6	6	12	> 50

PCB: polychlorinated biphenyl
ppm: parts per million
Test method for total PCB screening: USEPA Method 4020

Legend

- Parcel Boundary
- Estimated extent of foundation improvements (See Notes 1 through 3)
- >50 mg/kg Total PCBs Aroclor
- >10 mg/kg Total PCBs Aroclor
- >50 ppm Total PCBs Screening

Notes

1. Estimated extent of foundation improvements shown have been interpreted based on historic aerial photographs and December 2012 field observations by Golder. The actual limits of the constructed cover may vary from the limits shown.

2. Figure presents available analytical and screening PCB data within the foundation improvement area. The maximum PCB concentration at any depth is shown for each sample location.

3. Data represent conditions below the foundation improvement area.

4. PCB data for areas outside of the foundation improvement area are not shown on this figure.

References

1. Aerial imagery and parcel boundary provided by Calhoun County, 2011.

2. Sampling locations obtained from Genesis Project, Inc., via email (02/04/2013).

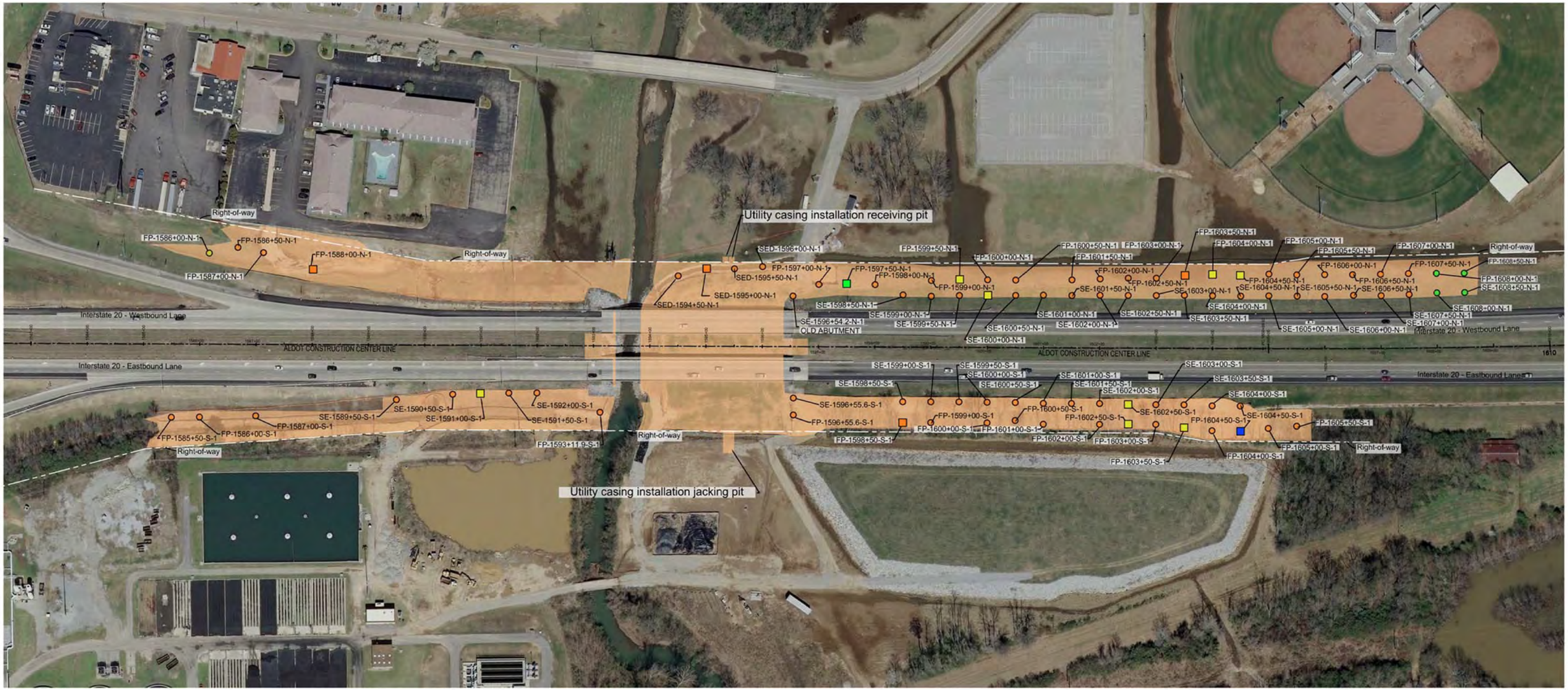
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Prime Property
Infrastructure Support Project and Total PCB Concentrations in Soil

Solutia
Ingenuity Productivity Performance

Figure
3-6



Legend:

- Infrastructure Support Area
- Total PCB screening result in soil (immunossay) (ppm) (see Note 1)
  - > 1 < 10
  - > 10 < 50
  - > 1 < 50
- Total PCB Aroclor concentrations in soil (mg/kg) (see Note 1)
  - < 1
  - ≥1 - <5
  - ≥5 - <10
  - ≥10 - <50
- Right-of-way

Notes:

1. Figure presents available PCB data in the infrastructure support area. Maximum PCB concentration at any depth for each sample location and the analytical data are presented on Table 3-6.
2. All data represent conditions below the infrastructure support area.
3. PCB data associated with soil excavated as part of the interim measure are not shown on this figure. In addition, PCB data for areas outside of the infrastructure support area are not shown on this figure.

mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl
ppm: parts per million

References:

1. Sample locations and results provided by Genesis Project, Inc., 2010 - 2013.
2. Base figure for limits of interim measures isolation covers provided by Taylor Land Surveying, Inc.
3. Aerial imagery provided by Calhoun County, 2011.

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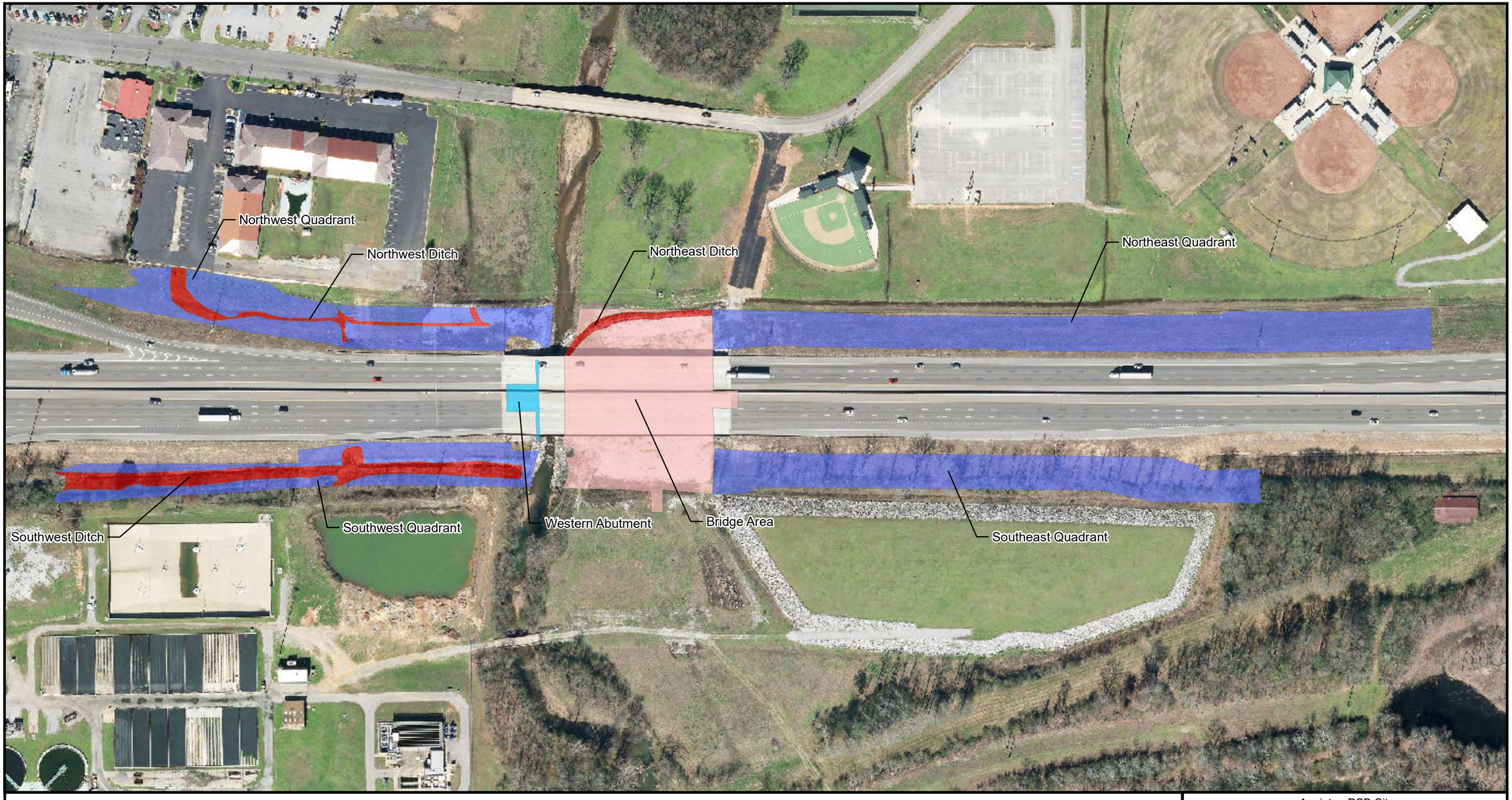
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Anniston, Alabama
Remedial Investigation Report for OU-4

Interstate 20 Infrastructure Support Project and Total PCB Concentrations in Soil

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Figure
3-7a

0066.0063.002.1007.04 – I20 UNDER



Legend

Infrastructure Support Area

- Western Abutment Area (see A)
- Quadrant Area (see B)
- Areas Under Bridge (see C)
- Ditch Area (see D)

A: Cover materials included an initial geotextile layer placed on the excavated/compacted soil surface that was overlain with a 1-foot-thick layer of clean fill, a second geotextile layer, and a final layer of riprap.

B: Cover materials included an initial geotextile layer placed on the excavated/compacted soil surface that was overlain with a minimum 1-foot-thick layer of clean fill and a vegetative layer. Portions of the Northwest Quadrant also received an additional geotextile layer that was followed with a layer of riprap to prevent erosion from localized drainage.

C: Cover materials included an initial geotextile layer placed on the excavated/compacted soil surface that was overlain with a 1-foot-thick layer of clean fill, a second geotextile layer, and a final layer of riprap.

D: Cover materials in Ditch Areas included an initial geotextile layer overlain with a layer of riprap.

Notes:
1. Aerial Imagery: Calhoun County 2018 -G Squared Photogrammetry firm
2. PCB : polychlorinated biphenyl

N

0 160 Feet

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Interstate 20 Infrastructure Support Project Cover Material Designs

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Figure 3-7b

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Legend

Total PCB Screening Result in Soil (Immunoassay) (ppm) (See Note 1)
- < 1
- >1, <50
- ≥ 50

Total PCB Aroclor Concentrations in Soil (mg/kg) (See Note 1)
- < 1
- ≥ 10, <50

Property Boundary

Geotextile Placed at Base of Excavation

Approximate Location of Fiber Optic Line

Approximate Location of Sanitary Sewer

Approximate Location of Storm Sewer

Approximate Extent of Soil Excavation with Off-site Disposal

Approximate Extent of Storm Sewer Piping and Cover (Geotextile and Soil) Placed Above Existing Soils

Approximate Area Covered with Asphalt Paving or Concrete as part of Site Redevelopment

FEMA 100-Year Floodplain Boundary

Notes:
1. Figure presents available PCB data in the redevelopment support area. The maximum PCB concentration at any depth within the limits of the redevelopment area is shown for each sample location. PCB data associated with soil excavated as part of the redevelopment activities are not shown. Analytical data is presented on Table 3-7.
2. Data represent conditions below covers where constructed.
3. mg/kg: milligrams per kilogram
   PCB: polychlorinated biphenyl
   ppm: parts per million

Reference:
1. Solutia, Inc., Former Holiday Inn Redevelopment Project Completion Report, November 2013.

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Former Holiday Inn Redevelopment Support Removal Action and Total PCB Concentrations in Soil

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FIGURE
3-8



Total PCB Aroclors

Sample ID	Minimum Depth (feet)	Maximum Depth (feet)	Total PCB Aroclors (mg/kg)
032317-1	3	3.25	6.0
032317-2	3	3.25	17
032317-3	2	2.25	59
032317-4	4	4.25	67
032317-5	4	4.25	0.19
032317-6	4	4.25	0.12
032317-7	1.5	1.75	0.37
032317-8	1.5	1.75	1.0
OLGP-002	0	0.5	13
OLGP-002	1	1.5	0.21
OLGP-003	0	0.5	7.2
OLGP-003	1	1.5	3.6
OLGP-047	0	0.5	35
OLGP-048	0	0.5	55
OLGP-048	1	1.5	0.51
OLGP-048	2	2.5	0.12
SL-CC01-16	0	0.33	34

Test method for total PCB Aroclors: USEPA Method 8082

PCB Screening Data (Total PCBs by Immunoassay)

Sample ID	Minimum Depth (feet)	Maximum Depth (feet)	Ranges of Total PCBs (ppm)
032317-2	3	3.25	>1,<50
032317-3	2	2.25	> 50
032317-5	4	4.25	>1,<50
032317-6	4	4.25	< 1
032317-7	1.5	1.75	< 1
032317-8	1.5	1.75	>1,<50
OLGP-002	0	0.5	> 50
OLGP-002	1	1.5	> 1
OLGP-002	2.5	3	< 1
OLGP-002	3.5	4	< 1
OLGP-003	0	0.5	> 50
OLGP-003	1	1.5	> 50
OLGP-003	2.5	3	> 1
OLGP-003	3.5	4	< 1
OLGP-047	0	0.5	> 50
OLGP-047	1	1.5	< 1
OLGP-047	2	2.5	> 1
OLGP-047	3.5	4	< 1
OLGP-048	0	0.5	> 50
OLGP-048	1	1.5	> 1
OLGP-048	2	2.5	> 1
OLGP-048	3.5	4	< 1
OLWL-2	0	2	< 1

Test method for total PCB screening: USEPA Method 4020

Legend

Total PCB Aroclor (mg/kg)
- <1
- >1, <50
- >50

Total PCB Screening (ppm)
- < 1
- >1, <50
- > 50

- Power Poles
- Data Communication Connection
- Infrastructure Support Area
- Utility Related Excavation Areas
- Oil and Grease Trap

Acronyms:
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl
ppm: parts per million

Notes

1. Figure presents available analytical and screening PCB data within the infrastructure support area. The maximum PCB concentration at any depth is shown for each sample location.

2. Data represent conditions below the infrastructure support area.

3. PCB data for areas outside the infrastructure support area are not shown on this figure.

0 35 70 Feet

Graphic Scale

References

1. Aerial imagery provided by Calhoun County, 2018.

2. Sampling locations obtained from Genesis Project, Inc. via email (02/04/2013).

3. Roux Associates, Inc., Corrective Measures Study Oxford Lake Softball Complex Western Portion (Revision 0), October 11, 2001.

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Remedial Investigation Report for OU-4

City of Oxford Maintenance Garage Infrastructure Support Project

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Figure 3-9

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Calhoun County

Talladega County

Choccolocco Creek

Southbound

Northbound

Underground Gas Line Right of Way

21

A

A'

B

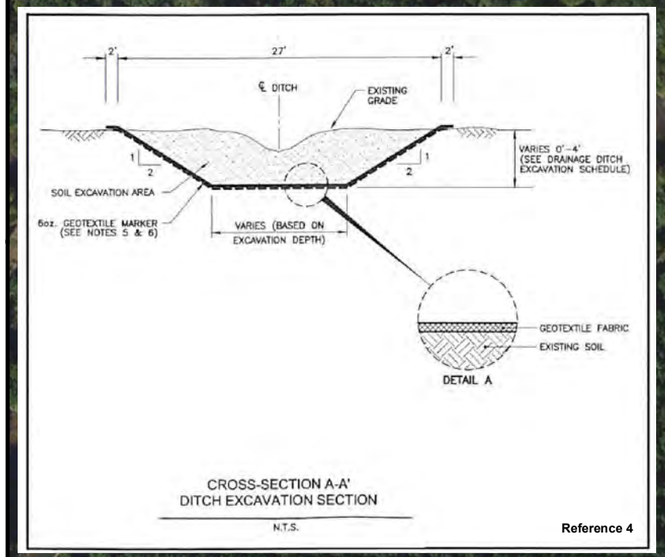
B'

SP-1 SP-2 SP-3 SP-4 SP-5 JP-1 JP-2 JP-3 JP-4

RP-1 RP-2 RP-3 RP-4

UT-I-1 UT-I-2 UT-I-3 UT-I-4 UT-I-5 UT-I-6

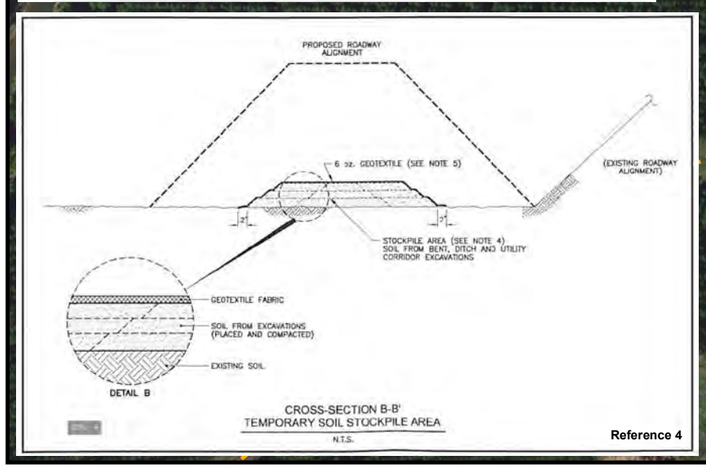
UT-1 UT-2 UT-3 UT-4 UT-5 UT-6 UT-7 UT-8 UT-9 UT-10 UT-11 UT-12 UT-13 UT-14 UT-15 UT-16 UT-17 UT-18 UT-19 UT-20 UT-21 UT-22 UT-23 UT-24 UT-25 UT-26 UT-27 UT-28 UT-29 UT-29.5 UT-30 UT-31 UT-32 UT-33 UT-34 UT-35 UT-36 UT-37 UT-38 UT-39 UT-39.5 UT-40 UT-40.5



CROSS-SECTION A-A'
DITCH EXCAVATION SECTION

N.T.S.

Reference 4



CROSS-SECTION B-B'
TEMPORARY SOIL STOCKPILE AREA

N.T.S.

Reference 4

Total PCB Soil Concentration

Station ID	Depth	Total PCB in Soil (mg/kg)
UT-1	72-78"	0.04
UT-2	72-78"	BDL
UT-3	72-78"	1.2
UT-4	72-78"	BDL
UT-5	72-78"	BDL
UT-6	72-78"	BDL
UT-7	72-78"	BDL
UT-8	72-78"	0.18
UT-9	72-78"	BDL
UT-10	72-78"	0.22
UT-11	72-78"	BDL
UT-12	72-78"	BDL
UT-13	72-78"	BDL
UT-14	72-78"	BDL
UT-15	72-78"	BDL
UT-16	72-78"	BDL
UT-17	72-78"	BDL
UT-18	72-78"	BDL
UT-19	72-78"	BDL
UT-20	72-78"	BDL
UT-21	72-78"	0.17
UT-22	72-78"	BDL
UT-23	72-78"	BDL
UT-24	72-78"	BDL
UT-25	72-78"	BDL
UT-26	72-78"	0.13
UT-27	72-78"	BDL
UT-28	72-78"	0.051
UT-29	72-78"	0.61
	84-90"	0.04
UT-29.5	72-78"	0.23
UT-30	72-78"	0.13
UT-31	72-78"	BDL
UT-32	72-78"	BDL
UT-33	72-78"	0.2
UT-34	72-78"	BDL
UT-35	72-78"	0.59
UT-36	72-78"	BDL
UT-37	72-78"	BDL
UT-38	72-78"	0.27
UT-39	72-78"	BDL
UT-39.5	72-78"	0.064
UT-40	72-78"	4.1
	84-90"	0.24
UT-40.5	72-78"	BDL
UT-I-6	72-78"	BDL
UT-I-5	72-78"	0.98
UT-I-4	72-78"	0.24
UT-I-3	72-78"	0.044
UT-I-2	72-78"	0.42
UT-1-1	72-78"	0.64
RP-1	72-78"	BDL
RP-2	72-78"	BDL
RP-3	72-78"	0.19
RP-4	72-78"	0.18
JP-1	72-78"	BDL
JP-2	72-78"	BDL
JP-3	72-78"	BDL
JP-4	72-78"	BDL
SP-1	72-78"	0.4
SP-2	72-78"	1.4
SP-3	72-78"	1.5
SP-4	72-78"	BDL
SP-5	72-78"	BDL

Legend

Total PCB Soil Concentration

- Below Detection Limit
- <1
- ≤5
- >5

1-Foot Soil and Vegetative Cover (Reference 1)

Riprap Cover (Reference 1)

County Boundary

Notes

1. All excavations for roadway, bridges, utility and other components of the project were completed to achieve a PCB concentration in the bottom of excavation of less than 1mg/kg. Excavated soils containing less than 50 mg/kg were consolidated and capped within the roadway embankments as shown in Cross Section B-B'. Excavated soilds with PCB concentrations that were greater than or equal to 50 mg/kg were disposed of off-site at Waste Management's Emelle Hazardous Waste Landfill. When backfill soils were required, clean materials were used.

2. The final corrective measure covers included a geotextile marker layer over PCB-containing soils that were placed within the roadway embankments (see Cross-Section B-B'). All PCB-containing soils were then covered with a 1-foot minimum layer of clean fill materials.

3. PCB data for areas outside of the corrective measures are not shown on this figure.

BDL : below detection limit
mg/kg : milligram per kilogram
PCB : polychlorinated biphenyl

References

1. Solutia Inc. 2004. "Phase I Completion Report, Corrective Measures Implementation, USEPA I.D. No. ALD 004 019 048, Highway 21 Bridge at Choccolocco Creek, Alabama D.O.T. Project BR-0021(500), Talladega and Calhoun Counties, Alabama." July 22nd.

2. Solutia Inc. 2008. "Phase II/FInal Completion Report, Corrective Measures Implementation, USEPA I.D. No. ALD 004 019 048, Highway 21 Bridge at Choccolocco Creek, Alabama D.O.T. Project BR-0021(500), Talladega and Calhoun Counties, Alabama." March.

3. Post Construction Record Survey. Taylor Land Surveying Inc. 2007 "Limits of Soil Cover at Highway 21 Bridge at Choccolocco Creek." February 9th.

4. URS Greiner Woodward Clyde. 2000. "RFI Results and Interim Measures Plan, Alabama D.O.T. Project No: STPAA-62(15) on S.R. 21 from Cooper Lane to Existing 4-Lane at Oxford, Talladega/Calhoun Counties, Second Revision." August 9th

5. Aerial Imagery: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0 100 200

Feet

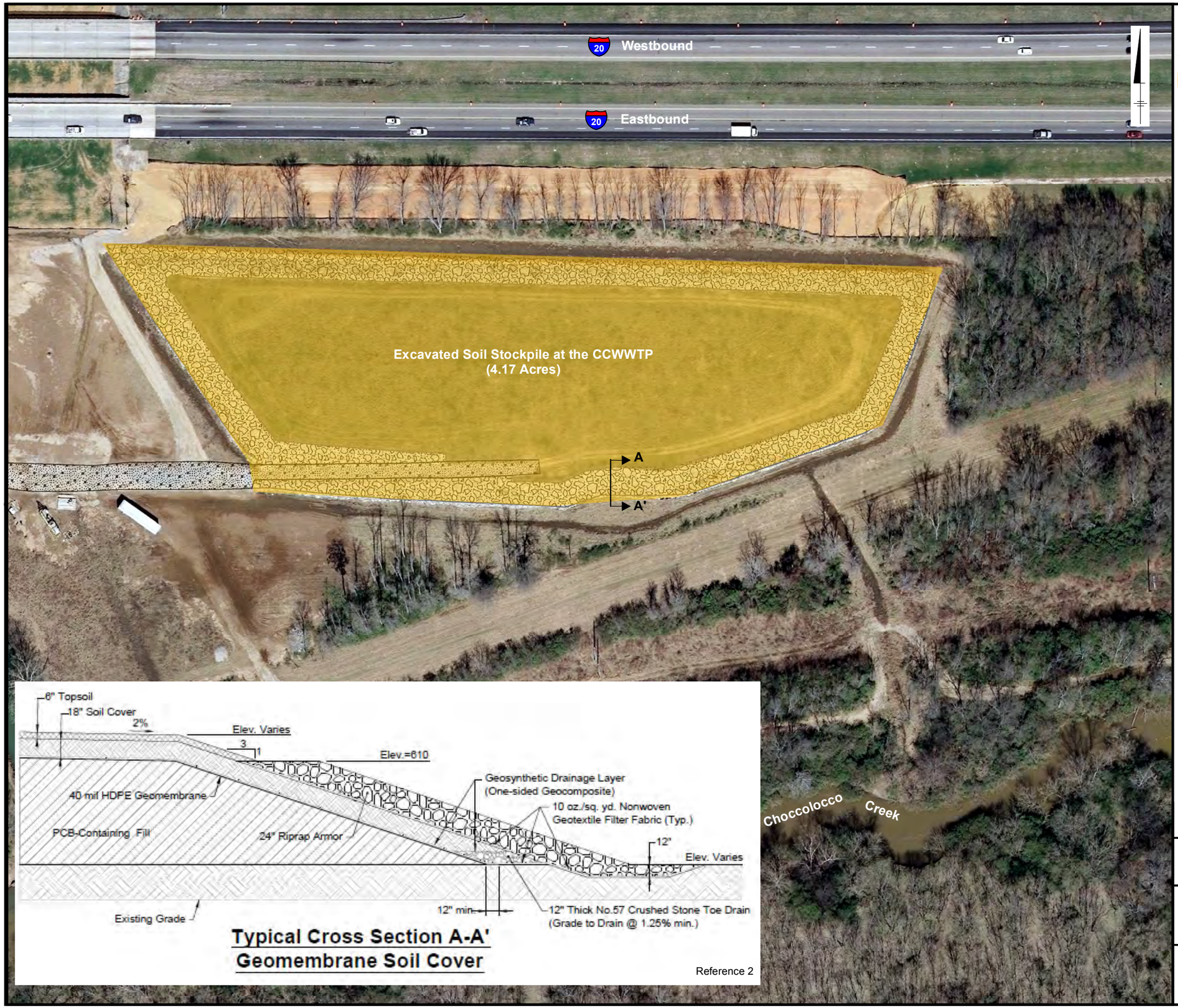
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Highway 21 Bridge at Choccolocco Creek Final Corrective Measure

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Figure
3-10

N:\A\Anniston\GIS\MXD\OU4 RI Figures\3-10 Highway 21 at Choccolocco Creek.mxd 8/22/2019 1:24:44 PM



Legend

- Geomembrane Soil Cover (Reference 1, See Typical Cross Section A-A')
- Riprap Armor
- Gravel

Notes

1. The cover system is comprised of a 40 mil high density polyethylene (HDPE) geomembrane, a geosynthetic drainage layer and is overlain with 18" of soil cover and 6" of topsoil or 24" of riprap armor as shown in Typical Cross Section A-A'.

2. PCB data for areas outside of the Corrective Measure are not shown on this figure.

CCWWTP: Choccolocco Creek Wastewater Treatment Plant
PCB: polychlorinated biphenyl

References

1. Roux Associates, Inc. 2007. "Final Corrective Measures Implementation Report." May.

2. Post Construction Record Survey by Taylor Land Surveying Inc. 2007. "Soil Management Cover at Choccolocco Creek Waste Water Treatment Plant." January.

3. Aerial imagery provided by Calhoun County, 2011.

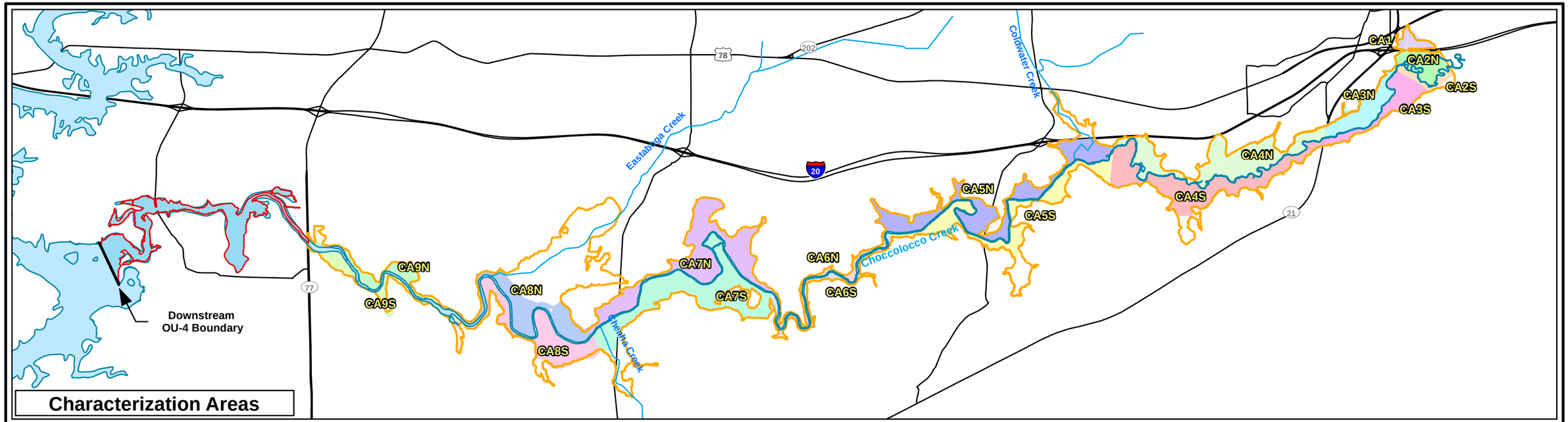
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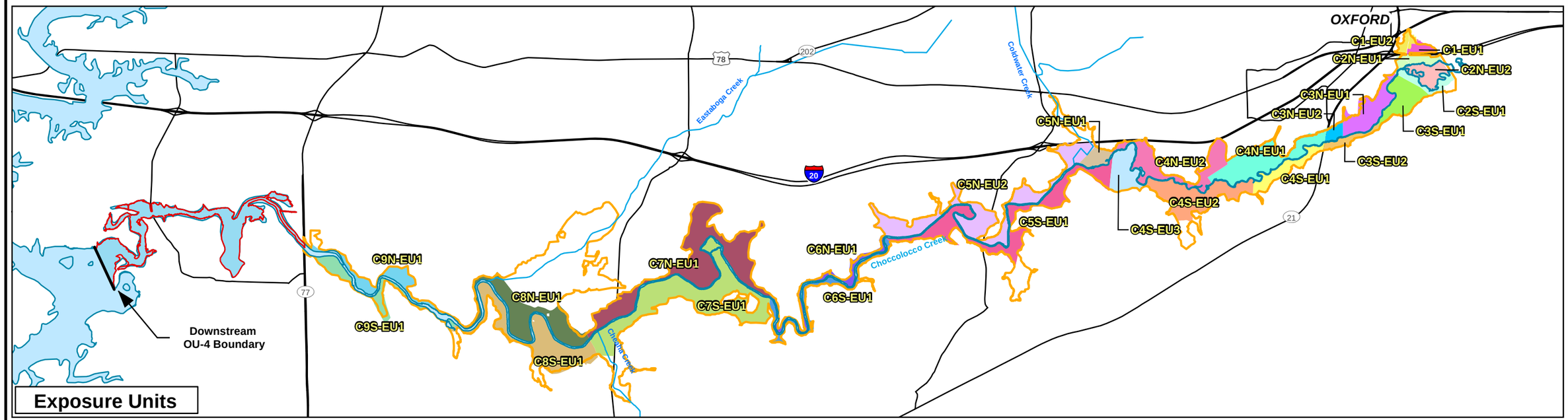
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Excavated Soil Stockpile at the CCWWTP Final Corrective Measure

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Figure 3-11





Legend

- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)
- OU-4 100-Year Floodplain
- Choccolocco Creek
- Streets (Local)

0 7,000 14,000 Feet

Graphic Scale

Note:
OU: operable unit

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Anniston, Alabama

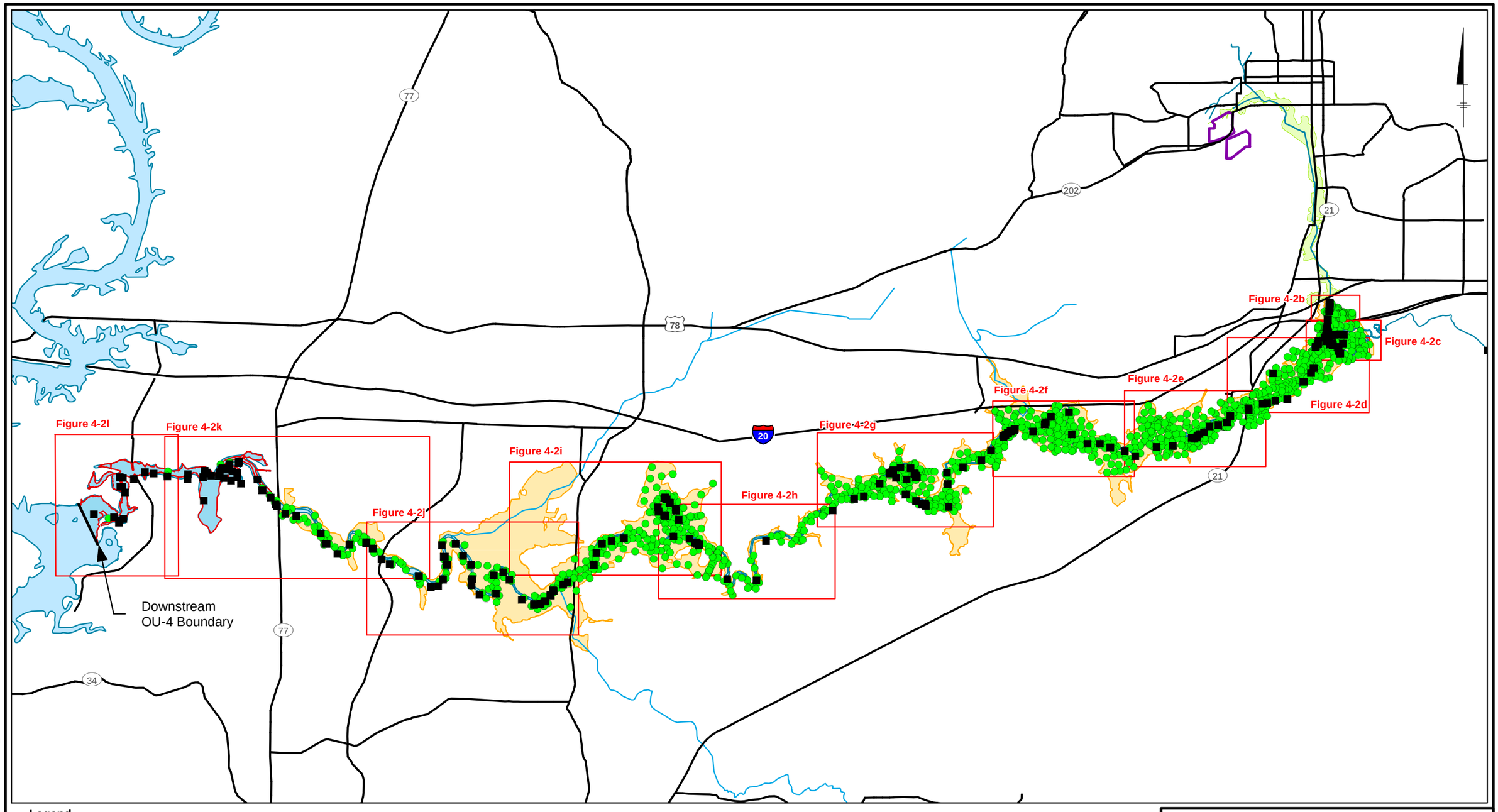
Remedial Investigation Report for OU-4

Operable Unit 4 Characterization Areas and Exposure Units

Solutia

Figure
4-1

City: SYR Div/Group: SWG Created By: Last Saved By: TJScott
AnnistonAL
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Legend

- Soil Sample Location
- Sediment Sample Location
- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- CHOCCOLOCCO/SNOW CREEK

0 8,250 16,500 Feet

Graphic Scale

Notes:
1. OU: operable unit

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Key for Nonresidential Floodplain Soil and Sediment Sample Locations Figures

Solutia

Figure 4-2a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\ALL\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-2a_OU4_sedsoil_programs_Keymap.mxd 8/20/2019 4:34:55 PM

C1W

C1E

C2N

Legend

Soil Program
- Oxford Lake Park
- Other Soil Characterization Program

Sediment Program
- RI/FS Sediment
- RFI Sediment

- OU-4 100-Year Floodplain

Characterization Area
- C1E
- C1W
- C2N

0 220 440 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study

2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

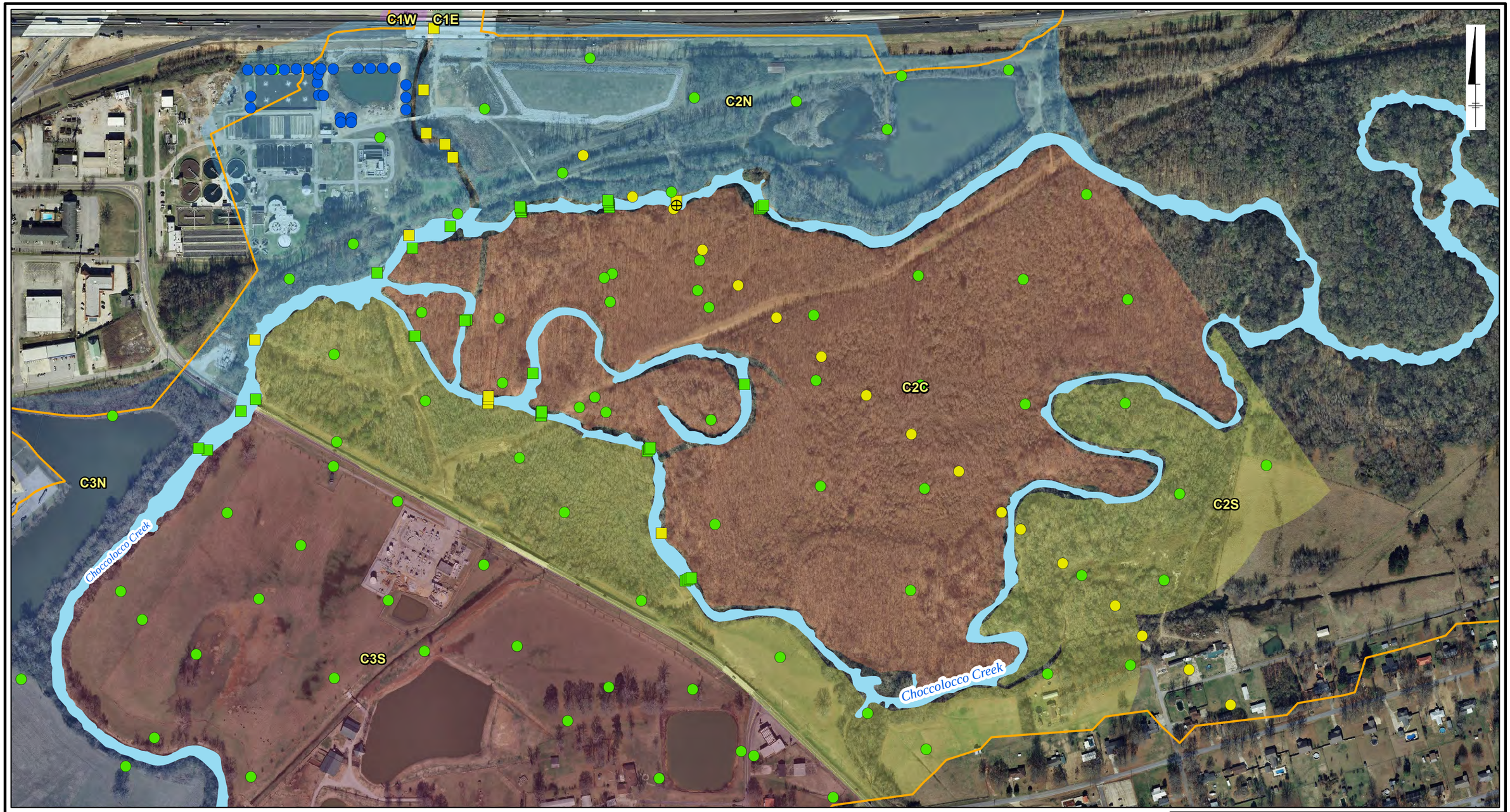
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure 4-2b

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Anniston
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Legend

Soil Program
- RI/FS Soil
- RFI Soil
- RFI Soil -Top of Bank
- WWTP

Sediment Program
- RI/FS Sediment
- RFI Sediment
- OU-4 100-Year Floodplain

Characterization Area
- C1E
- C1W
- C2C
- C2N
- C2S
- C3N
- C3S

Choccolocco Creek

0 340 680 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

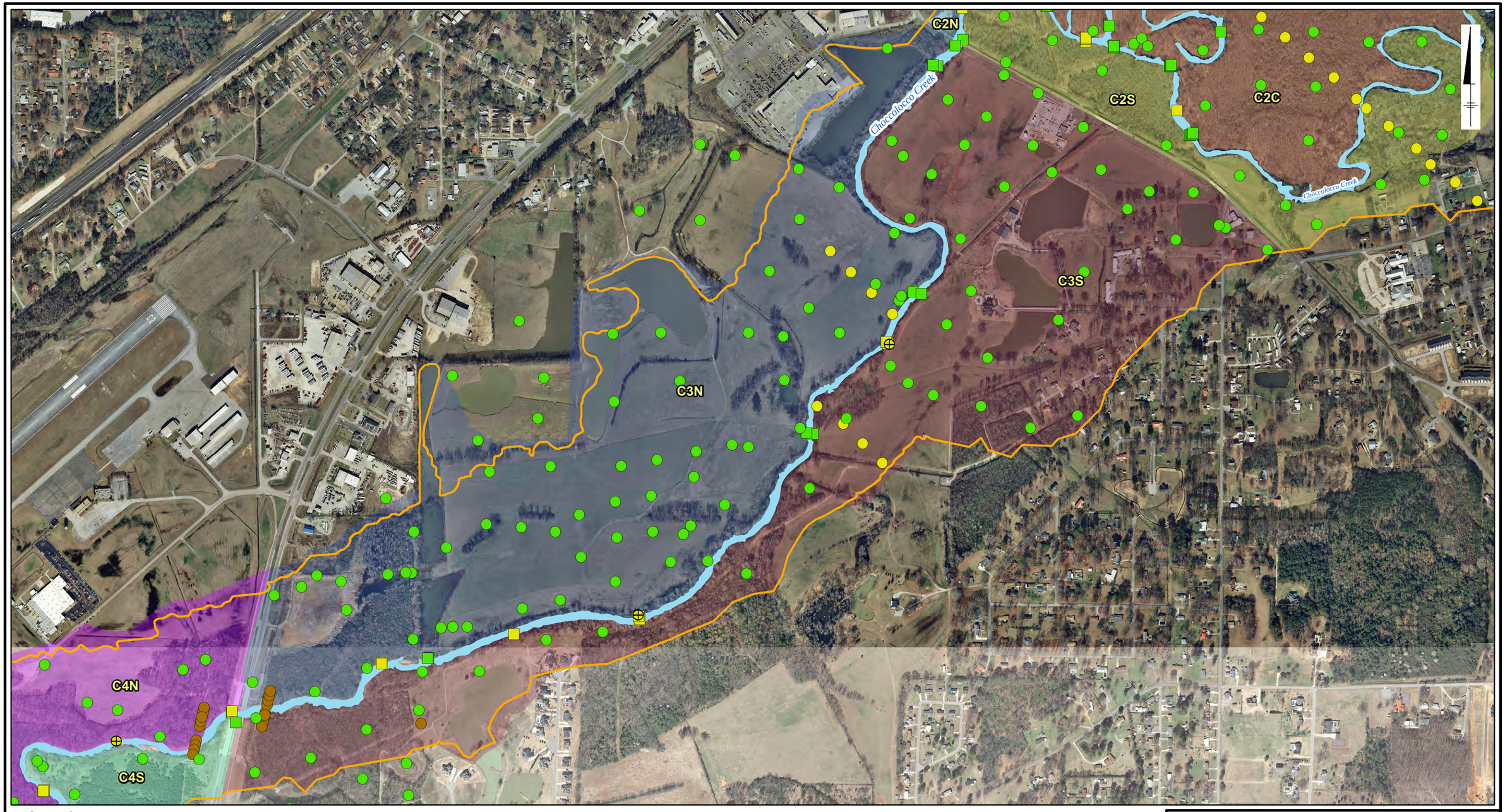
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Program
- RI/FS Soil
- RFI Soil
- RFI Soil -Top of Bank
- Other Soil Characterization Program

Sediment Program
- RI/FS Sediment
- RFI Sediment
- OU-4 100-Year Floodplain

Characterization Area
- C2C
- C2N
- C2S
- C3N
- C3S
- C4N
- C4S
- Choccolocco Creek

0 650 1,300 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study

2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

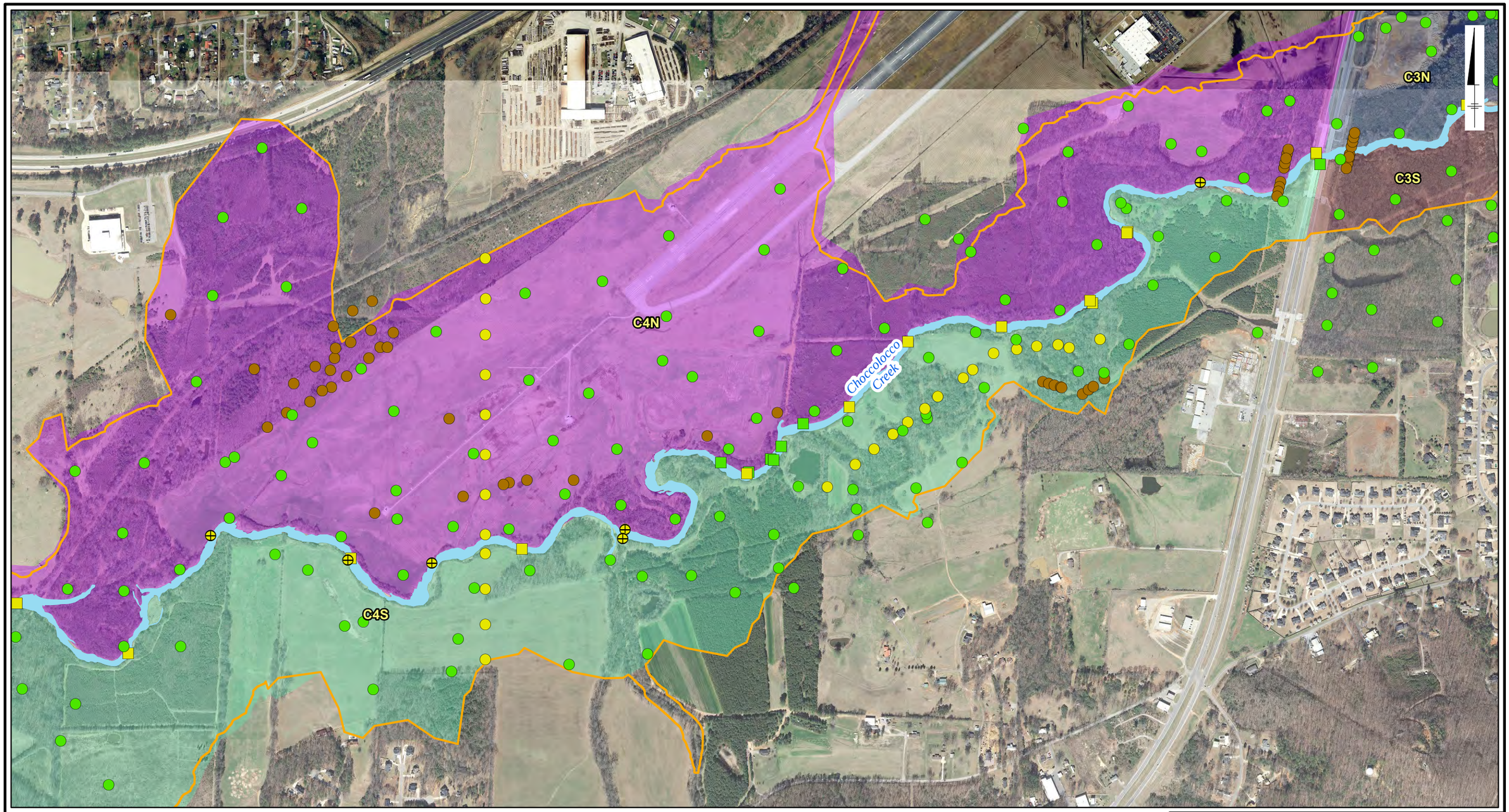
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Program
- RI/FS Soil
- RFI Soil
- RFI Soil -Top of Bank
- Other Soil Characterization Program

Sediment Program
- RI/FS Sediment
- RFI Sediment
- OU-4 100-Year Floodplain

Characterization Area
- C3N
- C3S
- C4N
- C4S
- Choccolocco Creek

0 650 1,300 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

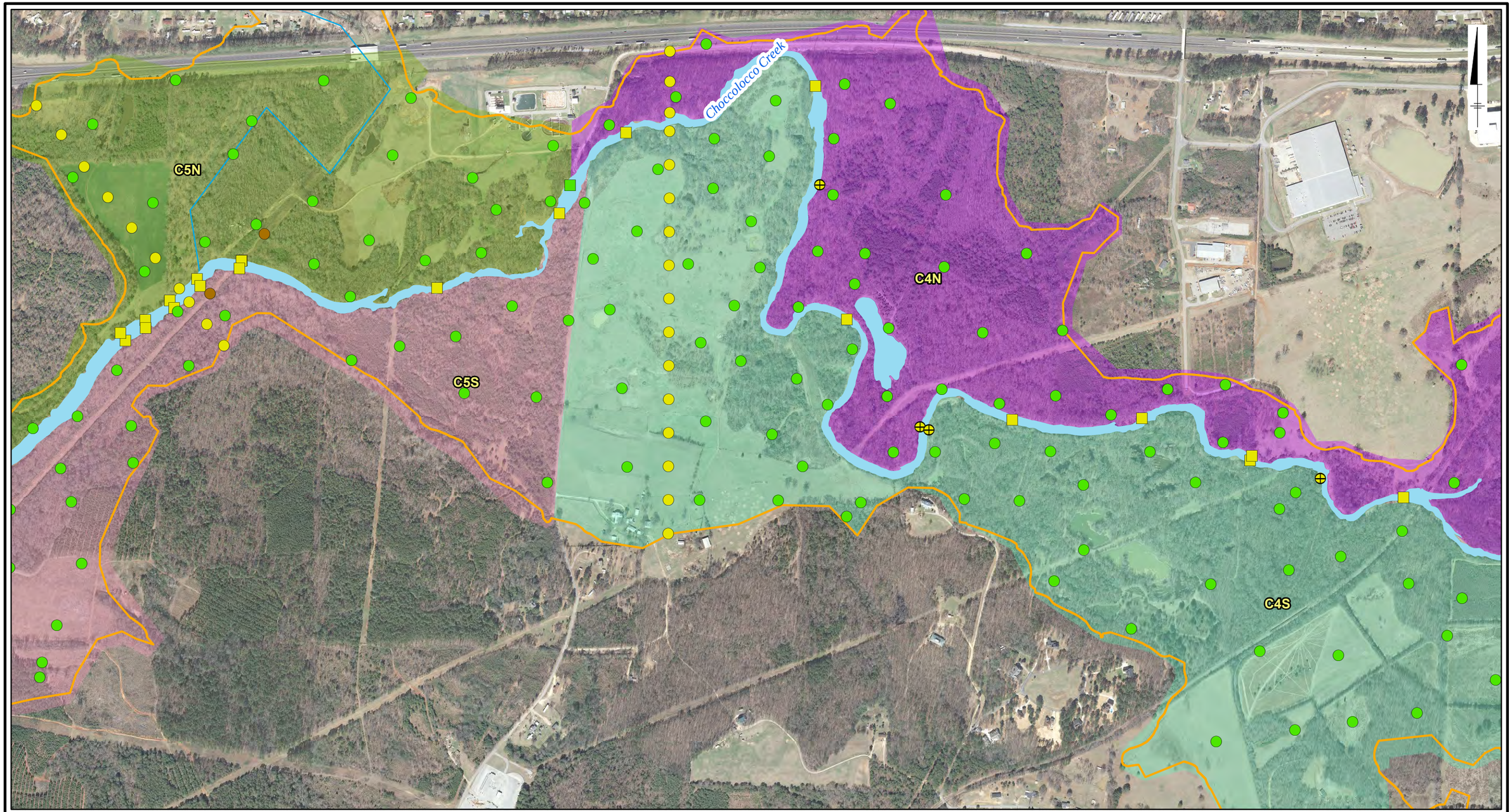
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2e

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Anniston
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Legend

Soil Program
- RI/FS Soil
- RFI Soil
- RFI Soil -Top of Bank
- Other Soil Characterization Program

Sediment Program
- RI/FS Sediment
- RFI Sediment
- OU-4 100-Year Floodplain

Characterization Area
- C4N
- C4S
- C5N
- C5S
- Choccolocco Creek

0 650 1,300 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

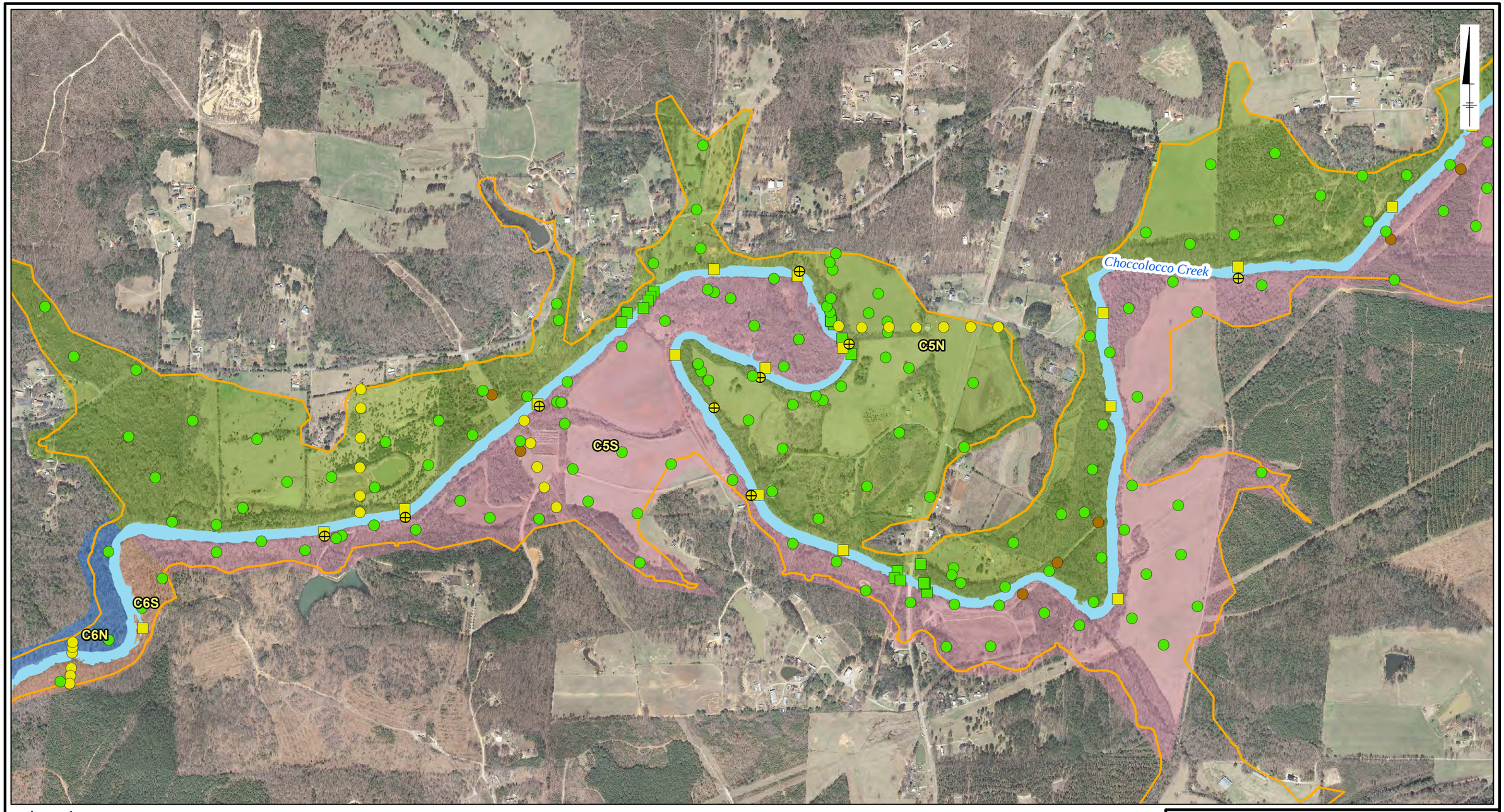
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2f

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Program
- RI/FS Soil
- RFI Soil
- RFI Soil -Top of Bank
- Other Soil Characterization Program

Sediment Program
- RI/FS Sediment
- RFI Sediment
- OU-4 100-Year Floodplain

Characterization Area
- C5N
- C5S
- C6N
- C6S
- Choccolocco Creek

0 810 1,620 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2g

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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C7N
C7S
C6S
C6N
Choccolocco Creek

Legend

Soil Program
- RI/FS Soil
- RFI Soil

Sediment Program
- RI/FS Sediment
- RFI Sediment

OU-4 100-Year Floodplain

Characterization Area
- C6N
- C6S
- C7N
- C7S

Choccolocco Creek

0 810 1,620 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

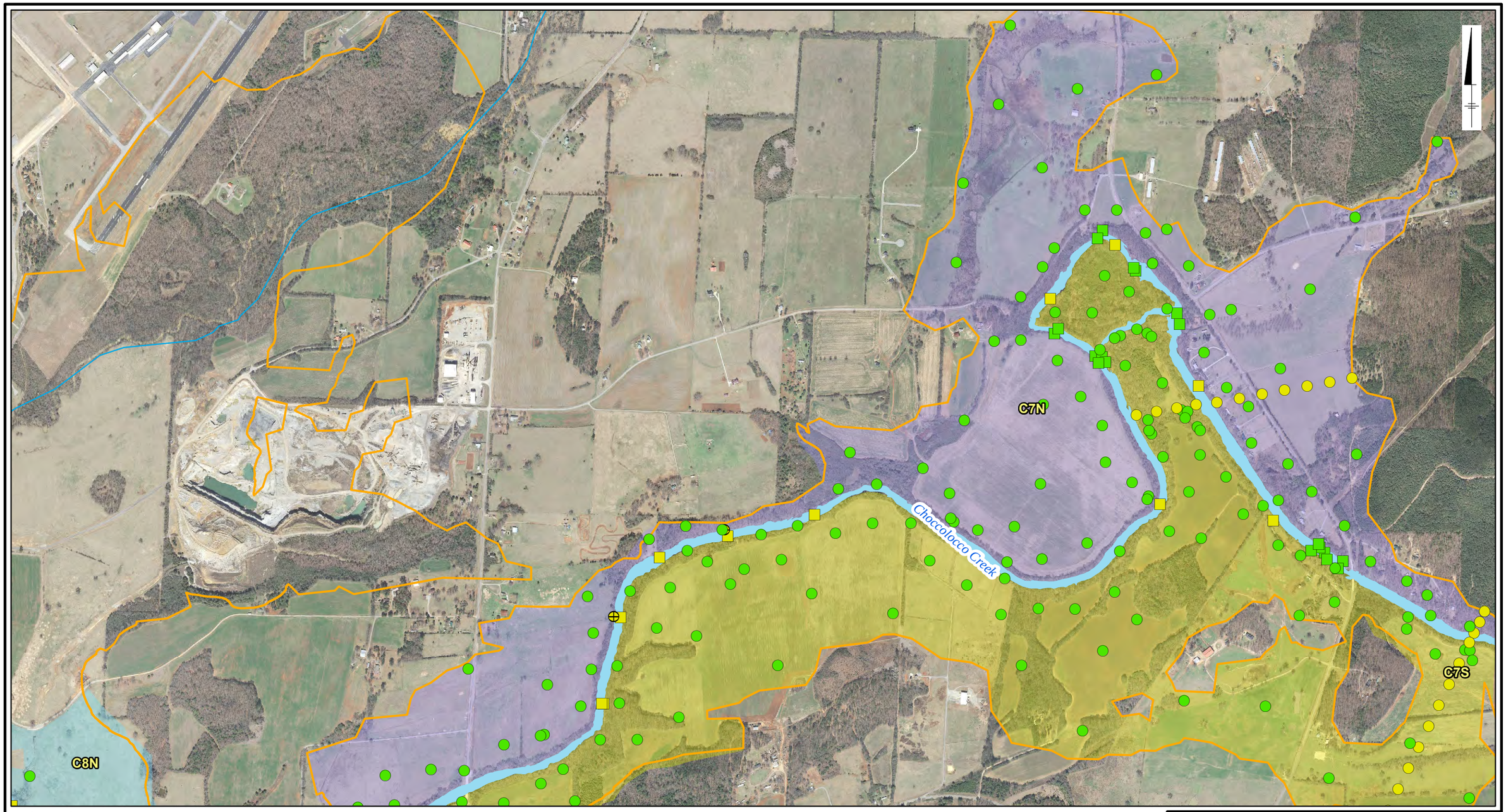
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2h

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Anniston
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Legend

Soil Program
- RI/FS Soil
- RFI Soil
- RFI Soil -Top of Bank

Sediment Program
- RI/FS Sediment
- RFI Sediment
- OU-4 100-Year Floodplain

Characterization Area
- C6N
- C6S
- C7N
- C7S
- C8N
- Choccolocco Creek

0 970 1,940 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

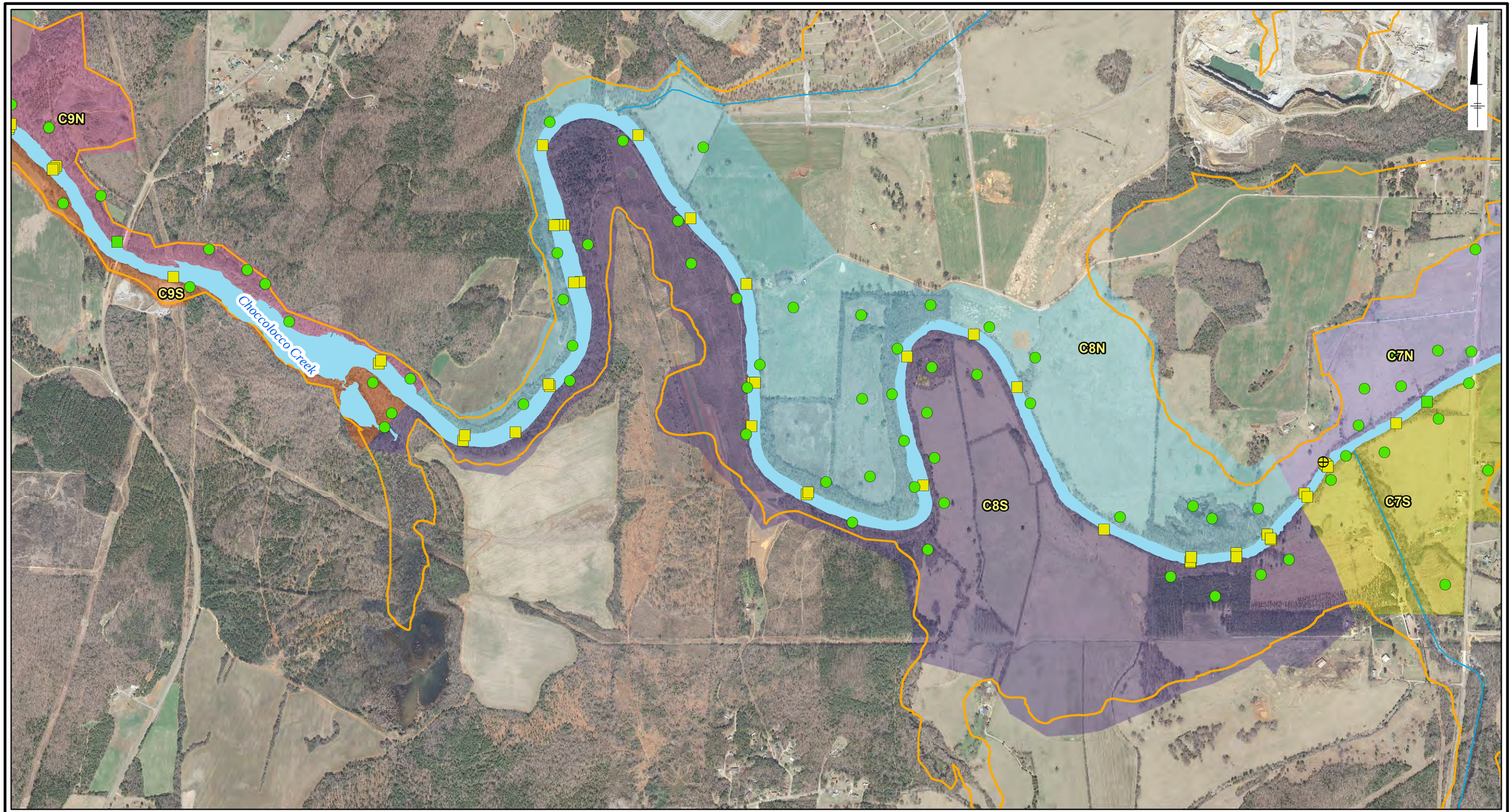
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure 4-2i

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Legend

Soil Program
- RI/FS Soil
- RFI Soil -Top of Bank

Sediment Program
- RI/FS Sediment
- RFI Sediment

OU-4 100-Year Floodplain

Characterization Area
- C7N
- C7S
- C8N
- C8S
- C9N
- C9S
- Choccolocco Creek

0 970 1,940 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

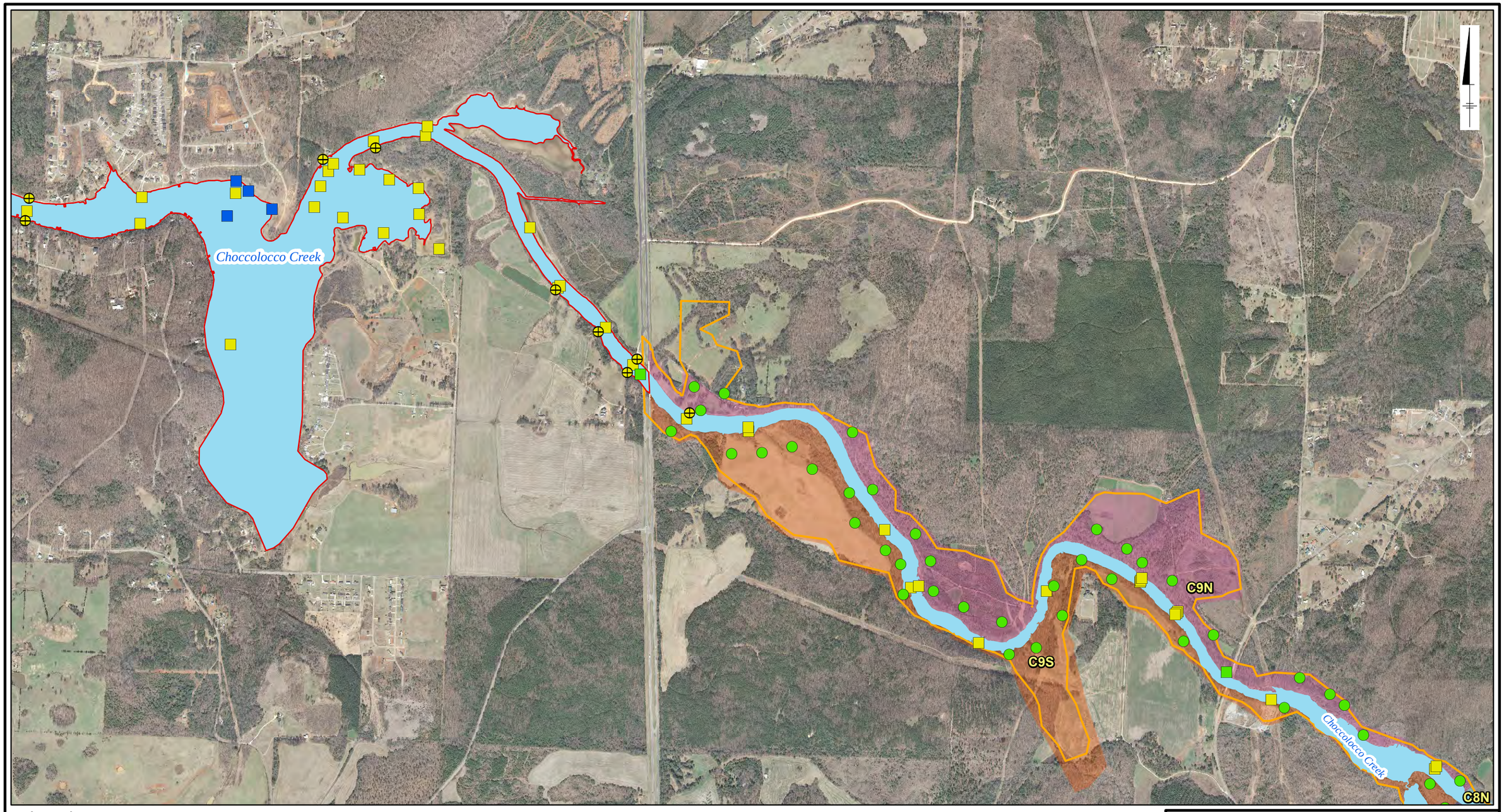
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2j

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Program
- RI/FS Soil
- RFI Soil -Top of Bank

Sediment Program
- RI/FS Sediment
- RFI Sediment

- Lake Pointe
- OU-4 100-Year Floodplain

Characterization Area
- C8N
- C8S
- C9N
- C9S
- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)
- Choccolocco Creek

0 1,200 2,400 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

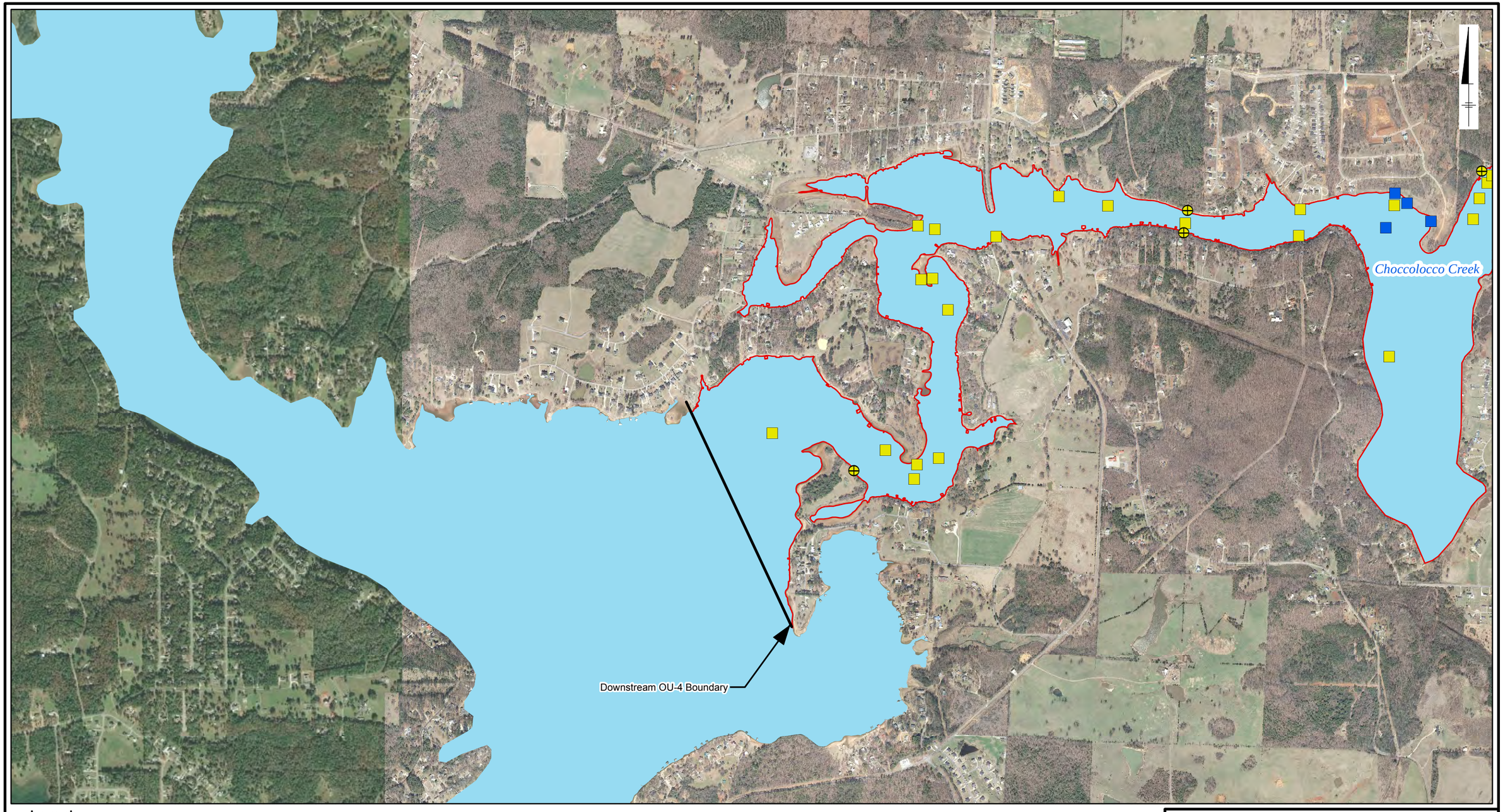
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2k

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Anniston
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Legend

Soil Program

- RFI Soil -Top of Bank

Sediment Program

- RFI Sediment
- Lake Pointe
- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)

- Choccolocco Creek

0 1,200 2,400 Feet

Graphic Scale

Notes:
1. OU: operable unit
   RFI: RCRA Facility Investigation
   RCRA: Resource Conservation and Recovery Act
   RI/FS: Remedial Investigation / Feasibility Study
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

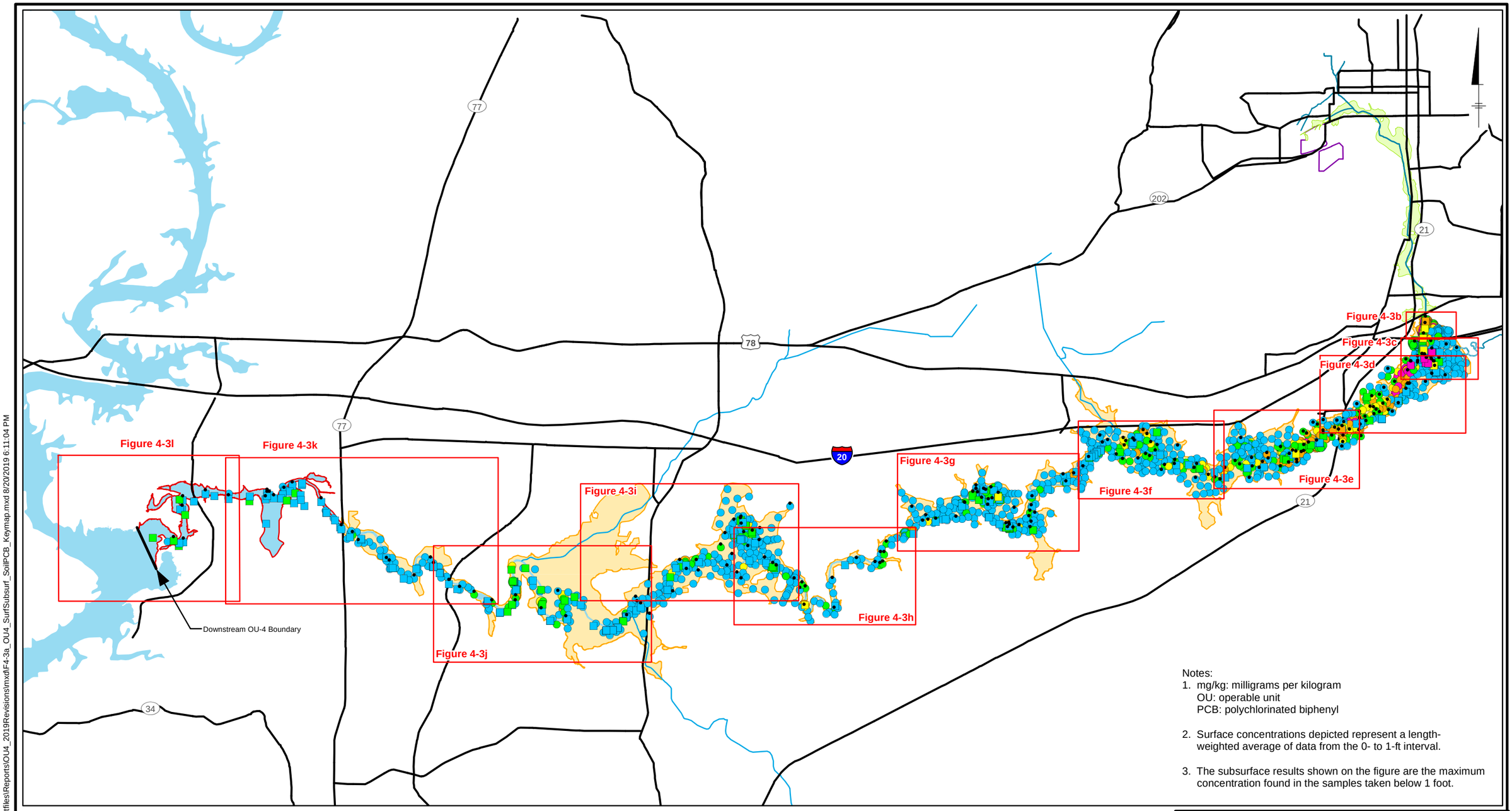
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Locations

Solutia

Figure
4-2l

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Notes:
1. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
2. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.

Legend

Soil Sample Location
Total PCB Concentration (mg/kg)
- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

Sediment Sample Location
Total PCB Concentration (mg/kg)
- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Major Roadway
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)

0 7,750 15,500 Feet
Graphic Scale

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

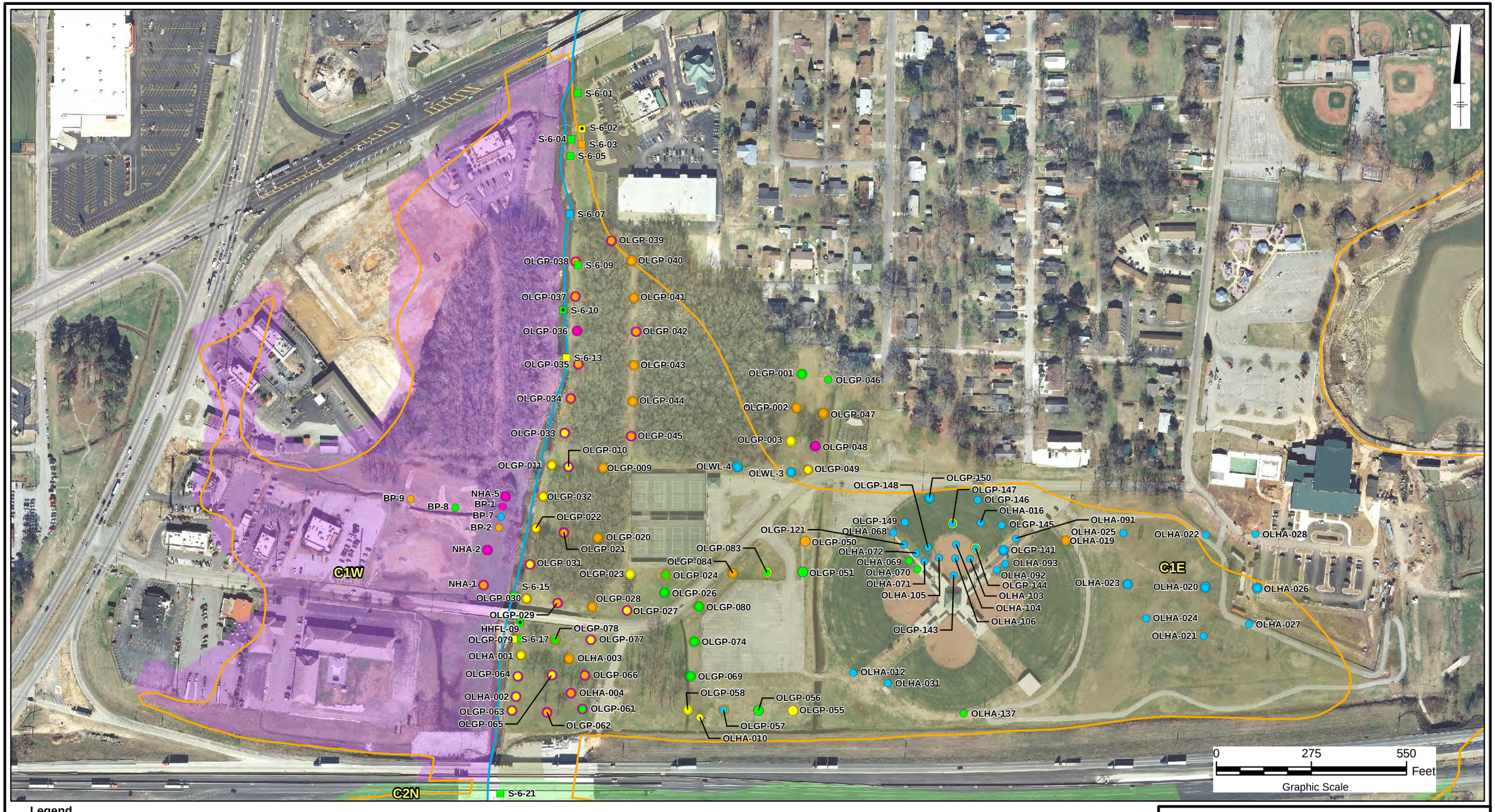
Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Key for Nonresidential Floodplain Soil and Sediment Sample Results Figures

Solutia

Figure
4-3a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Anniston
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Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥50

Sediment Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Snow Creek Centerline
- OU-4 100-Year Floodplain

Characterization Area

- C1E
- C1W
- C2N

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

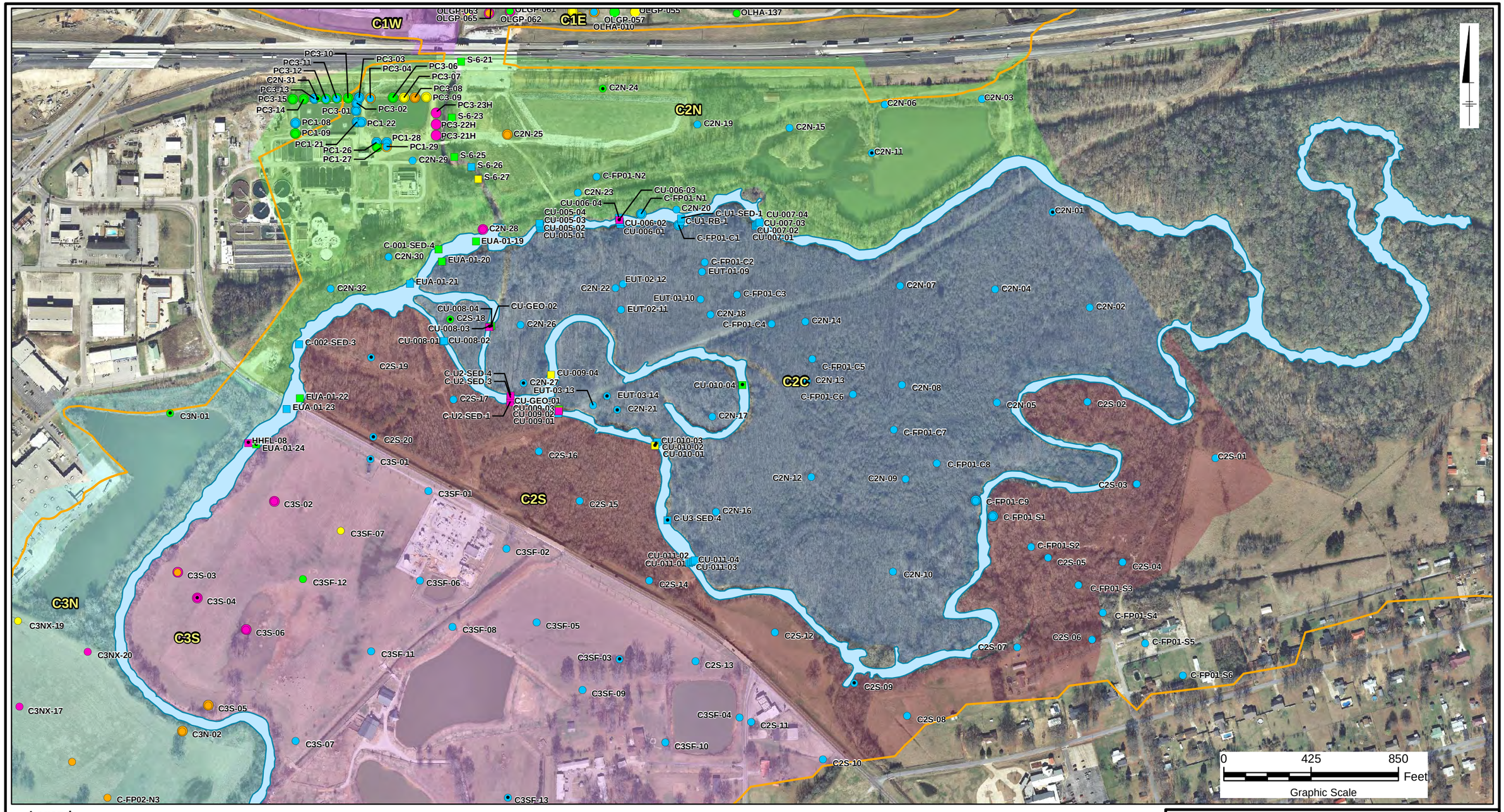
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3b



Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥50

Sediment Sample Location

Total PCB Concentration (mg/kg)

- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Characterization Area

- C1W
- C2C
- C2N
- C2S
- C3N
- C3S

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

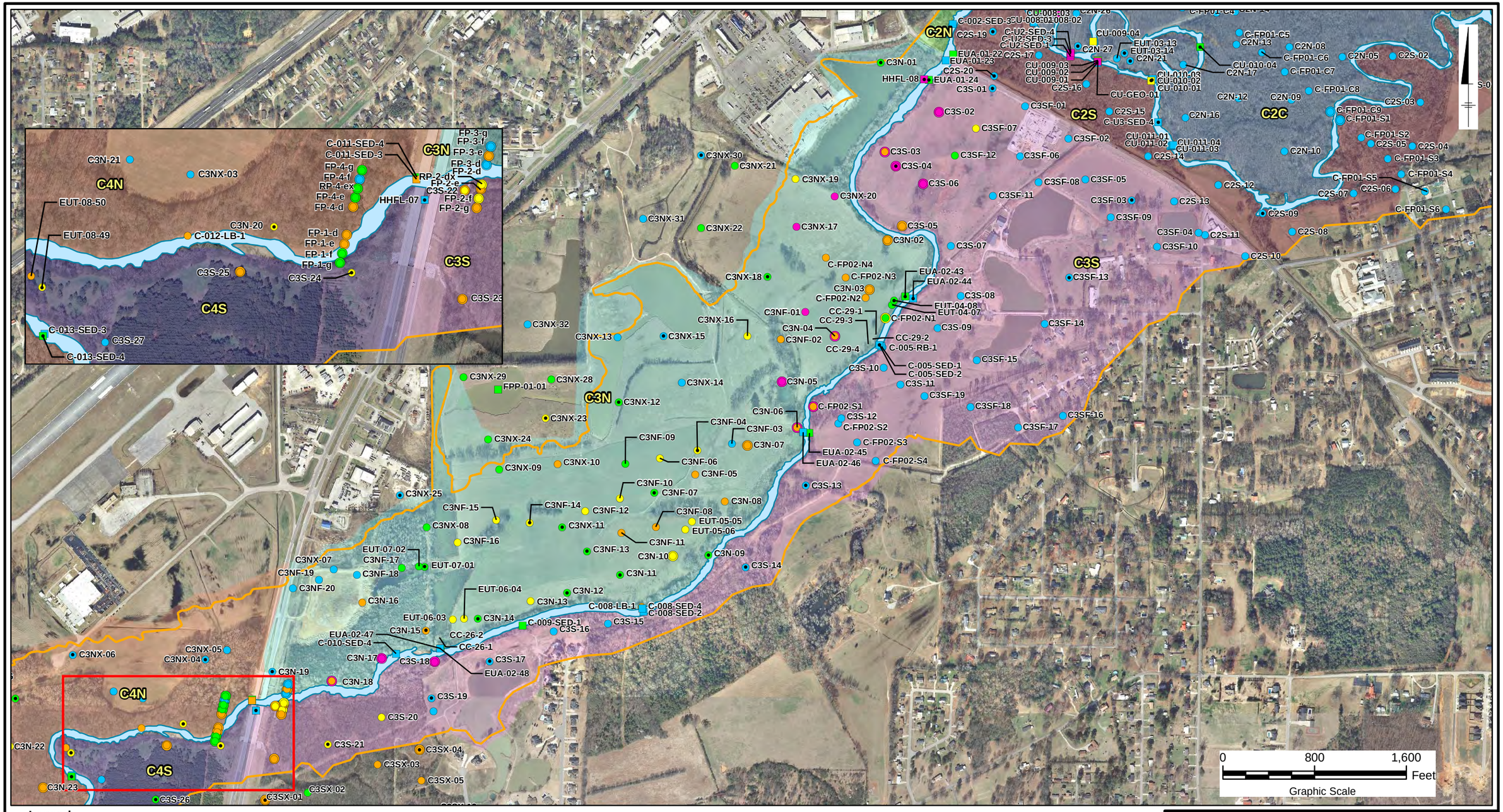
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Sample Location
Total PCB Concentration (mg/kg)
- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥50

Sediment Sample Location
Total PCB Concentration (mg/kg)
- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Characterization Area
- C2C
- C2N
- C2S
- C3N
- C3S
- C4N
- C4S

Notes:
1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

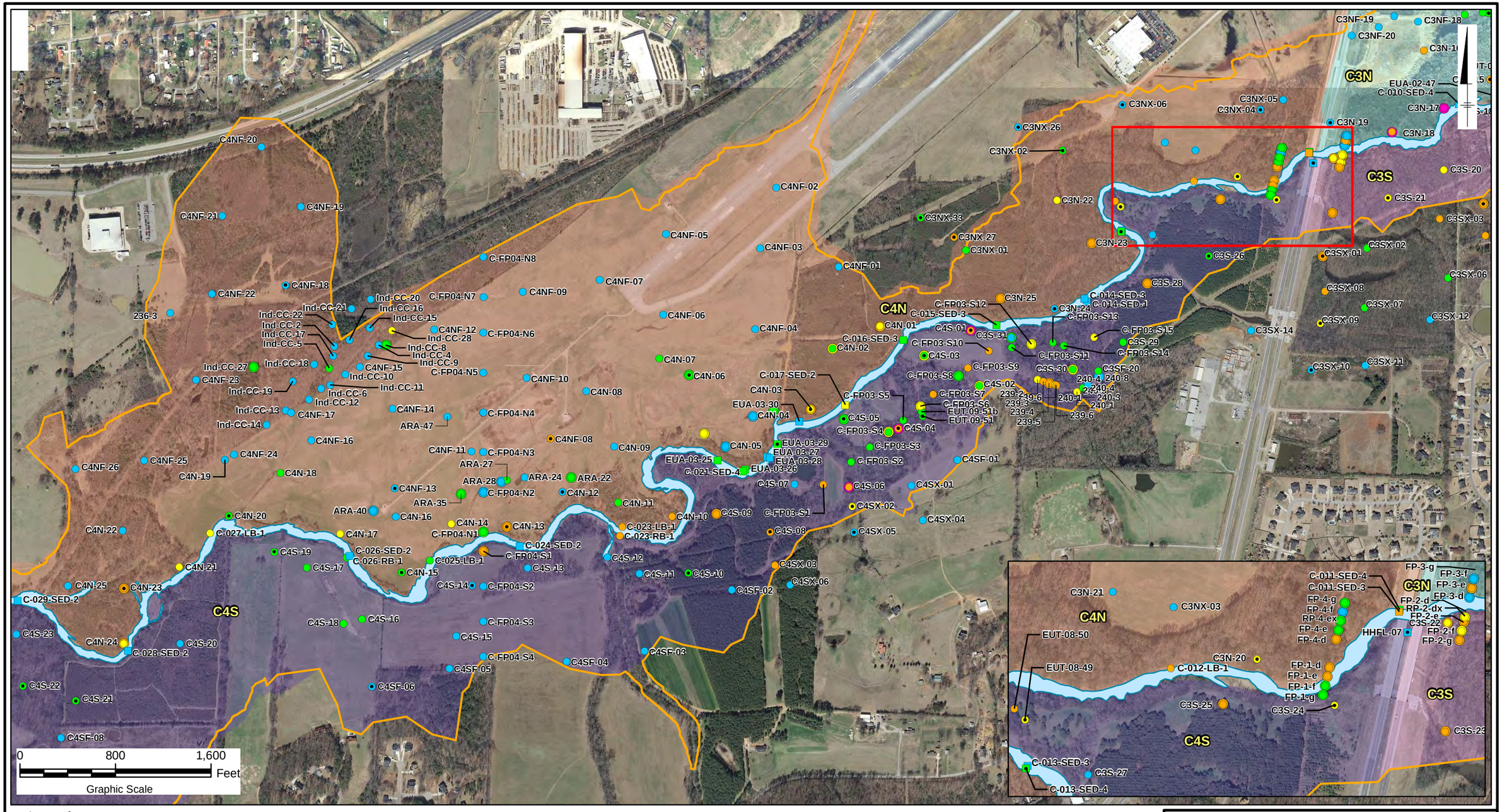
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Sediment Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥50

Samples Analyzed for Constituents Other Than PCBs or Mercury

Choccolocco Creek

OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Characterization Area

- C3N
- C3S
- C4N
- C4S

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

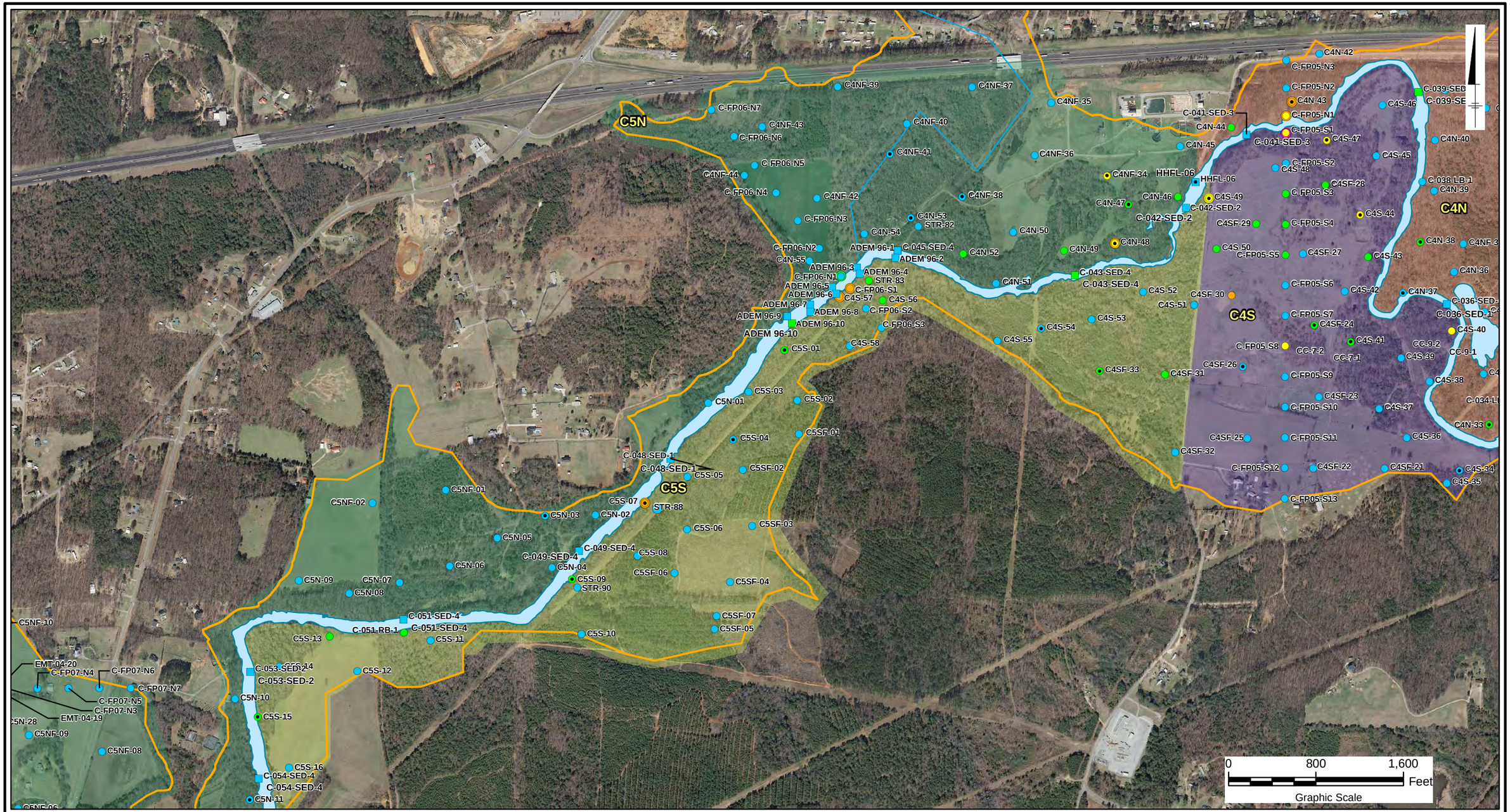
Remedial Investigation Report for OU-4

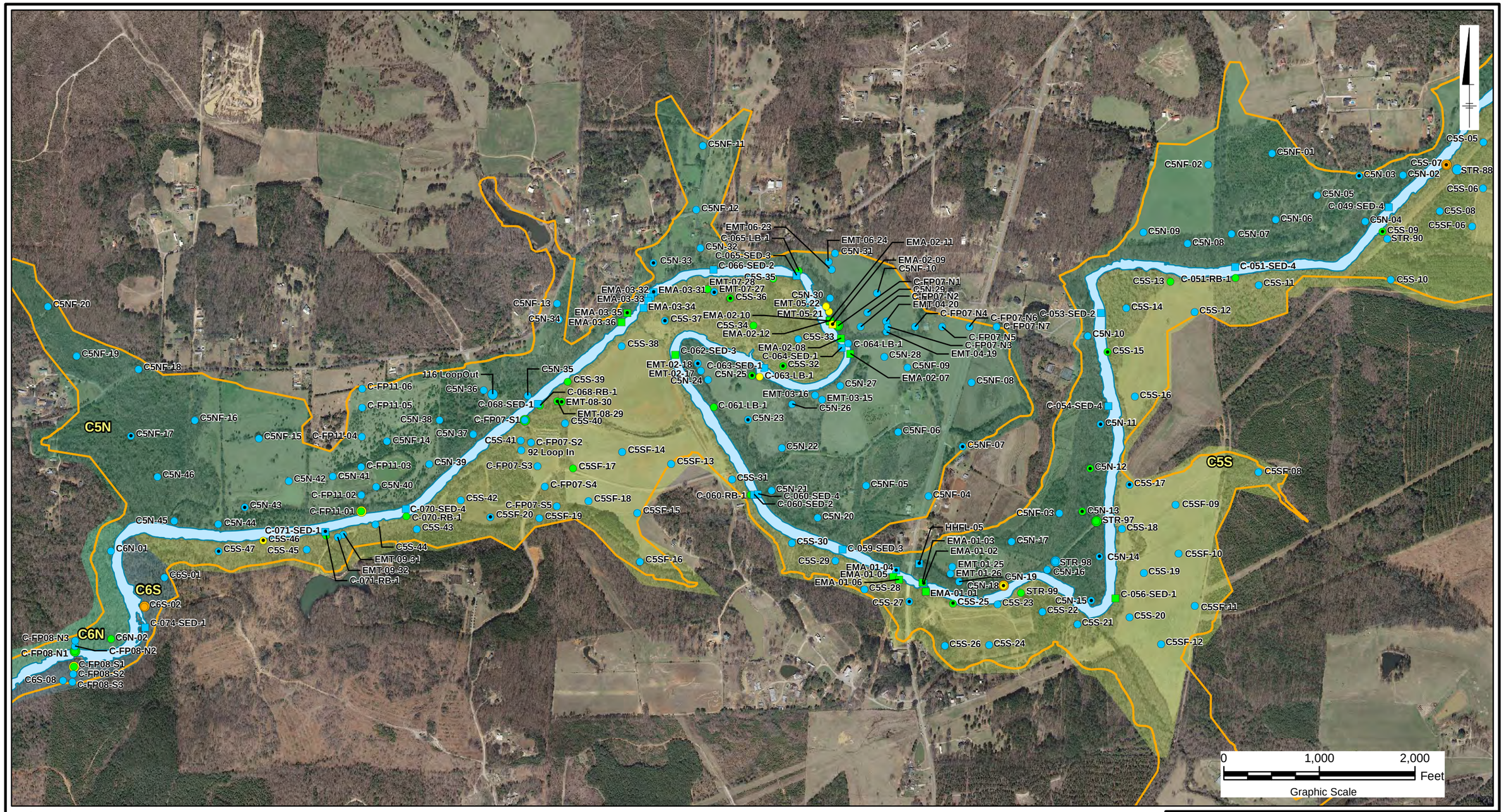
Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3e

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\AnnistonALMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-3e_OU4_SurfSubsurf_SoilPCB.mxd 8/20/2019 6:39:45 PM


C5N
C5S
C4N
C4S
C4N-42
C-FP05-N3
C4N-43
C-FP05-N2
C-FP05-N1
C-FP05-S1
C4N-44
C4N-45
C-FP05-S2
C4N-46
C-FP05-S3
C4N-47
C-FP05-S4
C4N-48
C-FP05-S5
C4N-49
C4N-50
C4N-51
C4N-52
C4N-53
C4N-54
C4N-55
C4N-56
C4N-57
C4N-58
C4N-59
C4N-60
C4N-61
C4N-62
C4N-63
C4N-64
C4N-65
C4N-66
C4N-67
C4N-68
C4N-69
C4N-70
C4N-71
C4N-72
C4N-73
C4N-74
C4N-75
C4N-76
C4N-77
C4N-78
C4N-79
C4N-80
C4N-81
C4N-82
C4N-83
C4N-84
C4N-85
C4N-86
C4N-87
C4N-88



Legend

Soil Sample Location
Total PCB Concentration (mg/kg)
- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

Sediment Sample Location
Total PCB Concentration (mg/kg)
- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain

Characterization Area
- C5N
- C5S
- C6N
- C6S

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:
1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

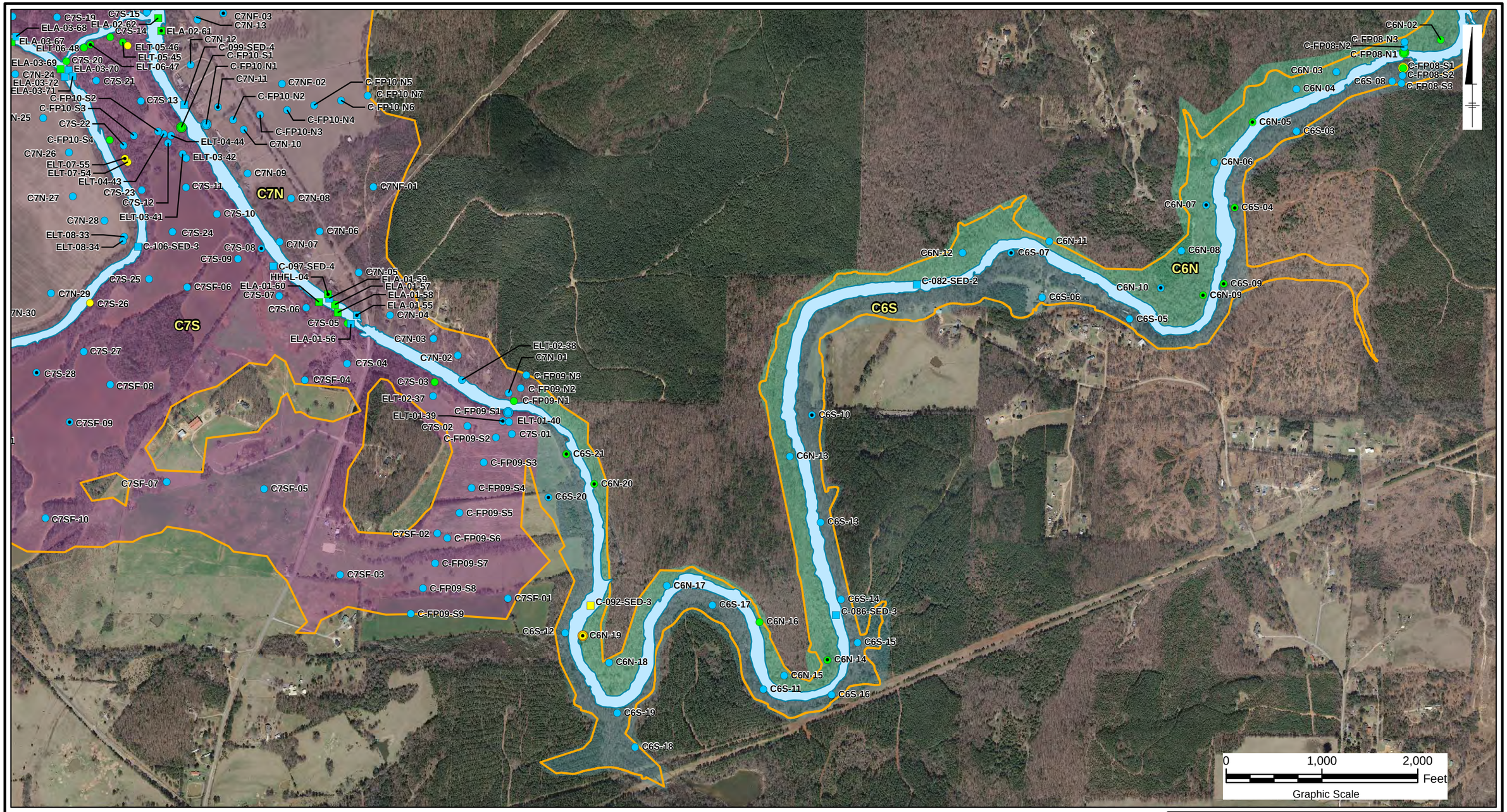
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure 4-3g

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\ALIMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-3g_OU4_SurfSubsurf_SoilPCB.mxd 8/20/2019 6:30:08 PM



Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

Sediment Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain

Characterization Area

- C6N
- C6S
- C7N
- C7S

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

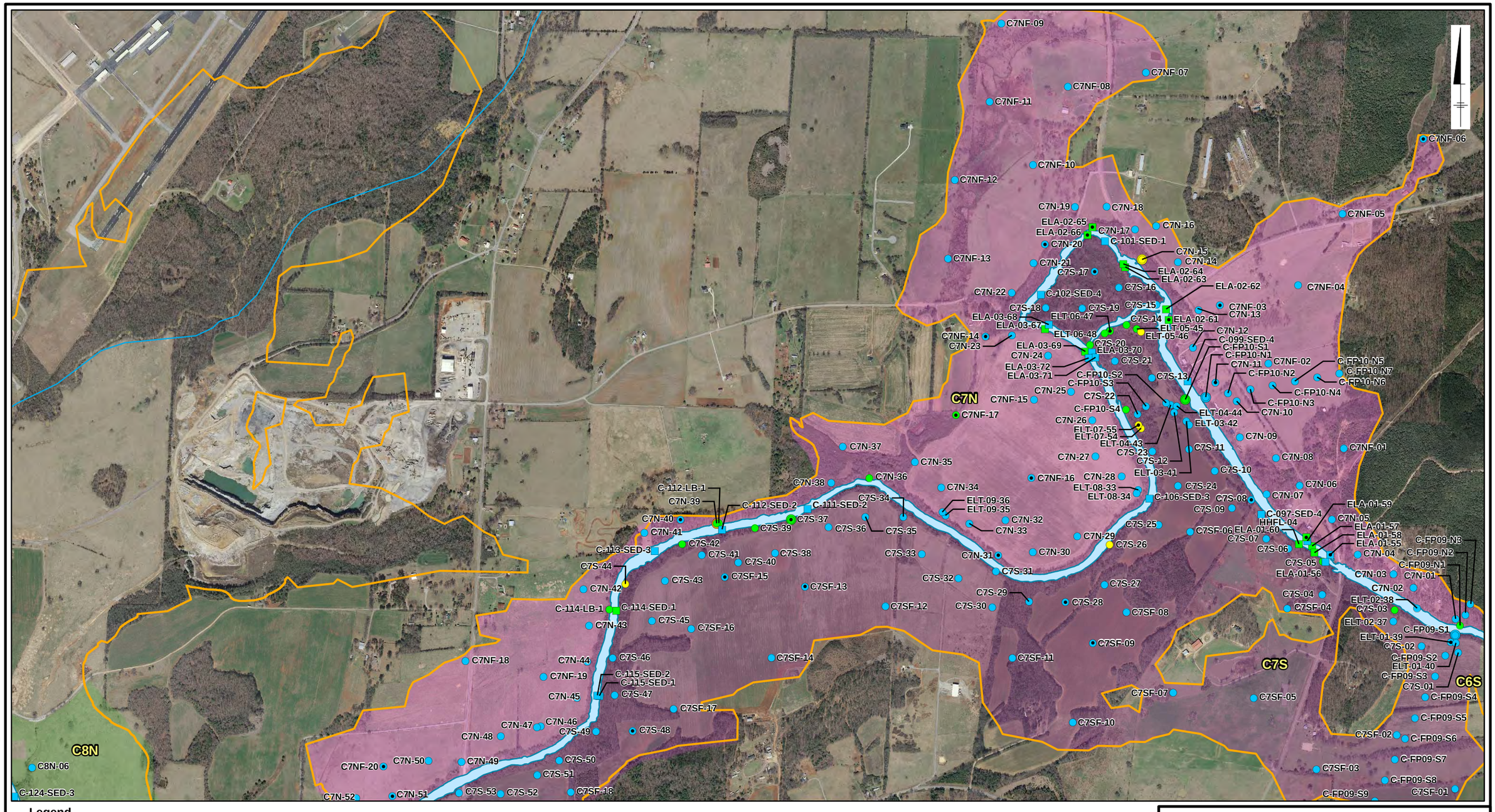
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3h

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Arniston
Q:\Anniston_PCB_site\Anniston\ALM\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-3h_OU4_SurfSubsurf_SoilPCB.mxd 8/20/2019 6:33:49 PM



Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

Sediment Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain

Characterization Area

- C7N
- C7S
- C8N

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 1,200 2,400 Feet

Graphic Scale

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

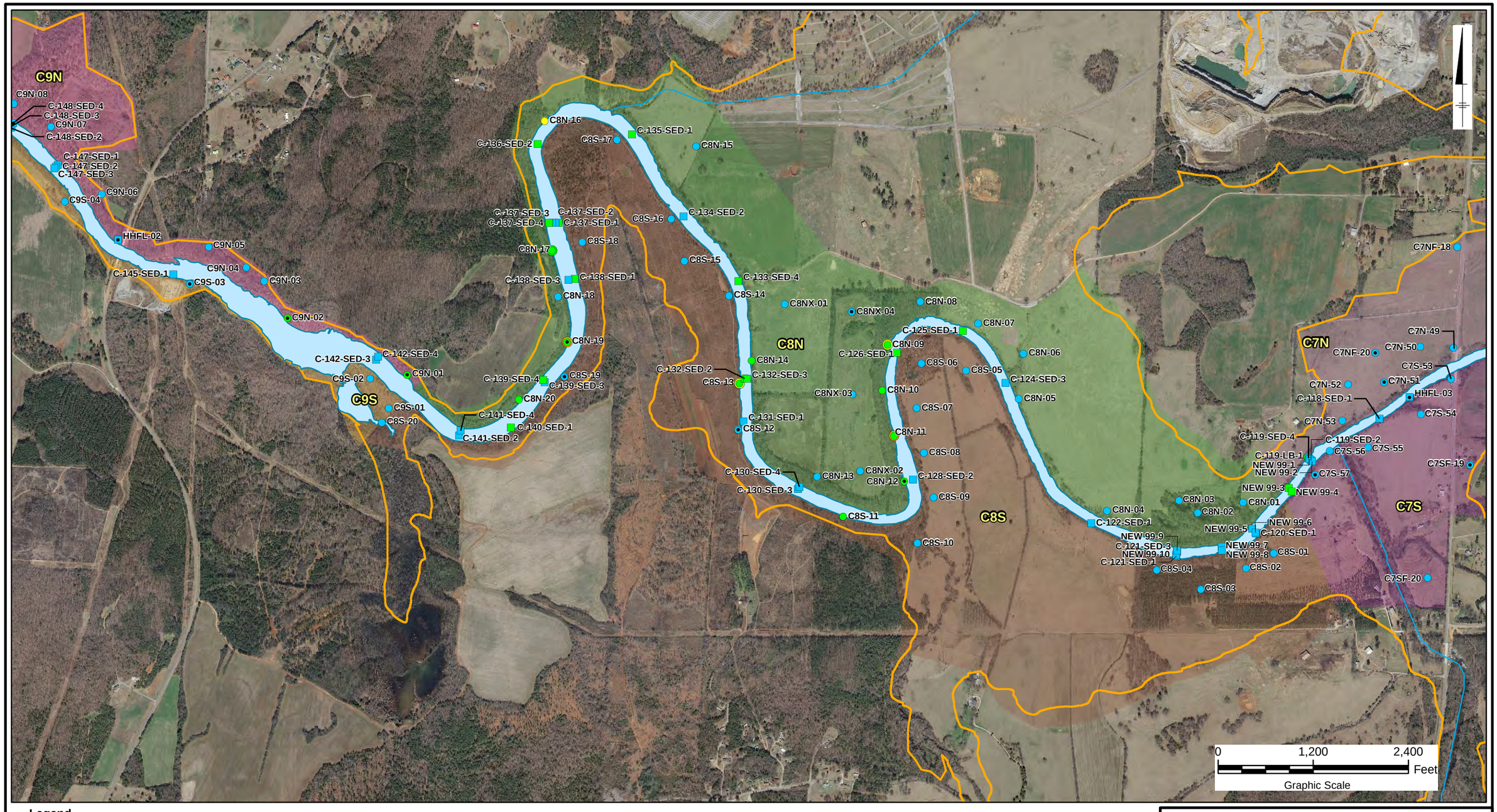
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3i

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\AnnistonALMXDs_Printfiles\Reports\OU4_2019Revisions\mxdF4-3i_OU4_SurfSubsurf_SoilPCB.mxd 8/20/2019 6:36:14 PM



Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

Sediment Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain

Characterization Area

- C7N
- C7S
- C8N
- C8S
- C9N
- C9S

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

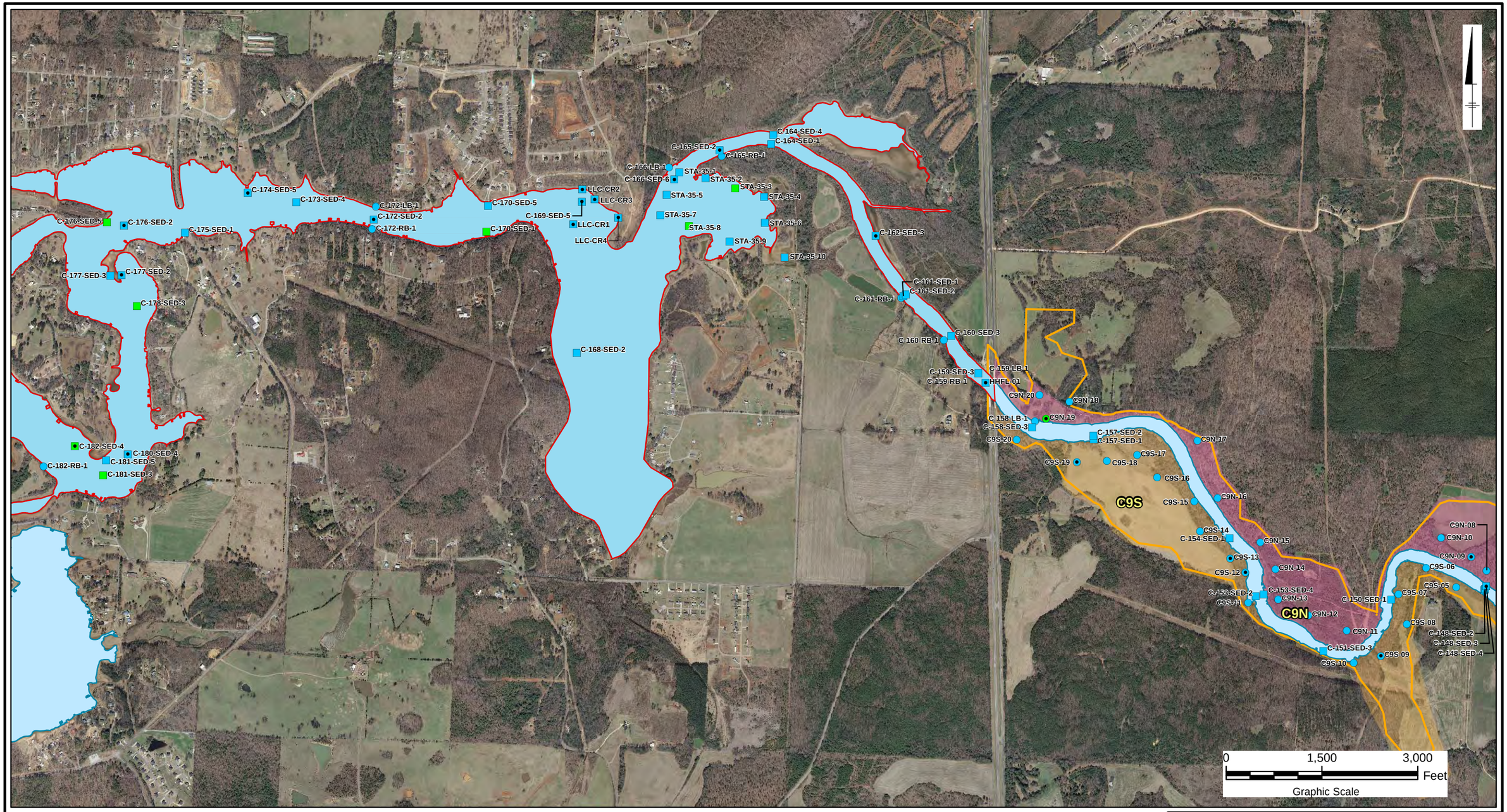
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3j

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\ALM\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-3j_OU4_SurfSubsurf_SoilPCB.mxd 8/20/2019 6:43:55 PM



City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

Sediment Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain

Characterization Area

- C9N
- C9S
- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

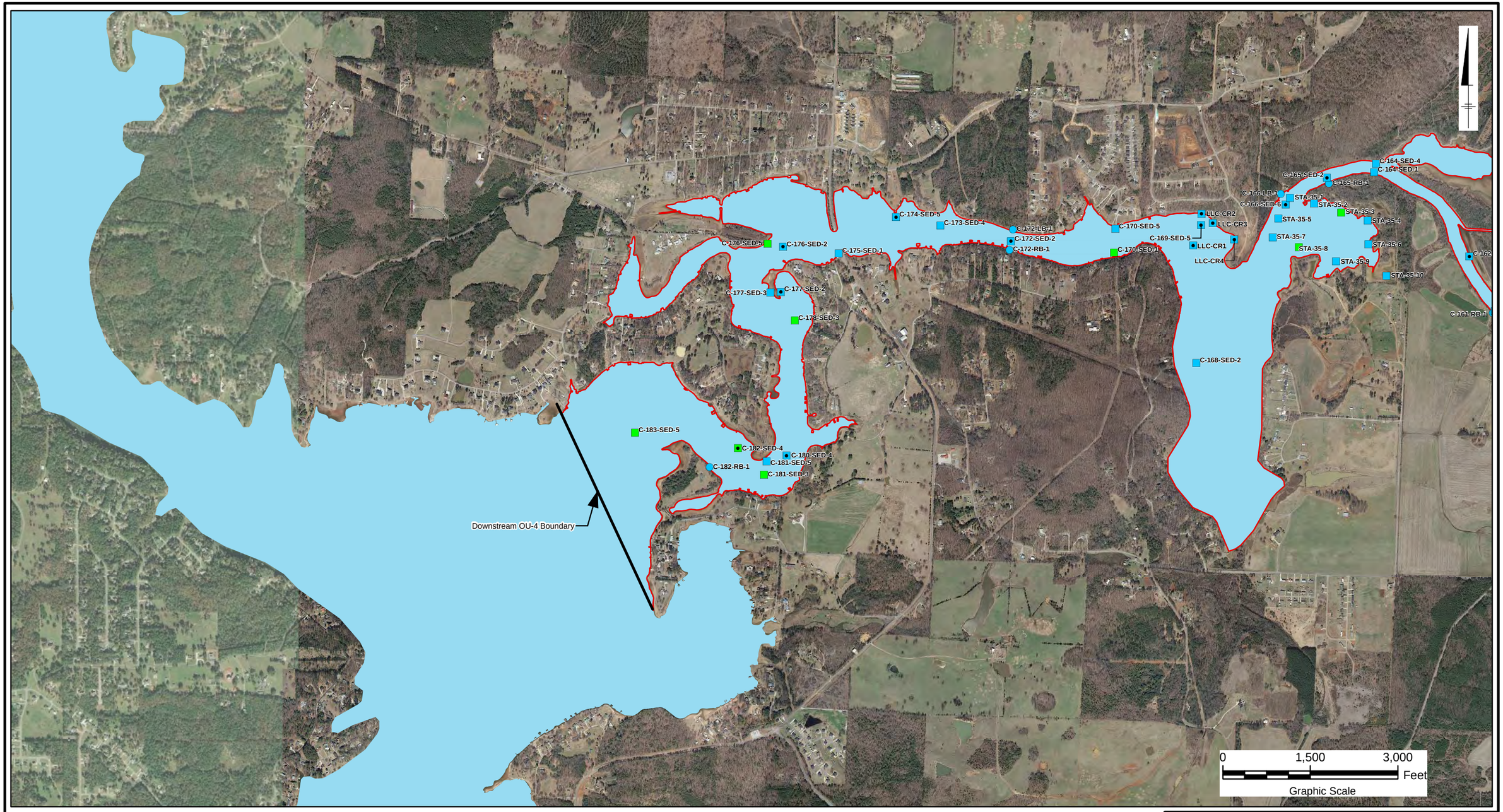
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3k



Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- <1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥50

Sediment Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- Choccolocco Creek
- OU-4 100-Year Floodplain
- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:

1. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
2. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

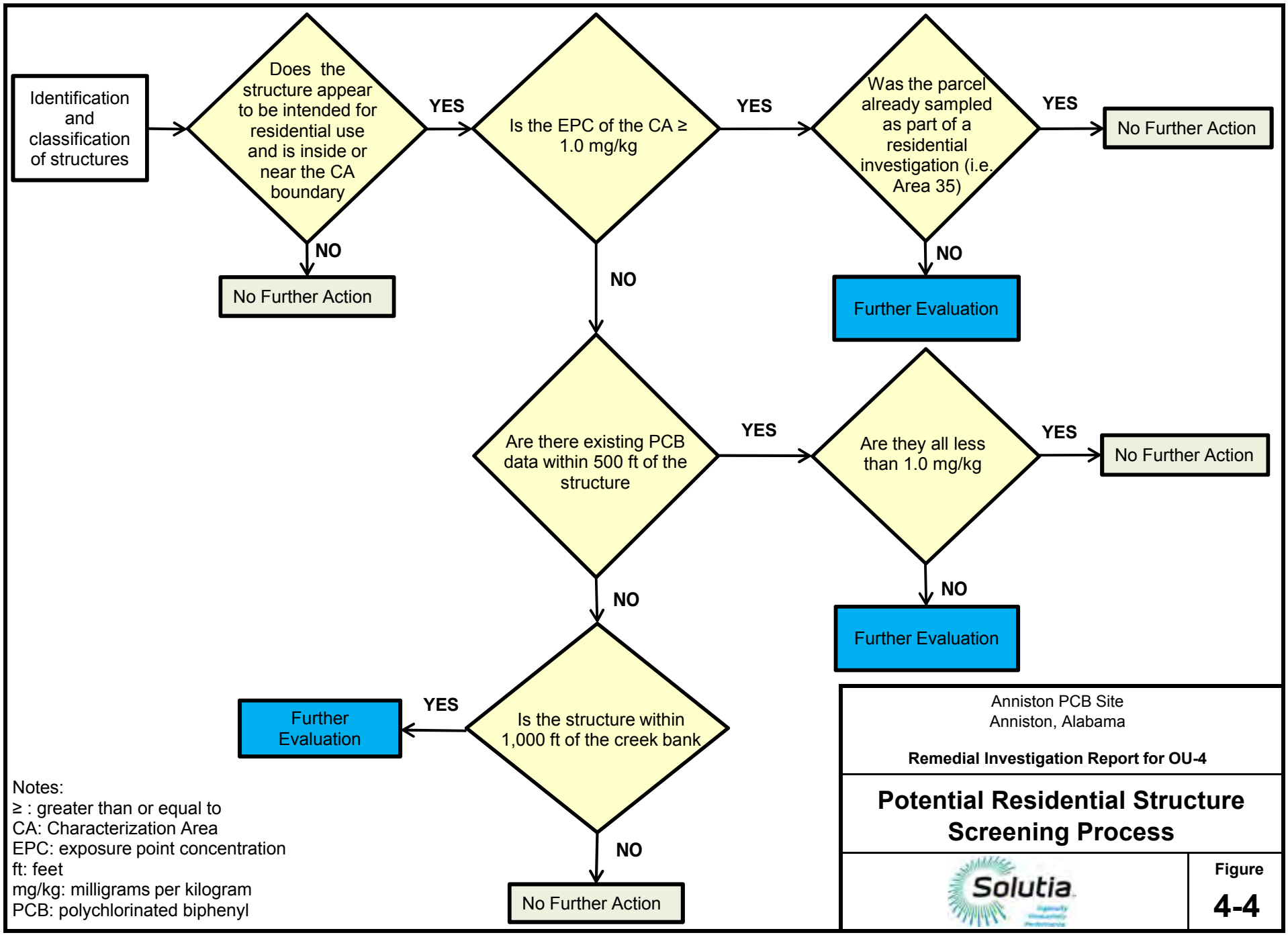
Remedial Investigation Report for OU-4

Nonresidential Floodplain Soil and Sediment Sample Results

Solutia

Figure
4-3l

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Notes:
≥ : greater than or equal to
CA: Characterization Area
EPC: exposure point concentration
ft: feet
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

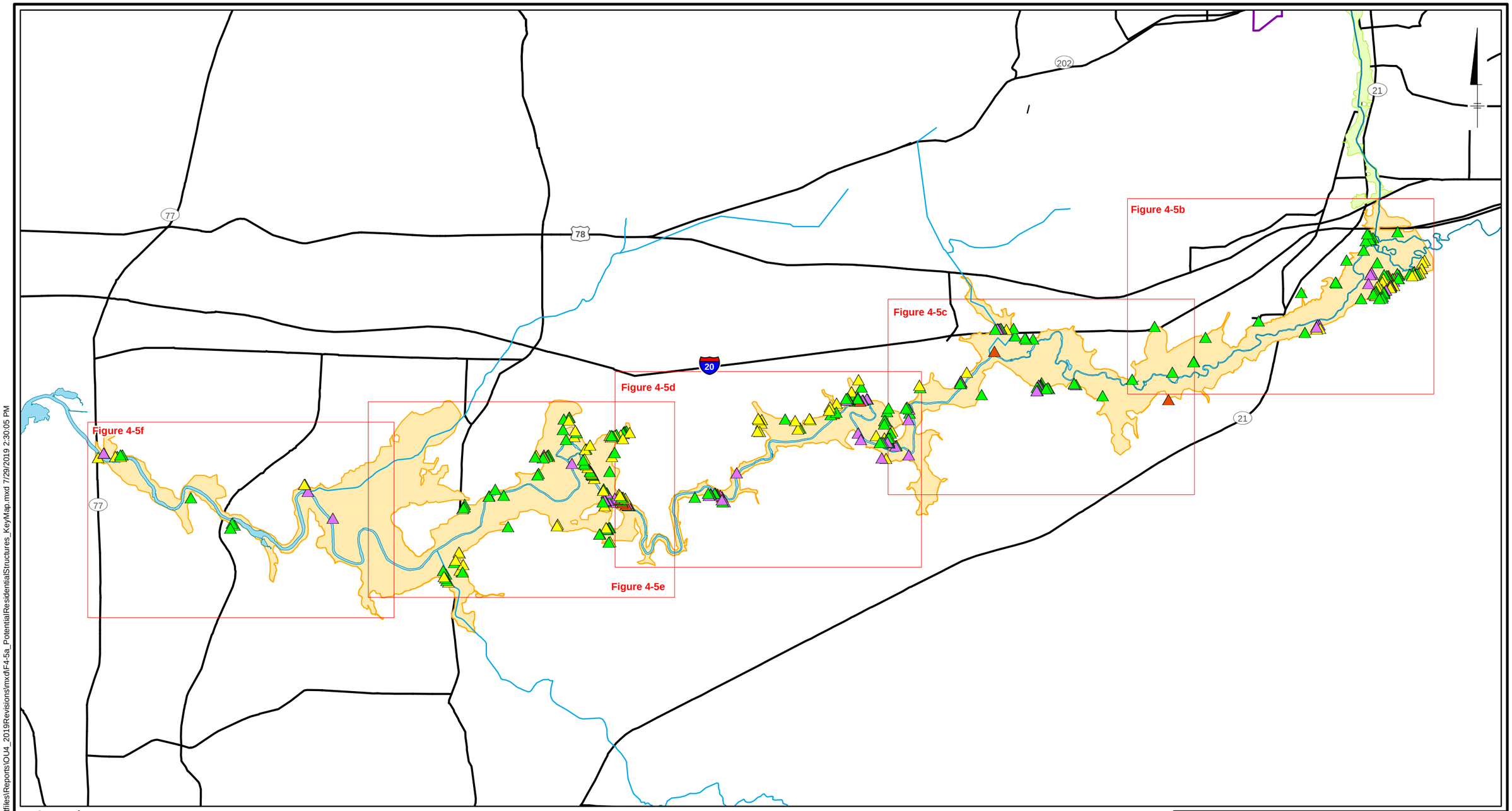
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Potential Residential Structure Screening Process

Solutia

Figure
4-4



Legend

- No Further Action - Nonresidential; Nonresidential Structure
- Potential Residential Structure
- Potential Residential Structure Where a Removal Action Was Not Required
- Potential Residential Structure Where a Removal Action Was Required
- OU-3 Boundary
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- Choccolocco Creek

0 6,500 13,000 Feet

Graphic Scale

Notes:
1. OU: operable unit

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Key for Potential Residential Structures Figures

Solutia

Figure
4-5a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\ALT\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-5a_PotentialResidentialStructures_KeyMap.mxd 7/29/2019 2:30:05 PM



Legend

- No Further Action - Nonresidential
- Potential Residential Structure
- Potential Residential Structure Where a Removal Action Was Not Required
- Potential Residential Structure Where a Removal Action Was Required
- Choccolocco Creek
- OU-4 100-Year Floodplain
- Residential Parcel Sampled as Part of Area

Maximum Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

270— Structure ID

0 1,500 3,000 Feet

Graphic Scale

Notes:

1. Maximum Total PCB Concentration represents the maximum PCB value reported for samples from all depths sampled at that location.
2. Structure IDs are shown for potential residential structures identified for further evaluation only.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

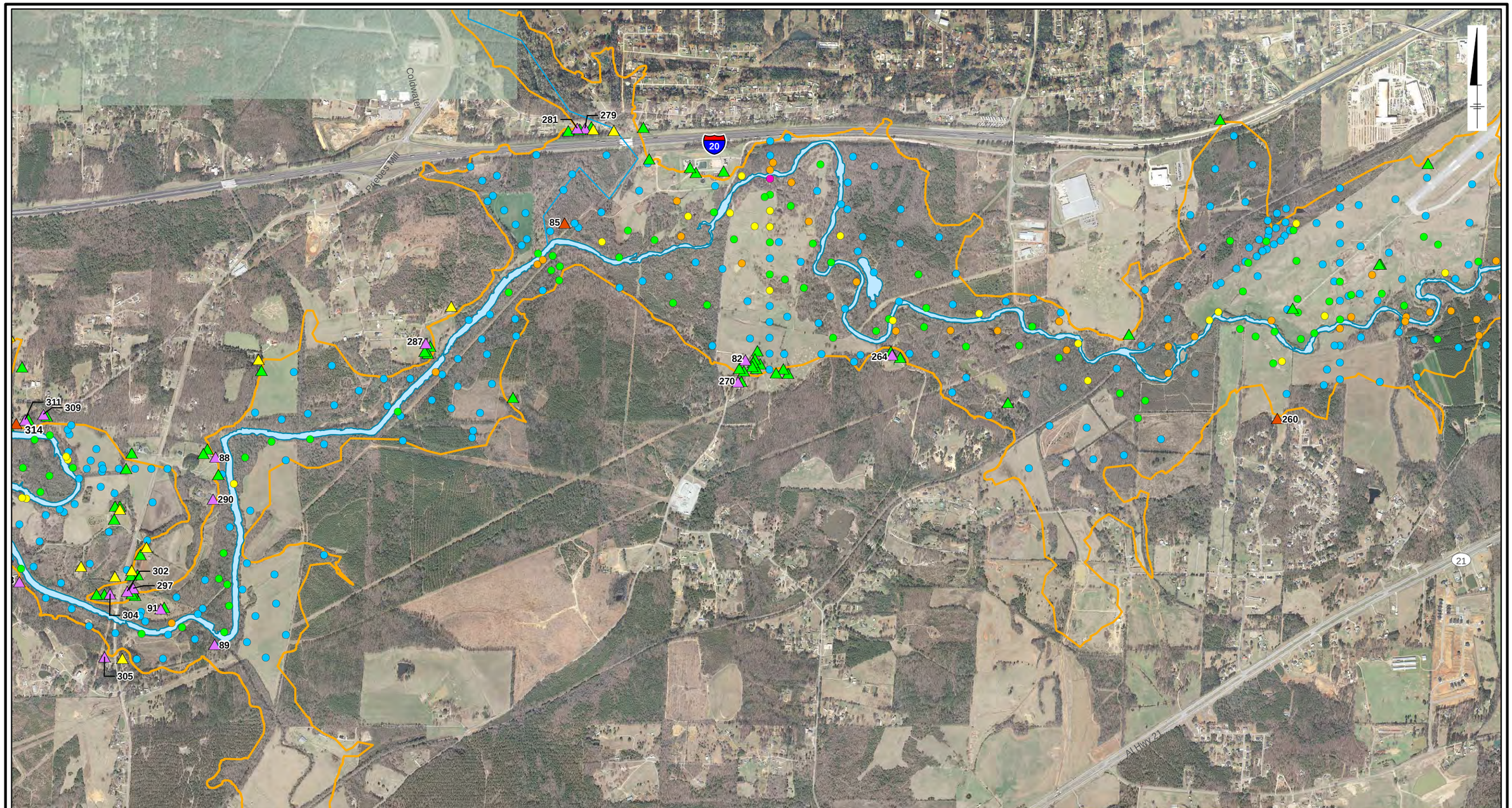
Remedial Investigation Report for OU-4

Potential Residential Structures In and Near OU-4

Solutia

Figure 4-5b

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- No Further Action - Nonresidential
- Potential Residential Structure
- Potential Residential Structure Where a Removal Action Was Not Required
- Potential Residential Structure Where a Removal Action Was Required
- Choccolocco Creek
- OU-4 100-Year Floodplain

Maximum Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

270—Structure ID

0 1,500 3,000 Feet

Graphic Scale

Notes:

1. Maximum Total PCB Concentration represents the maximum PCB value reported for samples from all depths sampled at that location.
2. Structure IDs are shown for potential residential structures identified for further evaluation only.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

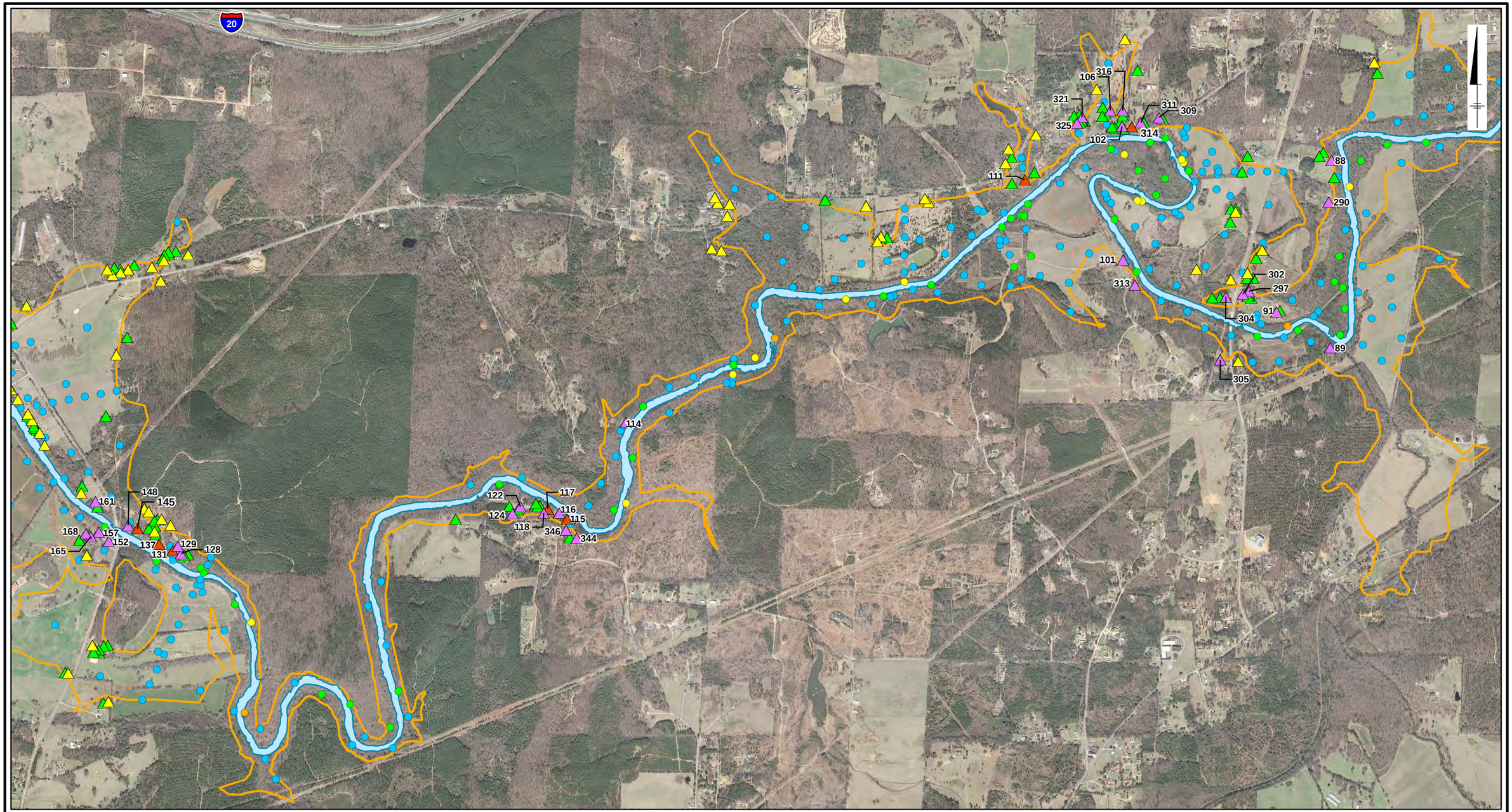
Remedial Investigation Report for OU-4

Potential Residential Structures In and Near OU-4

Solutia

Figure 4-5c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- No Further Action - Nonresidential
- Potential Residential Structure
- Potential Residential Structure Where a Removal Action Was Not Required
- Potential Residential Structure Where a Removal Action Was Required
- Choccolocco Creek
- OU-4 100-Year Floodplain

Maximum Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

270—Structure ID

0 1,500 3,000 Feet

Graphic Scale

Notes:

1. Maximum Total PCB Concentration represents the maximum PCB value reported for samples from all depths sampled at that location.
2. Structure IDs are shown for potential residential structures identified for further evaluation only.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.
5. Residential removal did not occur for the property associated with Location 117.

Anniston PCB Site
Anniston, Alabama

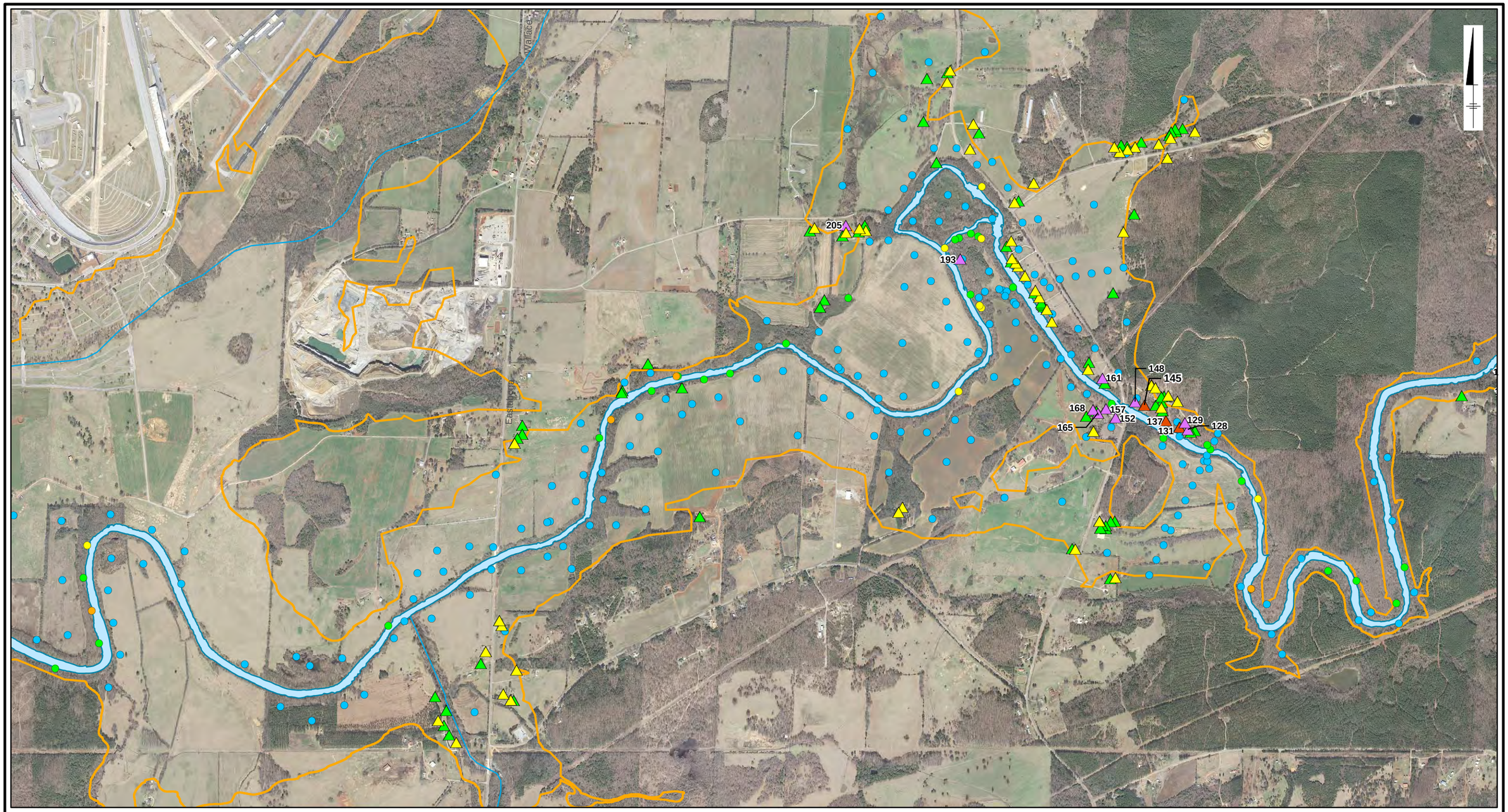
Remedial Investigation Report for OU-4

Potential Residential Structures In and Near OU-4

Solutia

Figure
4-5d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- No Further Action - Nonresidential
- Potential Residential Structure
- Potential Residential Structure Where a Removal Action Was Not Required
- Potential Residential Structure Where a Removal Action Was Required
- Choccolocco Creek
- OU-4 100-Year Floodplain

Maximum Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

270— Structure ID

0 1,500 3,000 Feet

Graphic Scale

Notes:

1. Maximum Total PCB Concentration represents the maximum PCB value reported for samples from all depths sampled at that location.
2. Structure IDs are shown for potential residential structures identified for further evaluation only.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

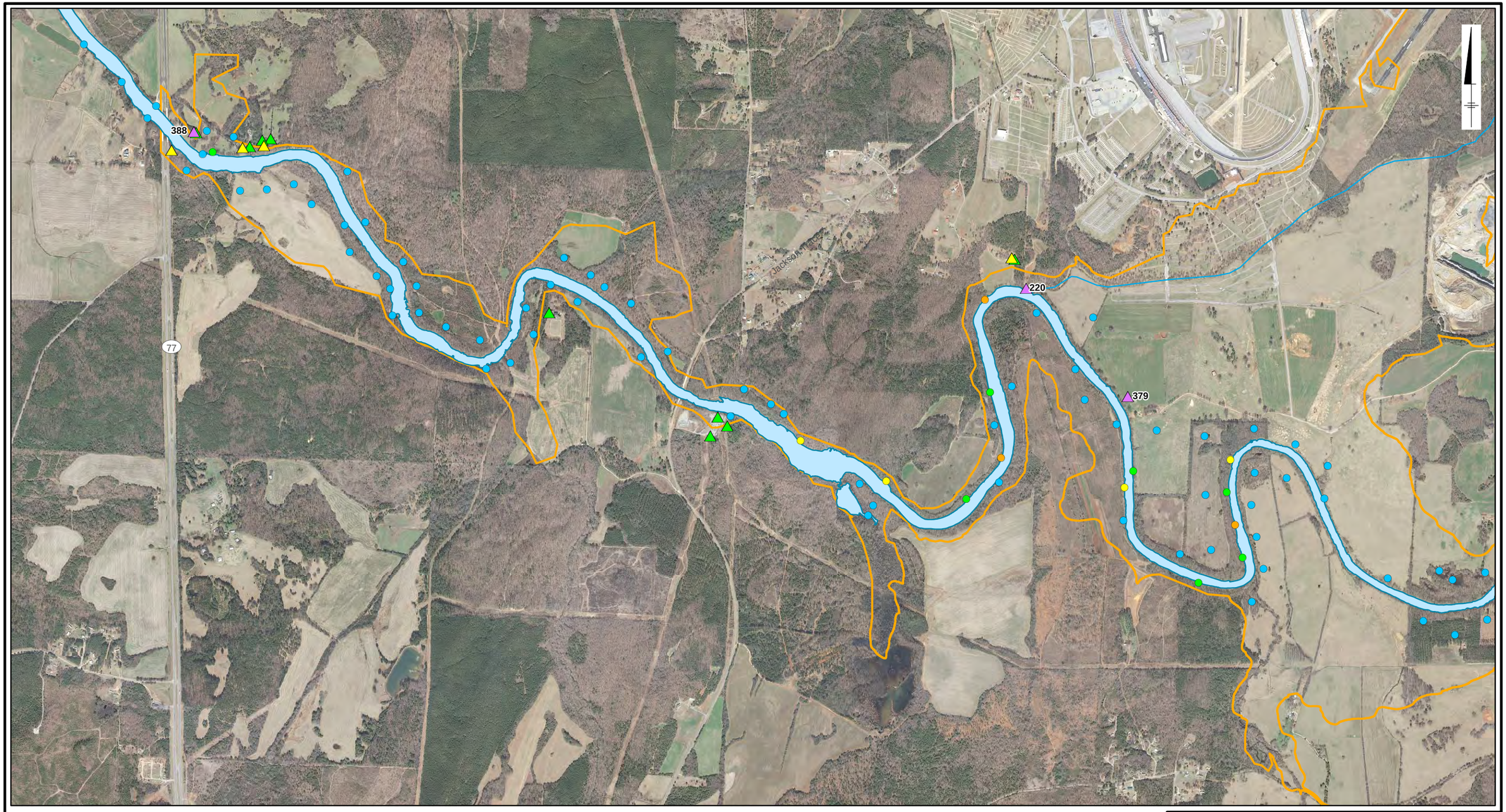
Remedial Investigation Report for OU-4

Potential Residential Structures In and Near OU-4

Solutia

Figure 4-5e

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- No Further Action - Nonresidential
- Potential Residential Structure
- Potential Residential Structure Where a Removal Action Was Not Required
- Potential Residential Structure Where a Removal Action Was Required
- Choccolocco Creek
- OU-4 100-Year Floodplain

Maximum Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - <50
- ≥ 50

270—Structure ID

0 1,500 3,000 Feet

Graphic Scale

Notes:

1. Maximum Total PCB Concentration represents the maximum PCB value reported for samples from all depths sampled at that location.
2. Structure IDs are shown for potential residential structures identified for further evaluation only.
3. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
4. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

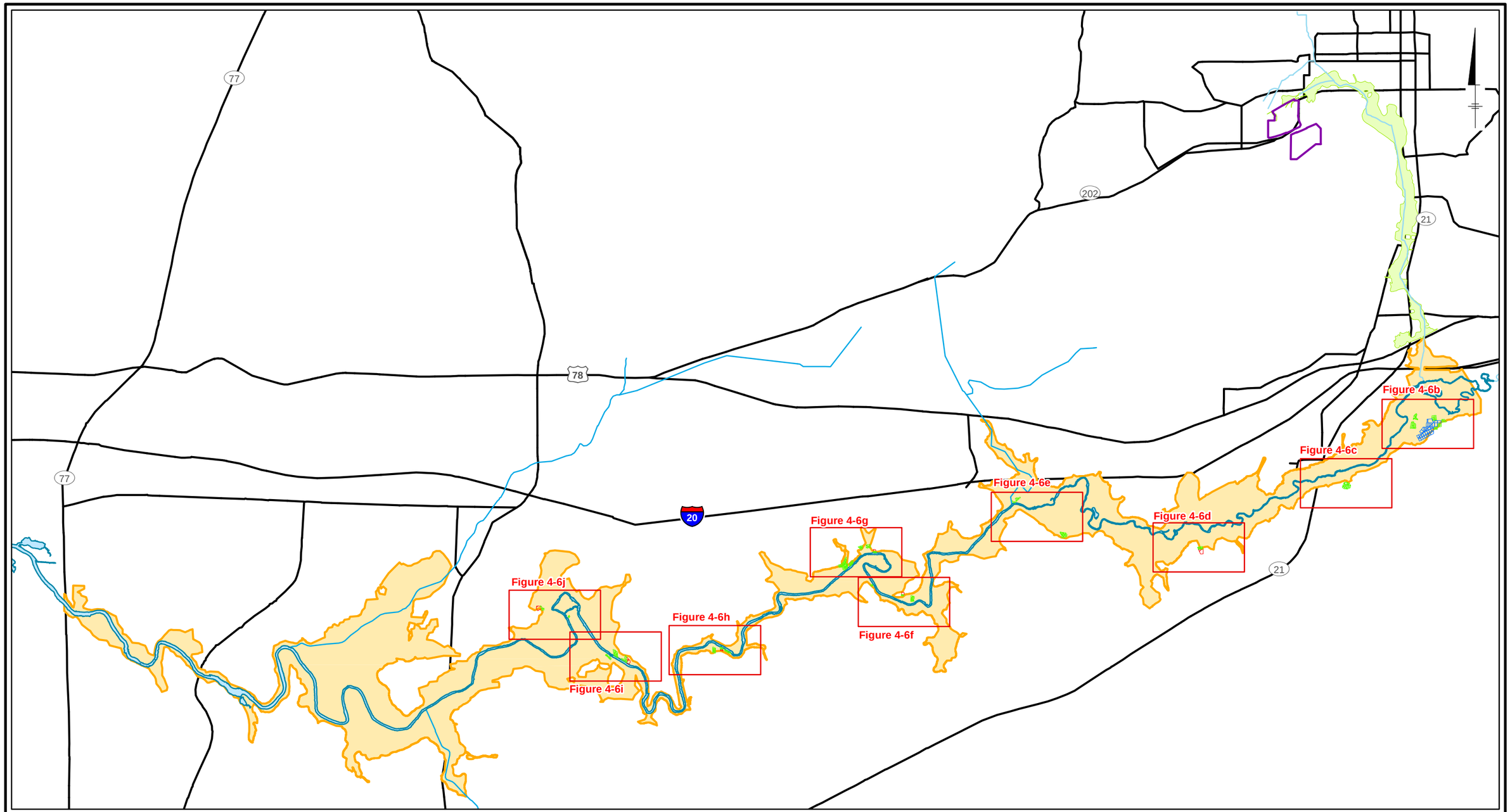
Remedial Investigation Report for OU-4

Potential Residential Structures In and Near OU-4

Solutia

Figure 4-5f

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Residential Parcel Sampled as Part of Area 35
- OU-3 Boundary
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- Choccolocco Creek

0 6,500 13,000 Feet

Graphic Scale

Notes:
1. OU: operable unit

Anniston PCB Site
Anniston, Alabama

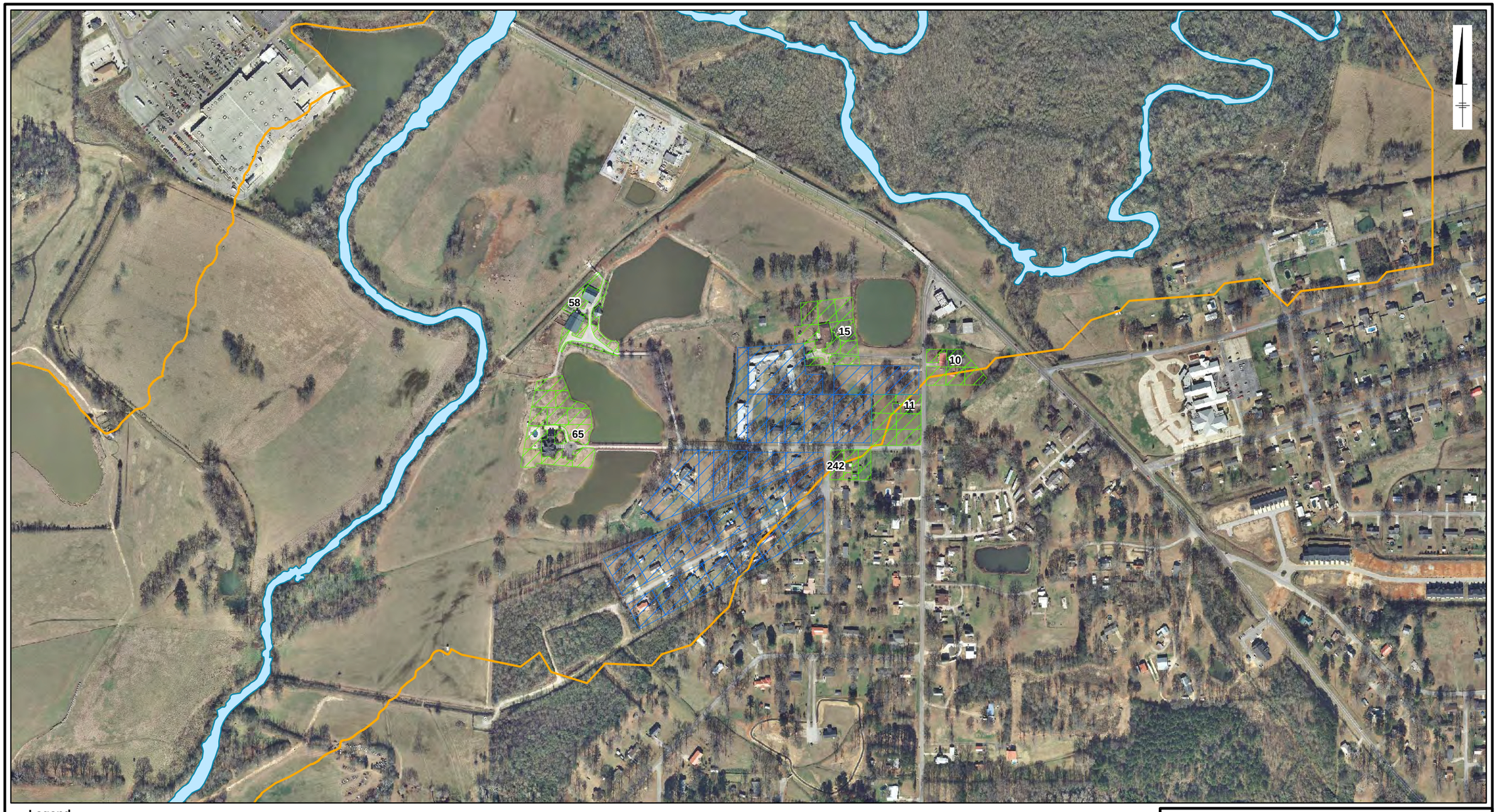
Remedial Investigation Report for OU-4

Key for Sampled Residential Use Area Figures

Solutia

Figure 4-6a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Parcel Sampled as Part of Area 35
- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain
- **68** — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Sampled Residential Use Areas

Solutia

Figure 4-6b

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\AnnistonALMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-6b_ResidentialUseAreas_Mapbook.mxd 7/29/2019 12:38:45 PM



Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

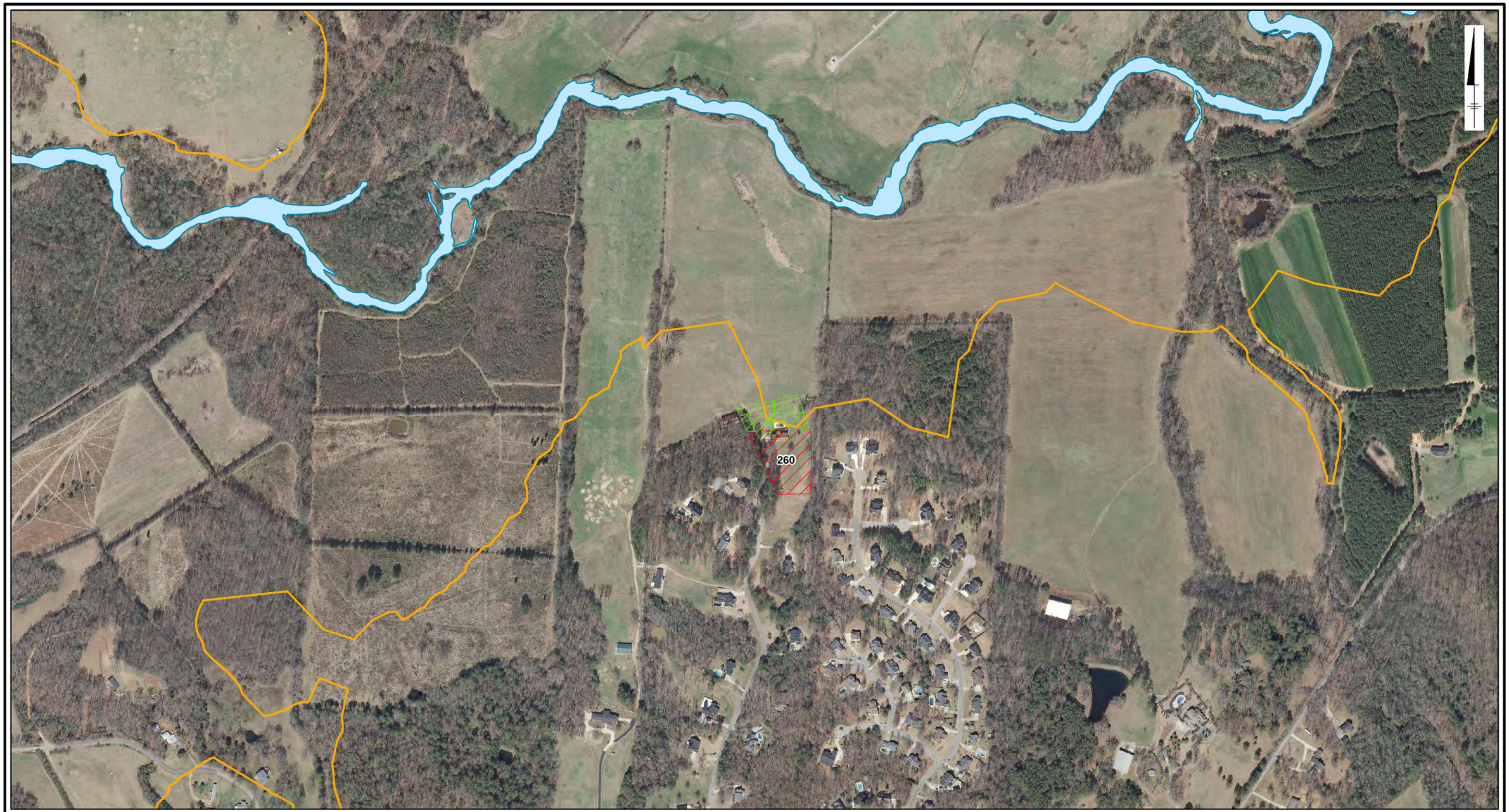
Remedial Investigation Report for OU-4

Sampled Residential Use Areas

Solutia

Figure 4-6c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

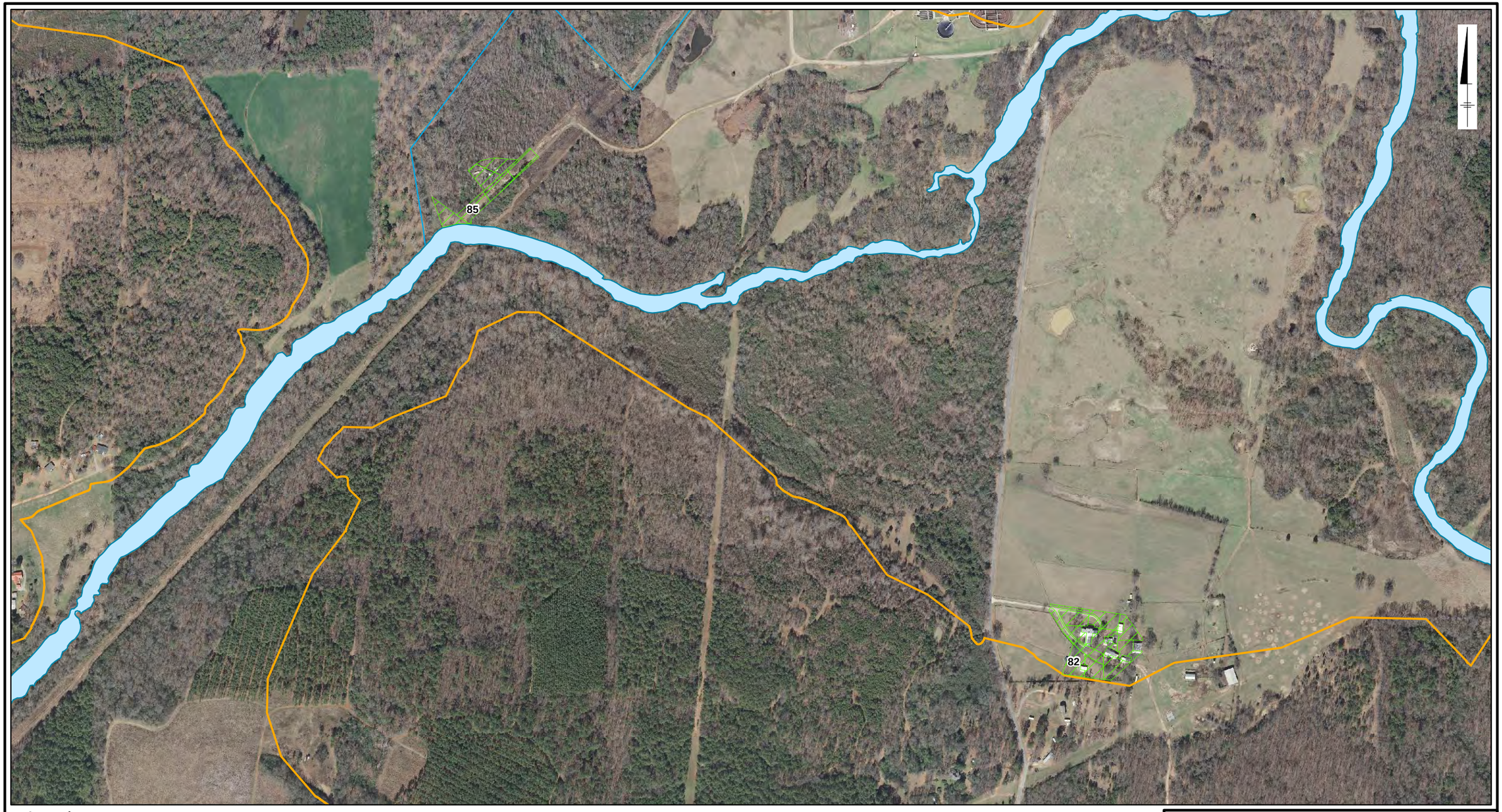
Remedial Investigation Report for OU-4

Sampled Residential Use Areas

Solutia

Figure 4-6d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Sampled Residential Use Areas

Solutia

Figure 4-6e

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Sampled Residential Use Areas

Solutia

Figure 4-6f

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Sampled Residential Use Areas

Solutia

Figure 4-6g

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit

2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Sampled Residential Use Areas

Solutia

Figure 4-6h

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Sampled Residential Use Areas

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Figure
4-6i

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

- Residential Use Area - Sampled
- Residential Use Area - Not Sampled
- Choccolocco Creek
- OU-4 100-Year Floodplain

68 — Structure ID

0 400 800 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Sampled Residential Use Areas

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Figure 4-6j

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Snow Creek Centerline
- Sediment Deposit
- OU-4 100-Year Floodplain

6-25: Sediment Deposit ID (See Table 4-9 and Table 4-10)

0 225 450 Feet

Graphic Scale

Notes:
1. OU: operable unit
2. Aerial imagery provided by Calhoun County.

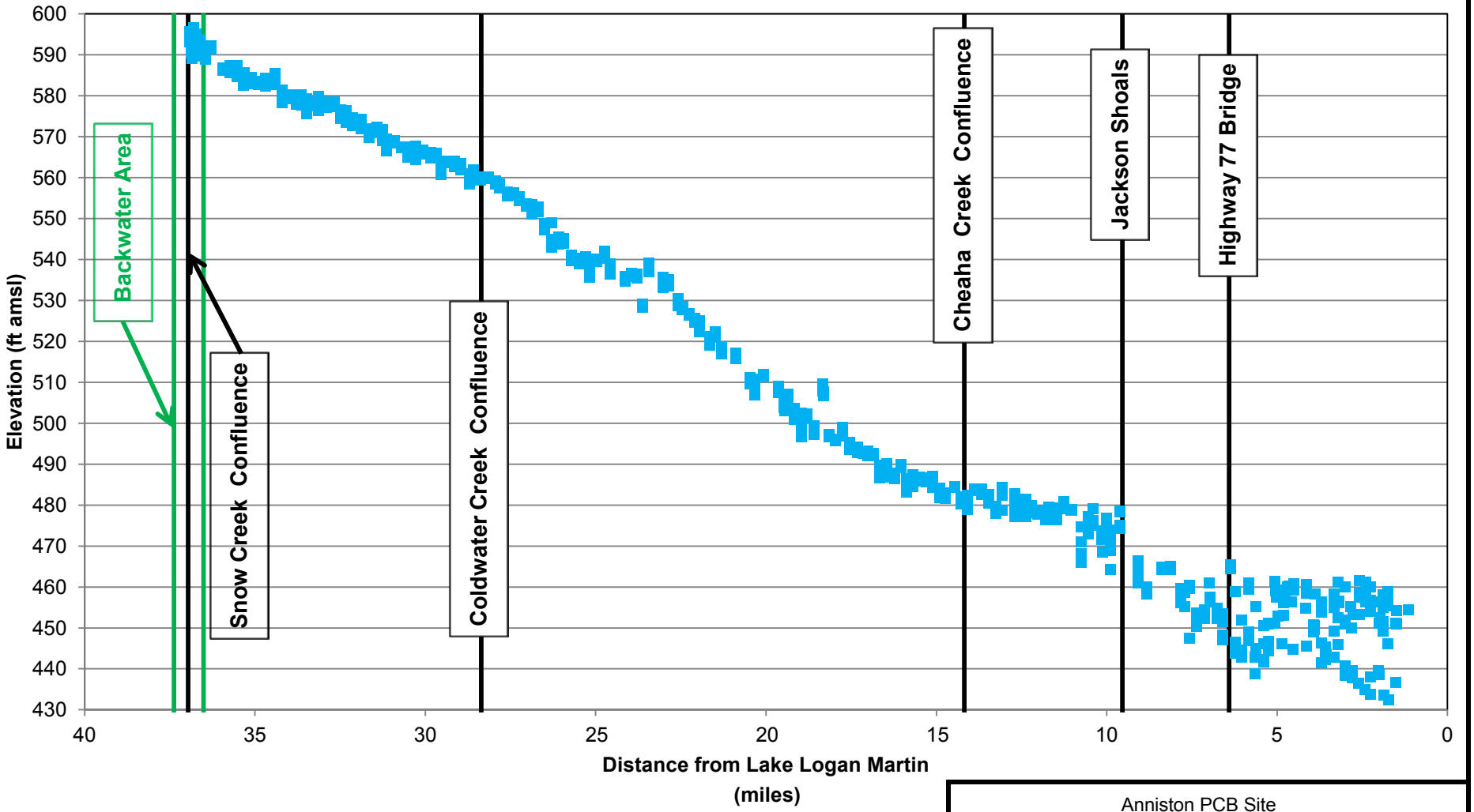
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Snow Creek Sediment Deposit Mapping

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Figure
4-7



Notes:
1. Data presented are based on probing data from 769 locations.
2. Green markers indicate stability areas of interest; black markers indicate landmarks/areas of interest.

ft amsl: feet above mean sea level

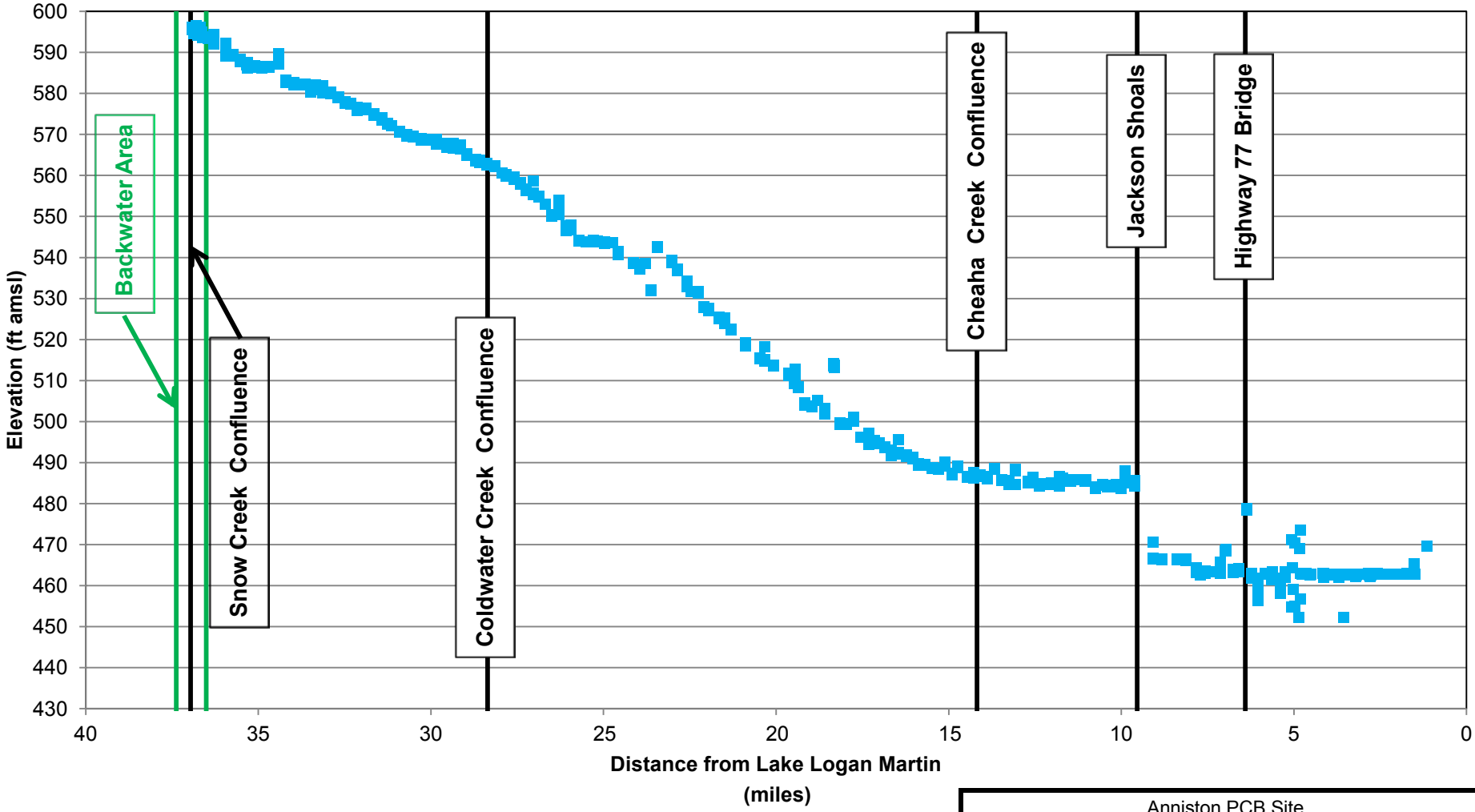
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Creek Bed Elevation for Choccolocco Creek with Distance from Lake Logan Martin

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Ingenuity Productivity Performance

Figure 4-8



Notes:
1. Data presented are based on probing data from 769 locations.
2. Green markers indicate stability areas of interest; black markers indicate landmarks/areas of interest.

ft amsl: feet above mean sea level

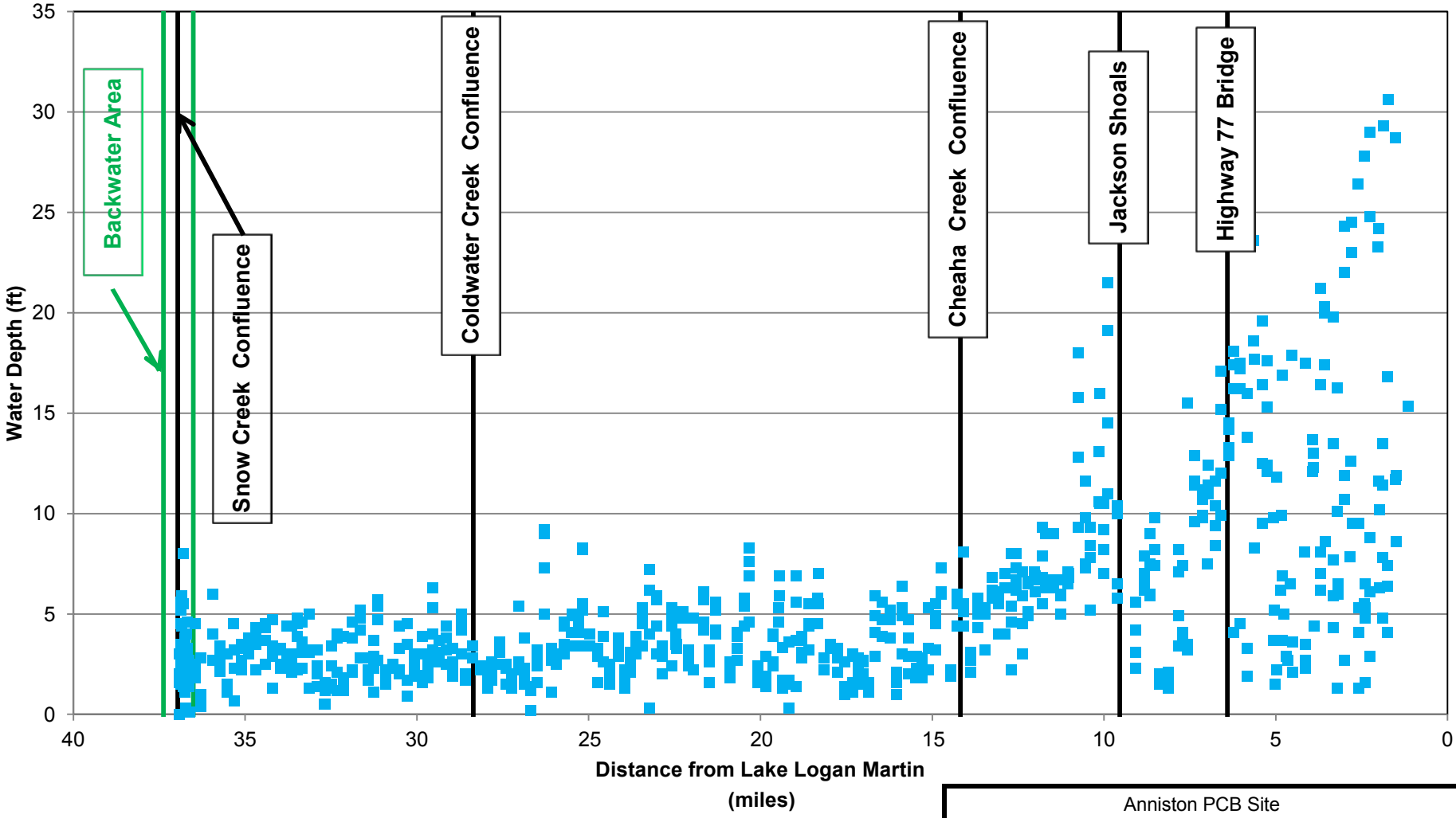
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Water Surface Elevation in Choccolocco Creek with Distance from Lake Logan Martin

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Figure 4-9



Notes:
1. Data presented are based on probing data from 769 locations.
2. Green markers indicate stability areas of interest; black markers indicate landmarks/areas of interest.

ft: feet

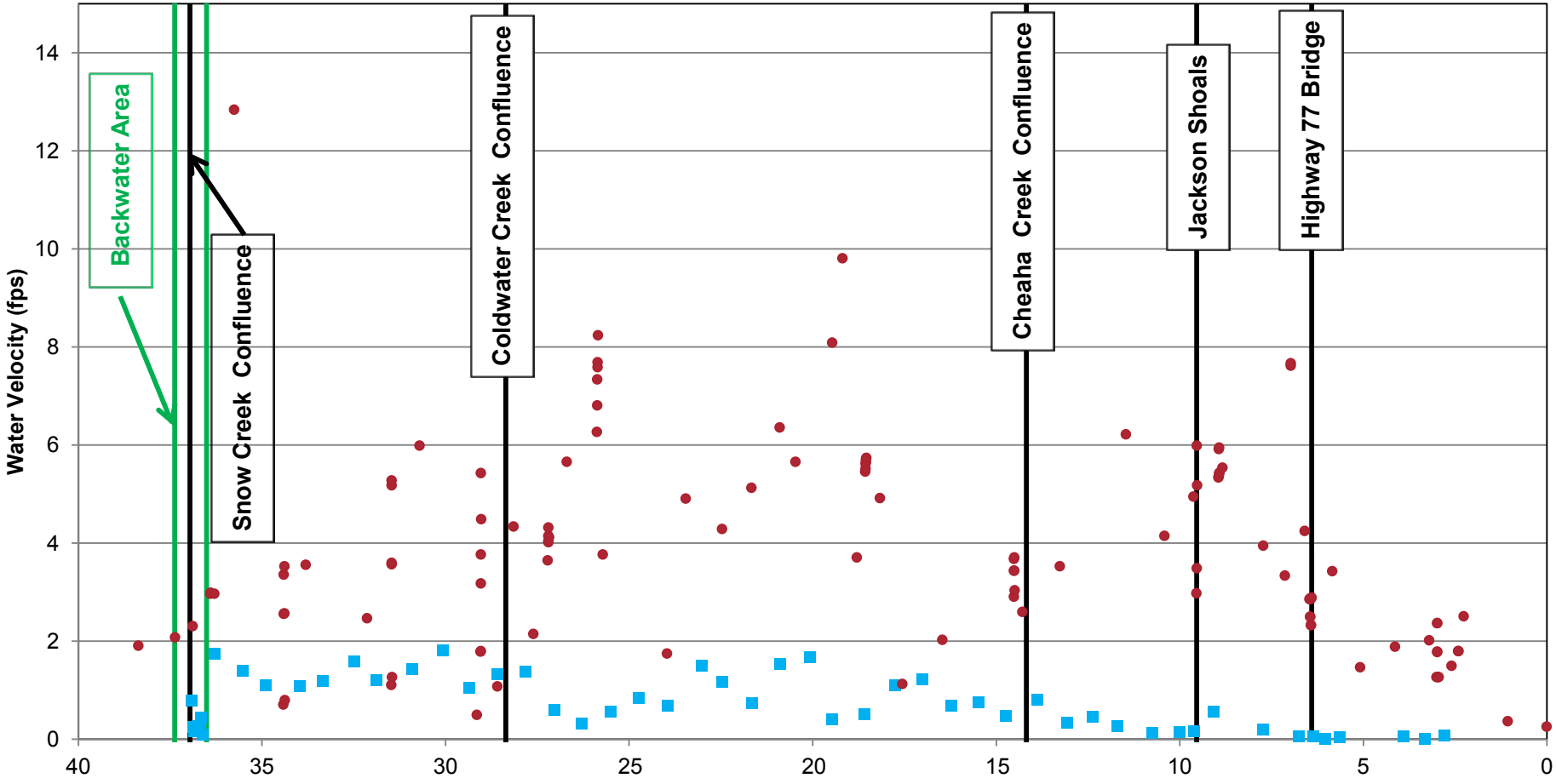
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Water Depth in Choccolocco Creek with Distance from Lake Logan Martin

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Figure 4-10



Notes:
1. Measured data collected during Off-Site RFI base-flow conditions.
2. Model results based on the Off-Site RFI HEC-RAS model for a 2-year flow event.
3. Green markers indicate stability areas of interest; black markers indicate landmarks/areas of interest.

fps: feet per second
HEC-RAS: Hydraulic Engineering Centers River Analysis System
RFI: Resource Conservation and Recovery Act (RCRA) Facility Investigation

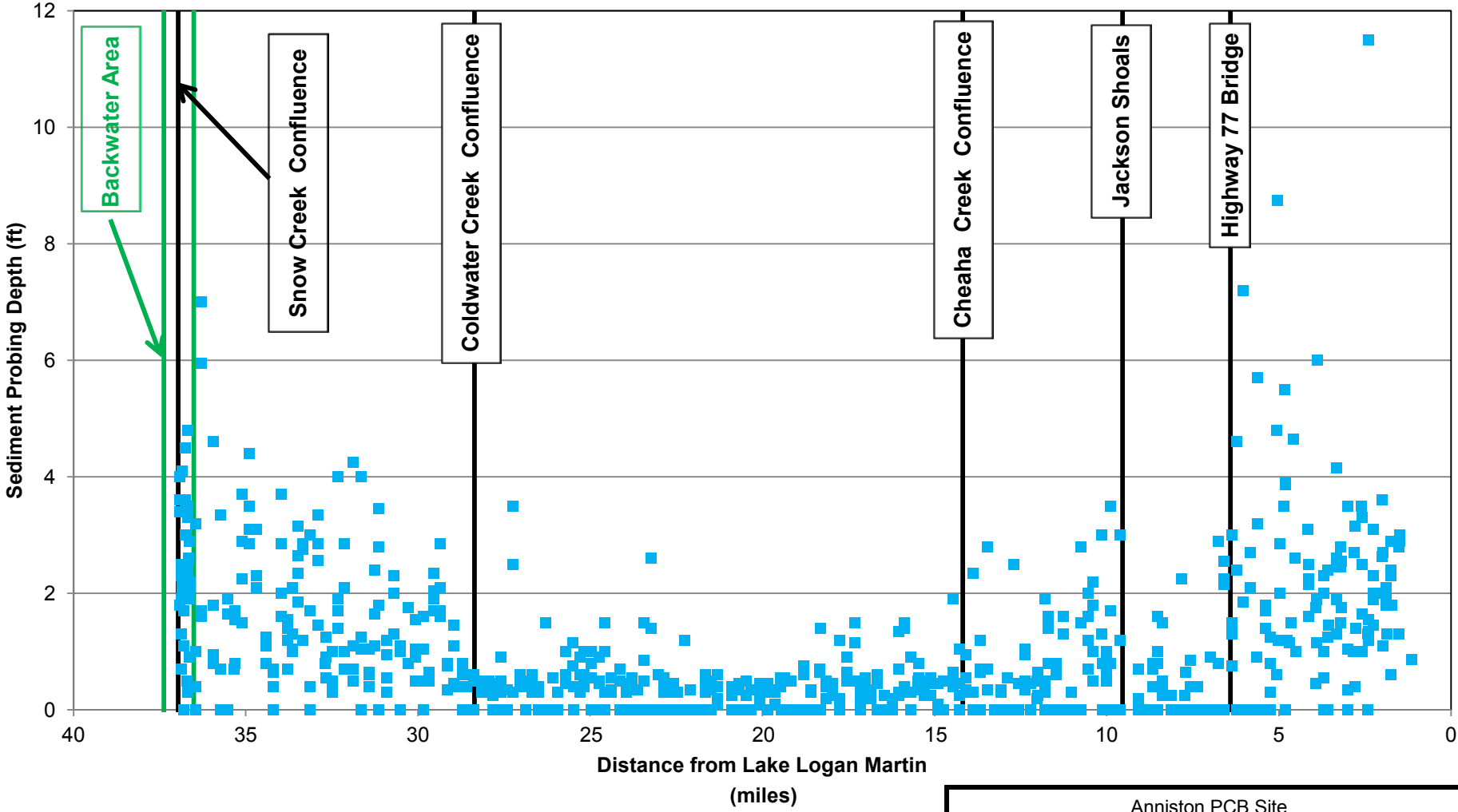
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Water Velocity in Choccolocco Creek with Distance from Lake Logan Martin

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Figure 4-11



Notes:
1. Data presented are based on probing data from 769 locations.
2. Green markers indicate stability areas of interest; black markers indicate landmarks/areas of interest.

ft: feet

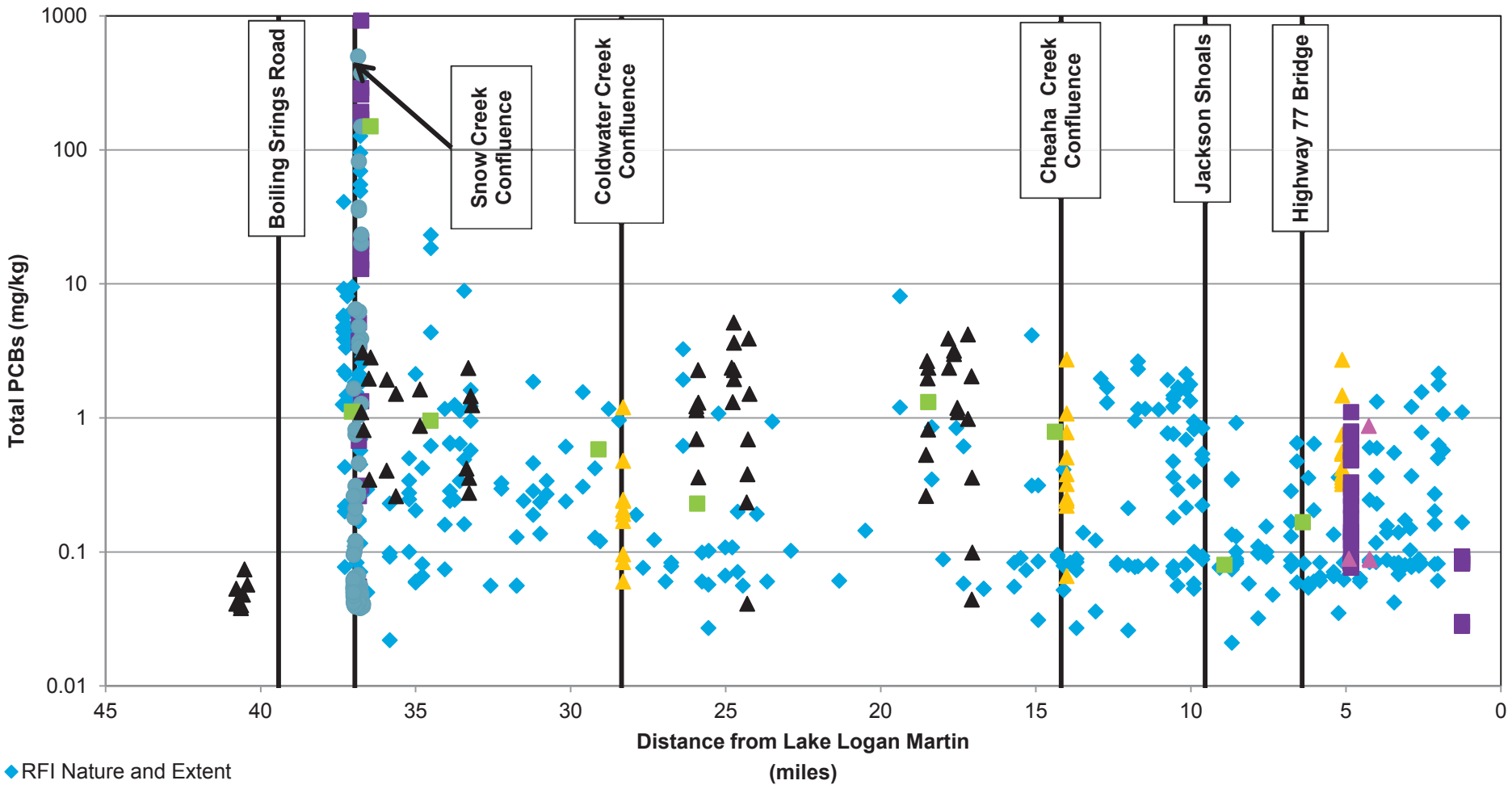
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Anniston, Alabama

Remedial Investigation Report for OU-4

Probing Depth in Choccolocco Creek Sediment with Distance from Lake Logan Martin

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Figure 4-12



- RFI Nature and Extent
- RFI Fish Tissue Sampling Locations
- Geochronological
- RI/FS Nature and Extent
- RI/FS Fish Tissue Collection Locations
- RI/FS Ecological Program
- Lake Pointe

Notes:

mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

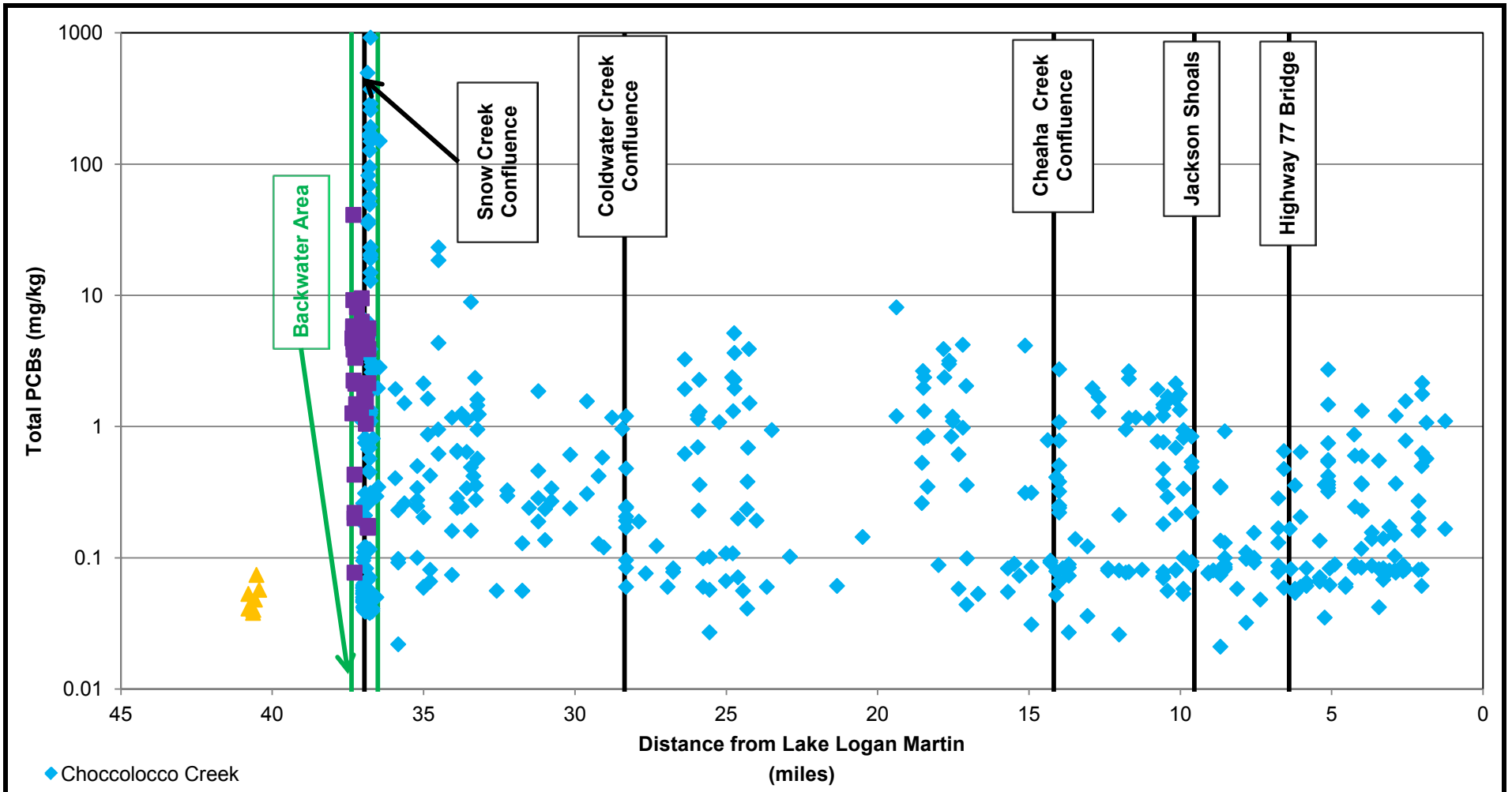
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Total PCB Concentrations in Sediment with Distance from Lake Logan Martin by Collection Program

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Ingenuity Productivity Performance

Figure 4-13



Notes:
Green markers indicate stability areas of interest; black markers indicate landmarks/areas of interest.

mg/kg: milligrams per kilogram

PCB: polychlorinated biphenyl

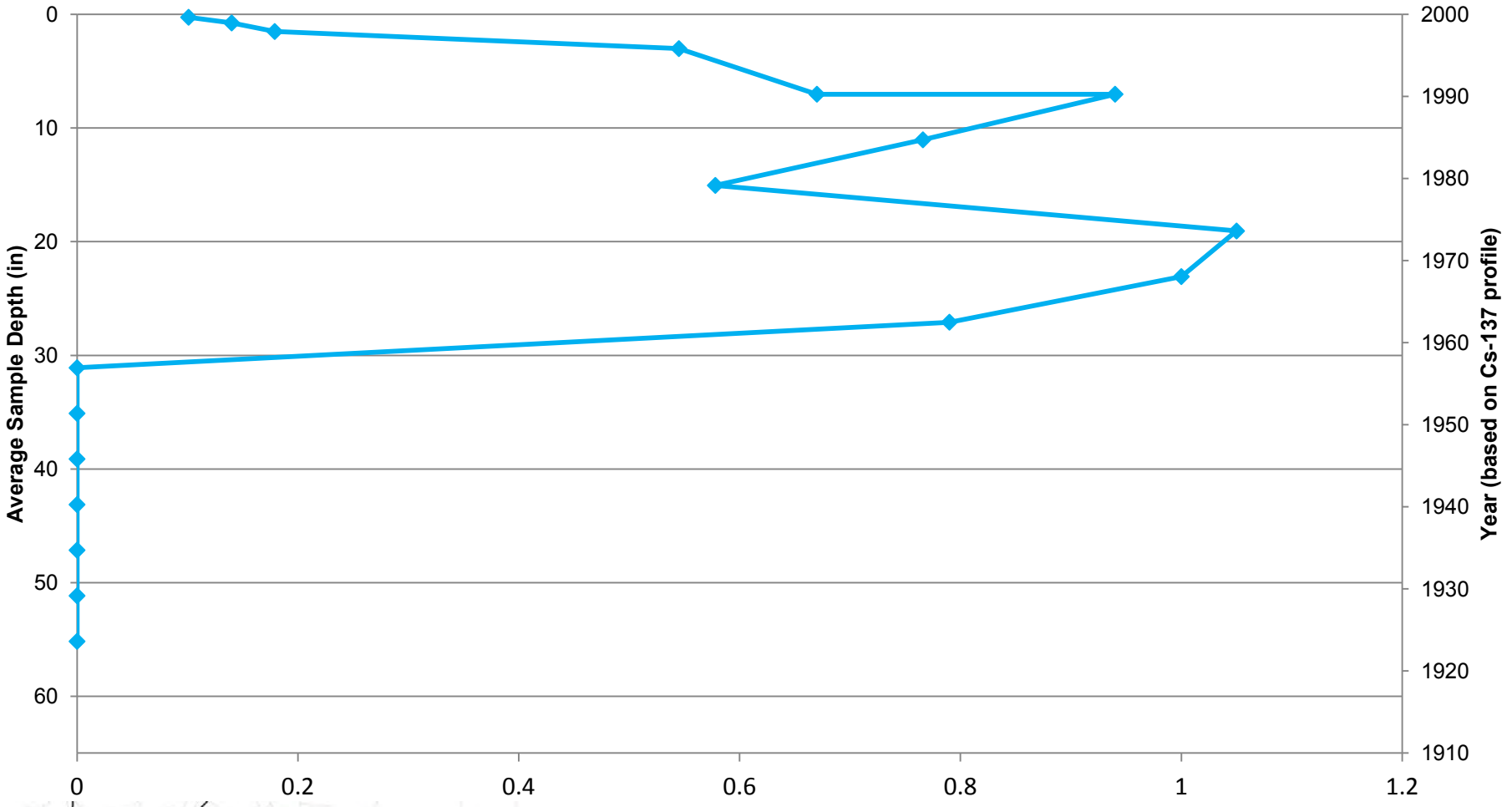
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Total PCB Concentrations in Sediment with Distance from Lake Logan Martin by General Area

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Figure 4-14





Notes:
Dates based on cesium-137 (Cs-137) profile.
First detectable Cs-137 reported between 26- and 28-inch sample depth, which corresponds to the 1954 horizon.

Cs-137: cesium-137
in: inches
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

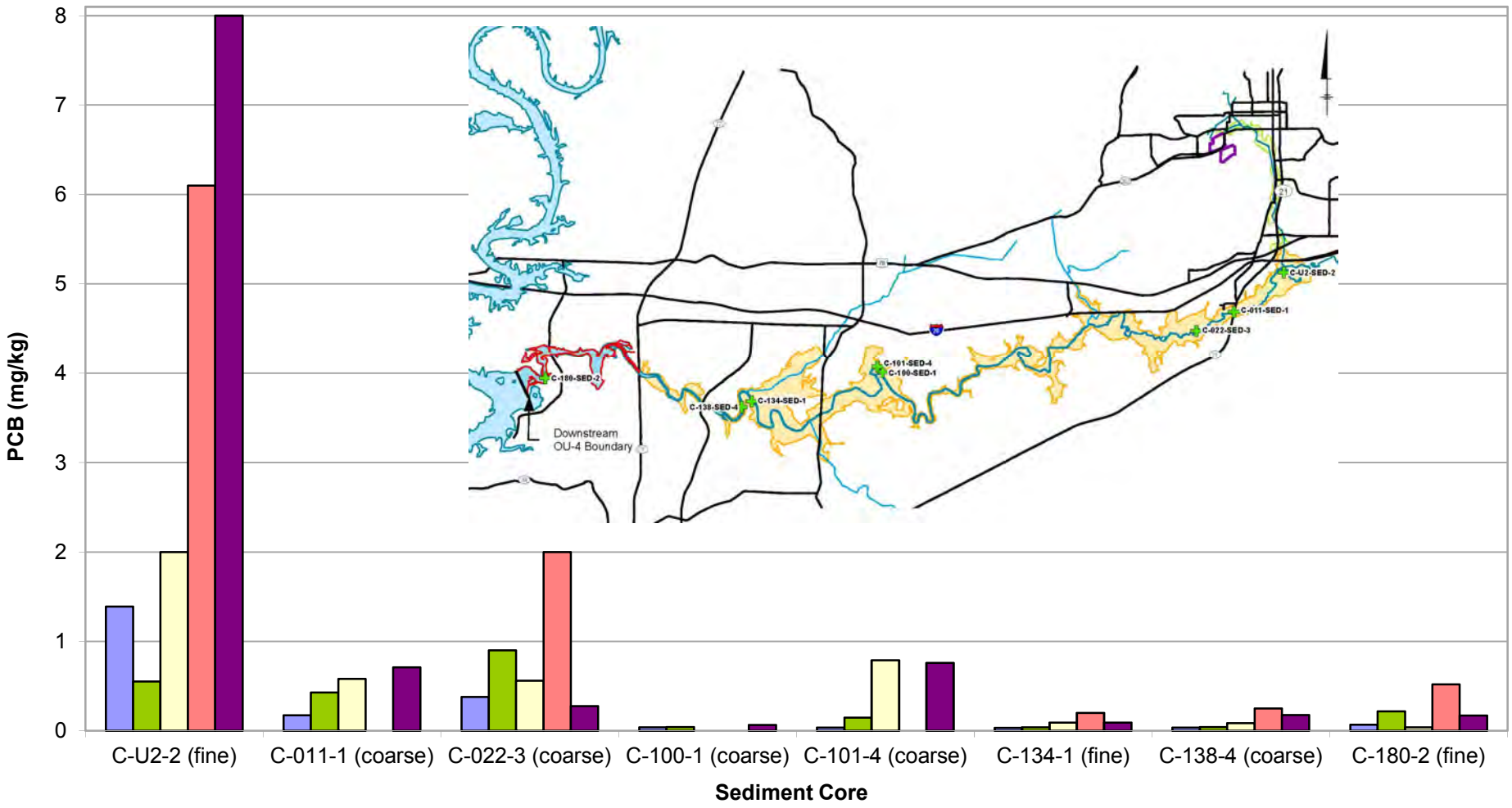
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Geochronological Profile/Embayment Area Sediment PCB: MLM-GEO-7

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Ingenuity Productivity Performance

Figure 4-15



mg/kg: milligrams per kilogram
mm: millimeter
PCB: polychlorinated biphenyl

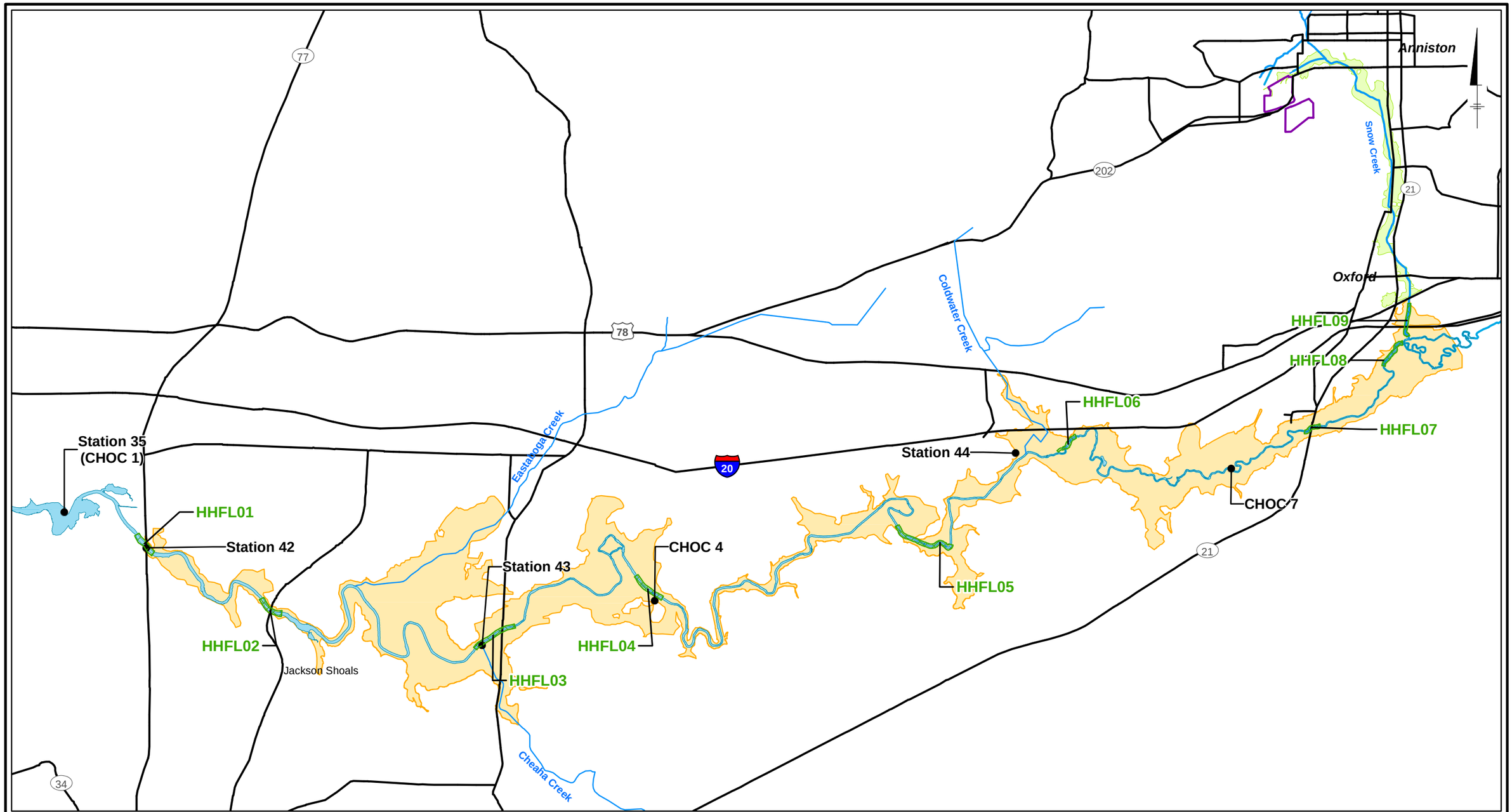
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB Concentration by Wet-Sieve Size Fractions in Choccolocco Creek

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Ingenuity Productivity Performance

Figure
4-16



Legend

- Historical Fish Sampling Location
- Major Roads
- Human Health Risk Assessment Fish Sampling Area (HHFL)
- Choccolocco Creek
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- OU-3 Boundary

0 7,500 15,000 Feet

Graphic Scale

Notes:
1. Sample Location CHOC10 (ADEM) is not shown on this figure and is located approximately 4 miles upstream of the site on Choccolocco Creek.

2. CERCLA Program Sample Locations (HHFL01 through HHFL09)
ADEM Program Sample Locations (CHOC1, CHOC4, CHOC7, and Station 35)
RCRA Program Sample Locations (Station 43, Station 44, and Station 35)
Bryne Sample Locations (Station 42, Station 43, Station 44, and Station 35)

3. OU: operable unit
RCRA: Resource Conservation and Recovery Act
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
ADEM: Alabama Department of Environmental Management

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Anniston, Alabama

Remedial Investigation Report for OU-4

Fish Sampling Locations

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Figure 4-17

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: TJScott
Anniston
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SE-U1-1

SE-U2-1

SE-U3-1

SE-U4-1

Legend

- Sediment Trap Location
- Creek
- OU-4 100-Year Floodplain

0 750 1,500 Feet

Graphic Scale

Notes:
1. OU: operable unit

2. Aerial imagery provided by Calhoun County.

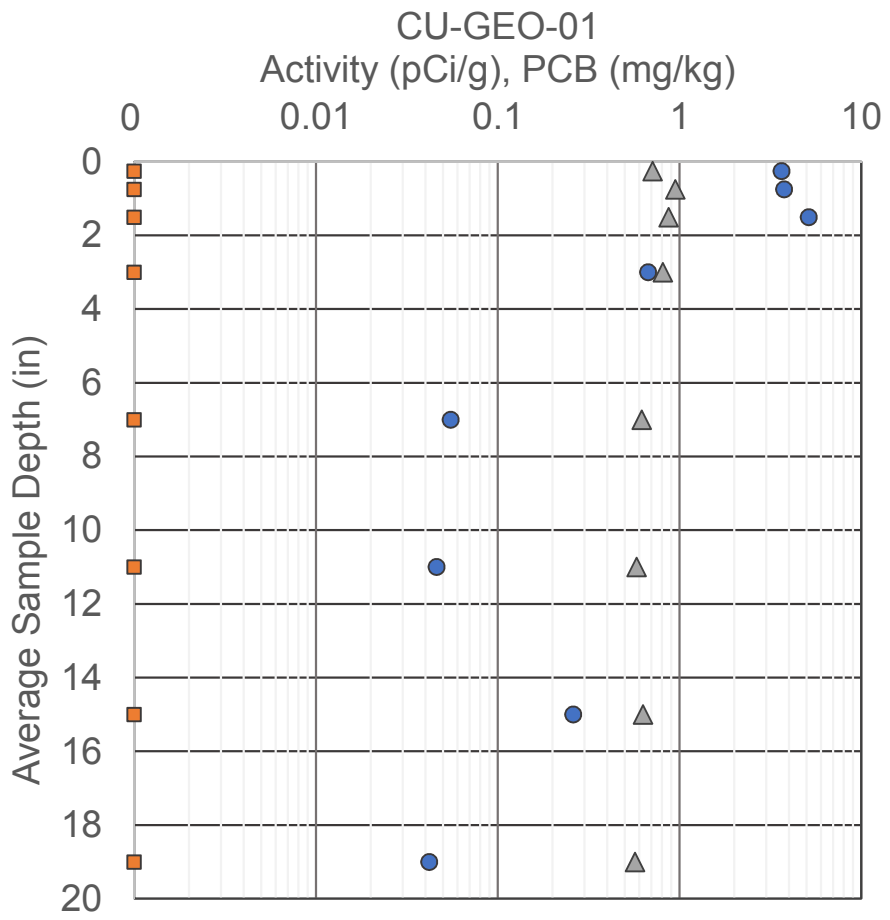
Anniston PCB Site
Anniston, Alabama

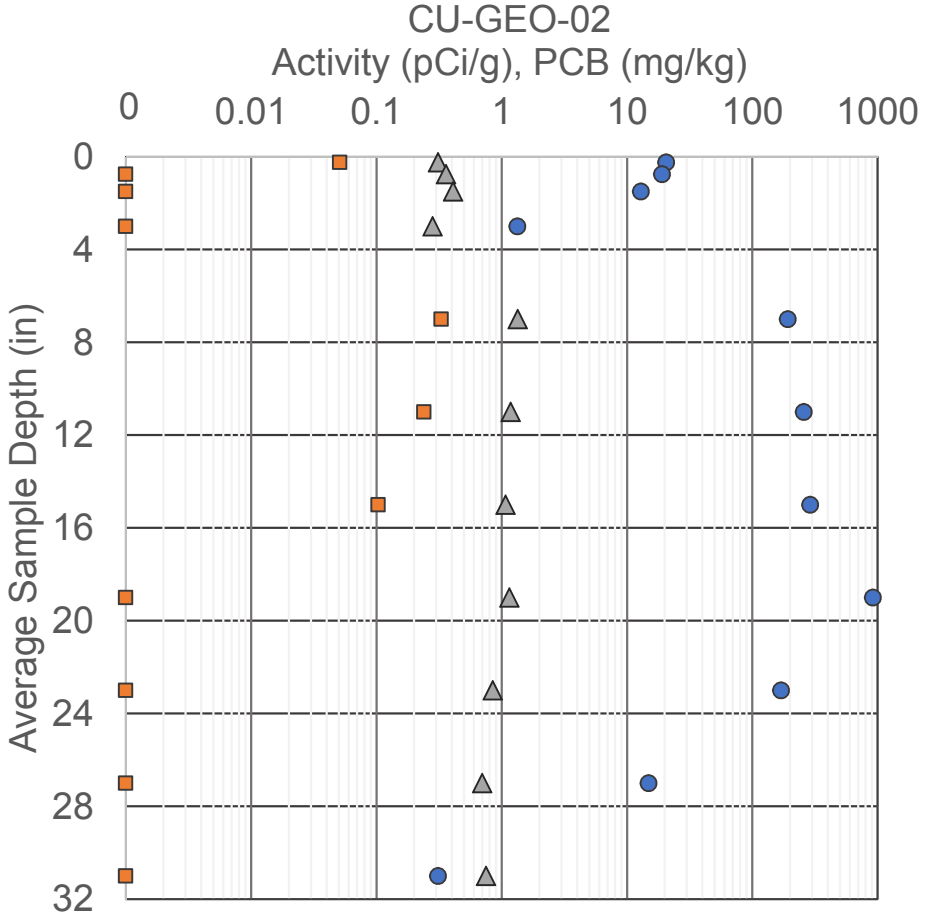
Remedial Investigation Report for OU-4

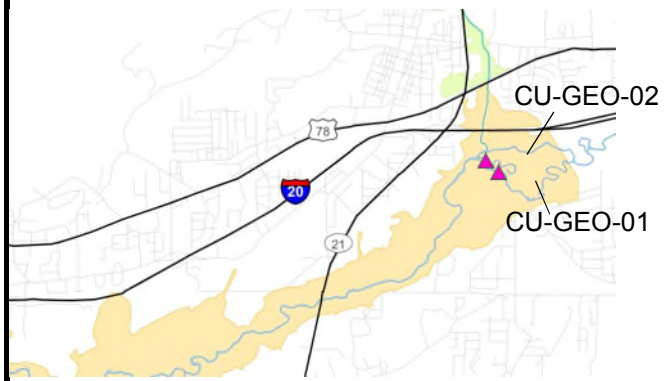
Sediment Trap Locations

Solutia

Figure
4-18







Total PCBs (mg/kg)

Cs-137 (pCi/g)

Pb-210 (pCi/g)

Notes:
Cs-137: cesium-137
in: inches
mg/kg: milligrams per kilogram
Pb-210: lead-210
PCB: polychlorinated biphenyl
pCi/g: picocuries per gram

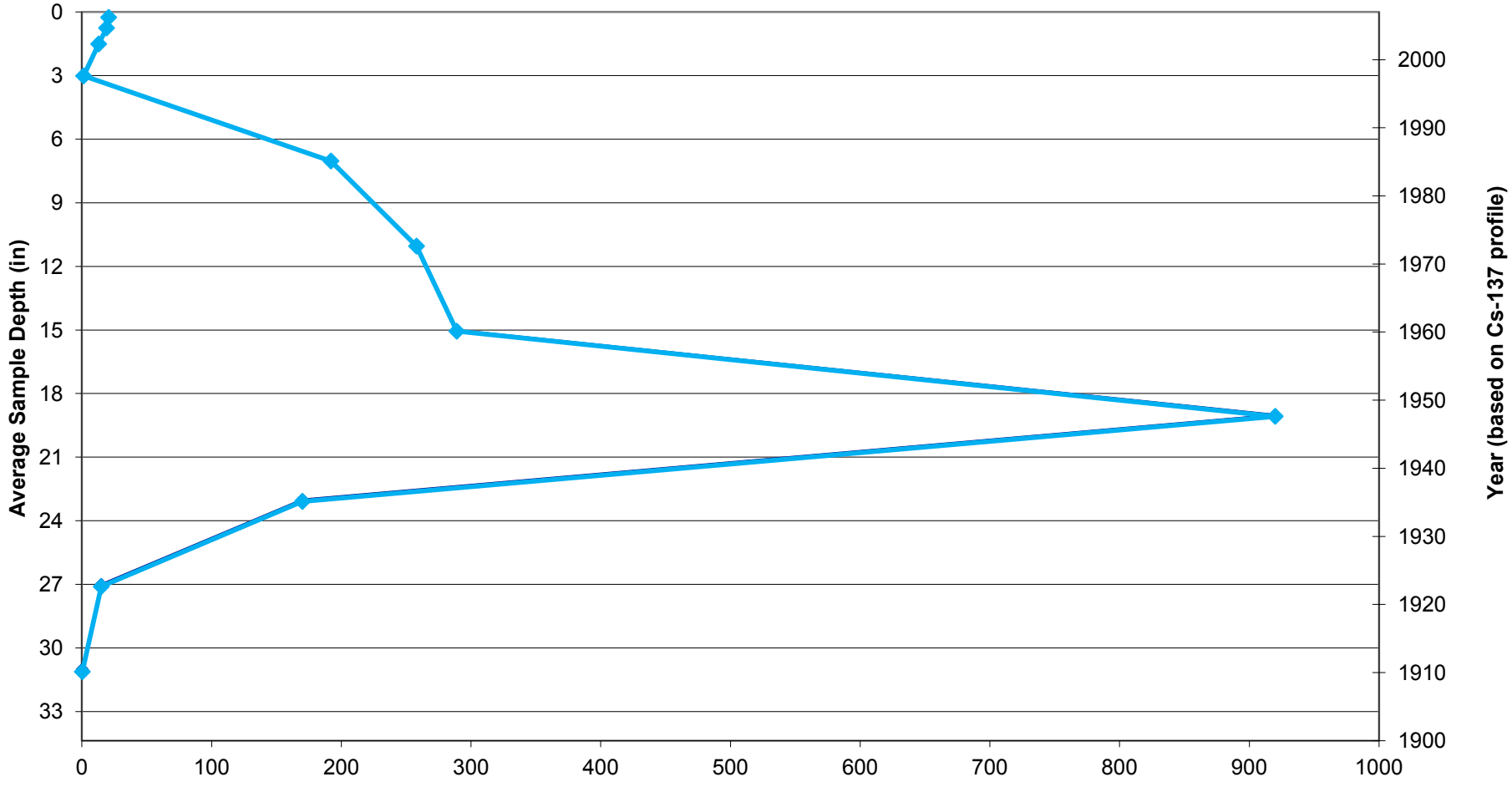
Anniston PCB Site
Anniston, Alabama

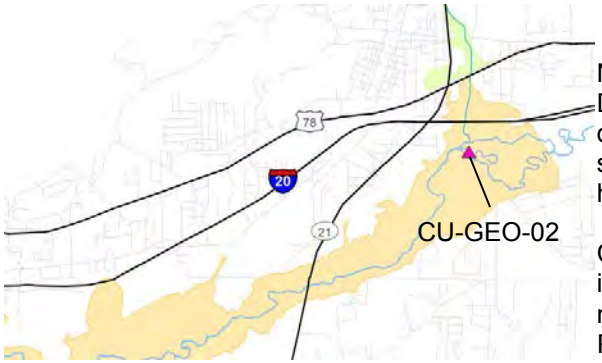
Remedial Investigation Report for OU-4

Geochronological Sample Results
CU-GEO-01, CU-GEO-02

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Figure
4-19a





Notes:
Dates based on cesium-137 (Cs-137) profile. First detectable Cs-137 reported between 15- and 19-inch sample depth, which corresponds to the 1954 horizon.

Cs-137: cesium-137
in: inches
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

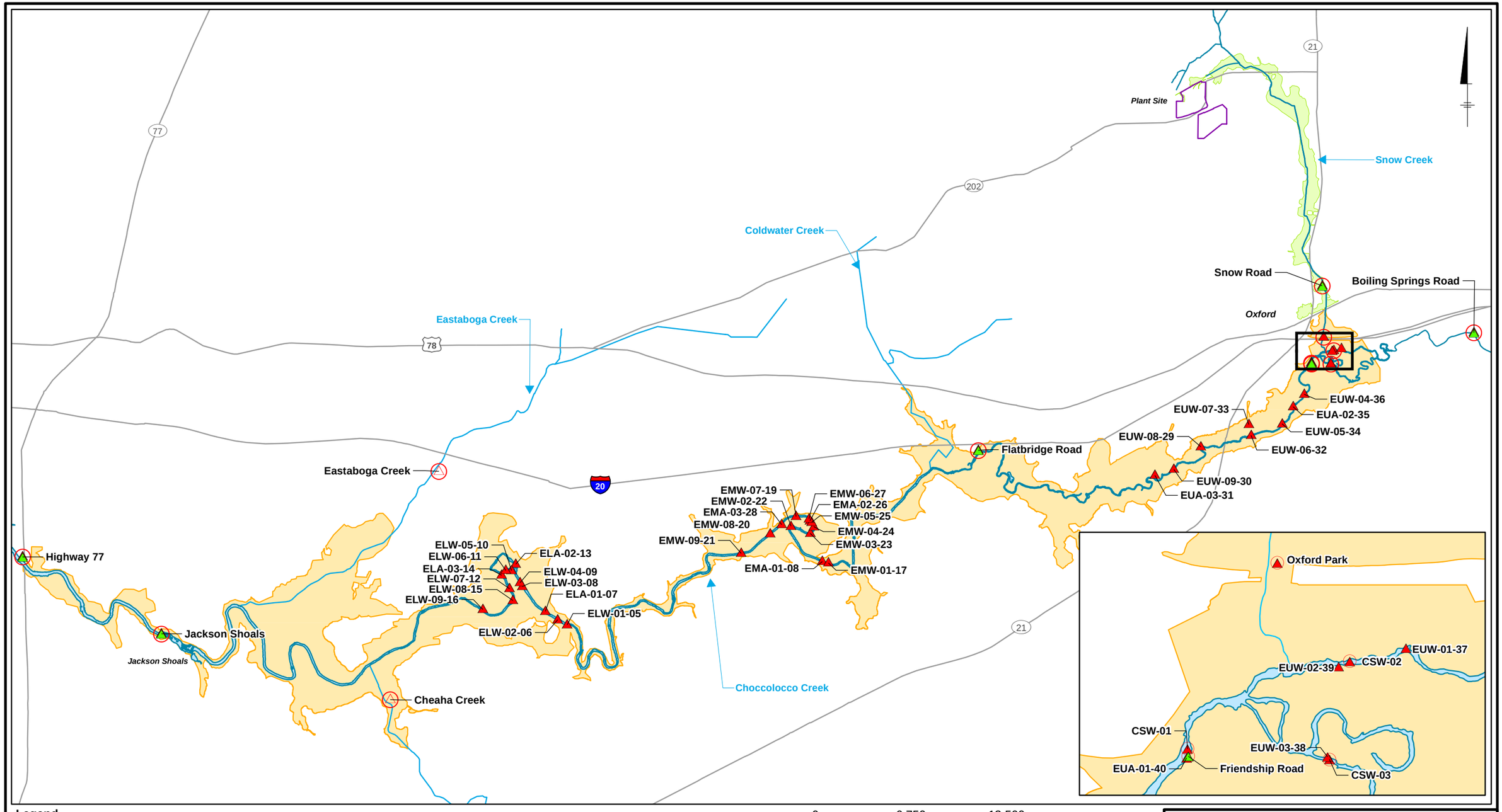
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Geochronological Profile for CU-GEO-02

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Ingenuity Productivity Performance

Figure
4-19b



Legend

- Suspended Sediment PCB Sampling
- No Surface Water PCB Sampling
- Surface Water PCB Sampling
- Surface Water Flow Rate Measured
- Choccolocco Creek
- OU-3 Boundary
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain

0 6,750 13,500 Feet

Graphic Scale

Notes:
1. OU: operable unit
   PCB: polychlorinated biphenyl

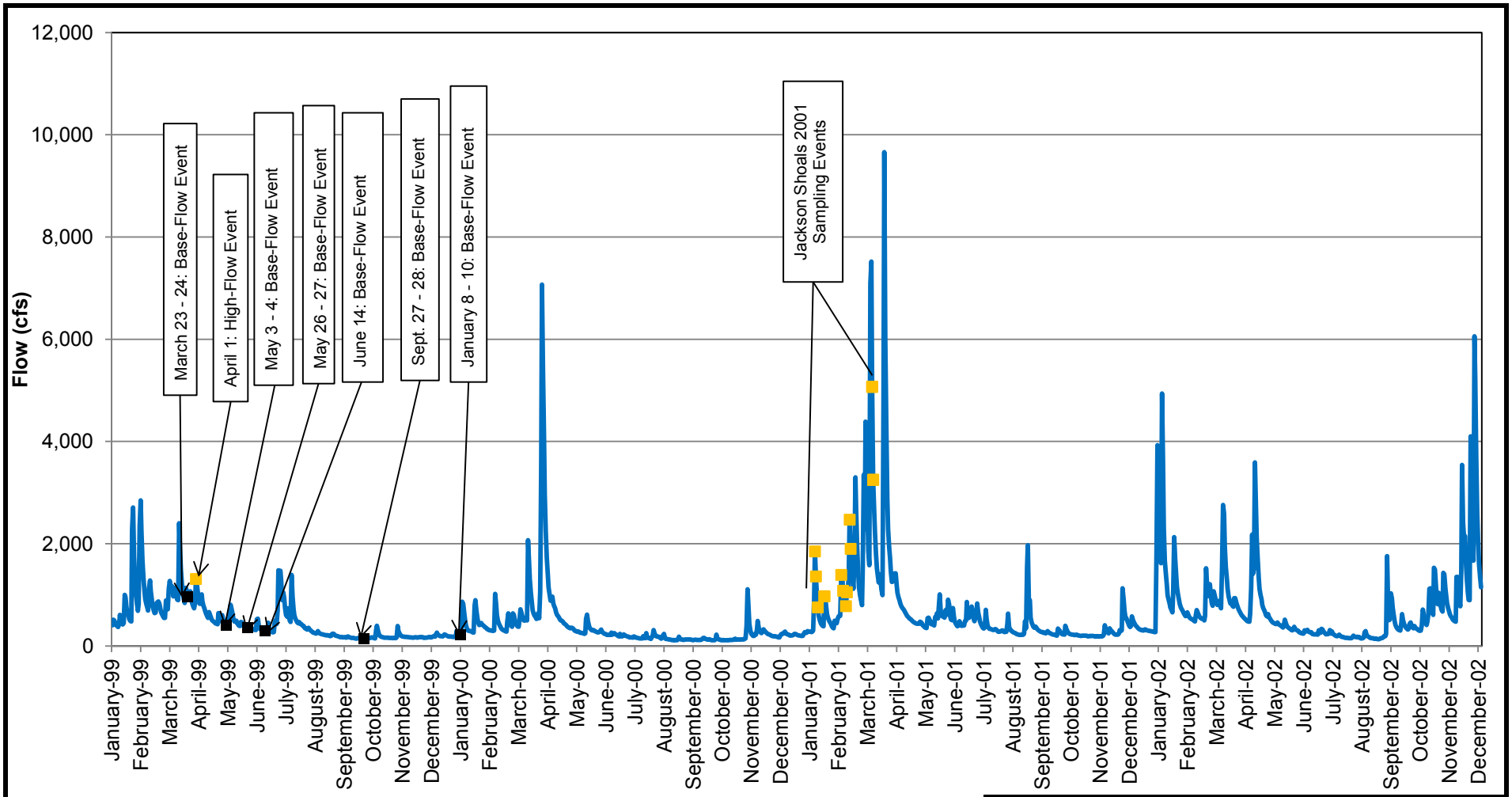
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Surface Water Sampling Locations

Figure **4-20**

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\ALLMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F4-20_SurfaceWaterSamplingProgram_v2.mxd 7/29/2019 12:50:58 PM



Notes:
Flow data was obtained from USGS Gage 02404400.

cfs: cubic feet per second
USGS: U.S. Geological Survey

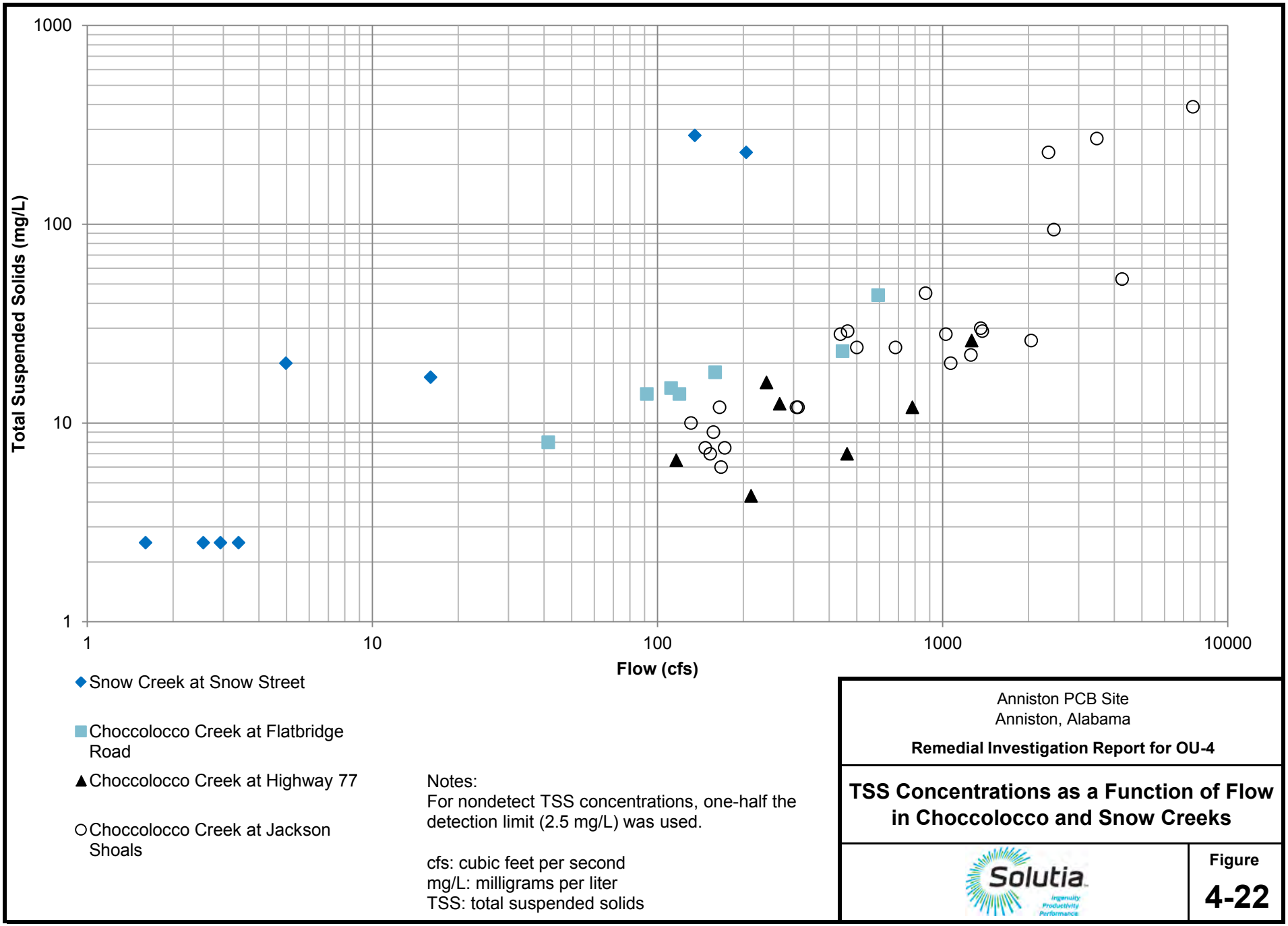
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Base- and High-Flow Sampling Events near Jackson Shoals January 1, 1999 - December 31, 2002

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Figure
4-21



Notes:
For nondetect TSS concentrations, one-half the detection limit (2.5 mg/L) was used.

cfs: cubic feet per second
mg/L: milligrams per liter
TSS: total suspended solids

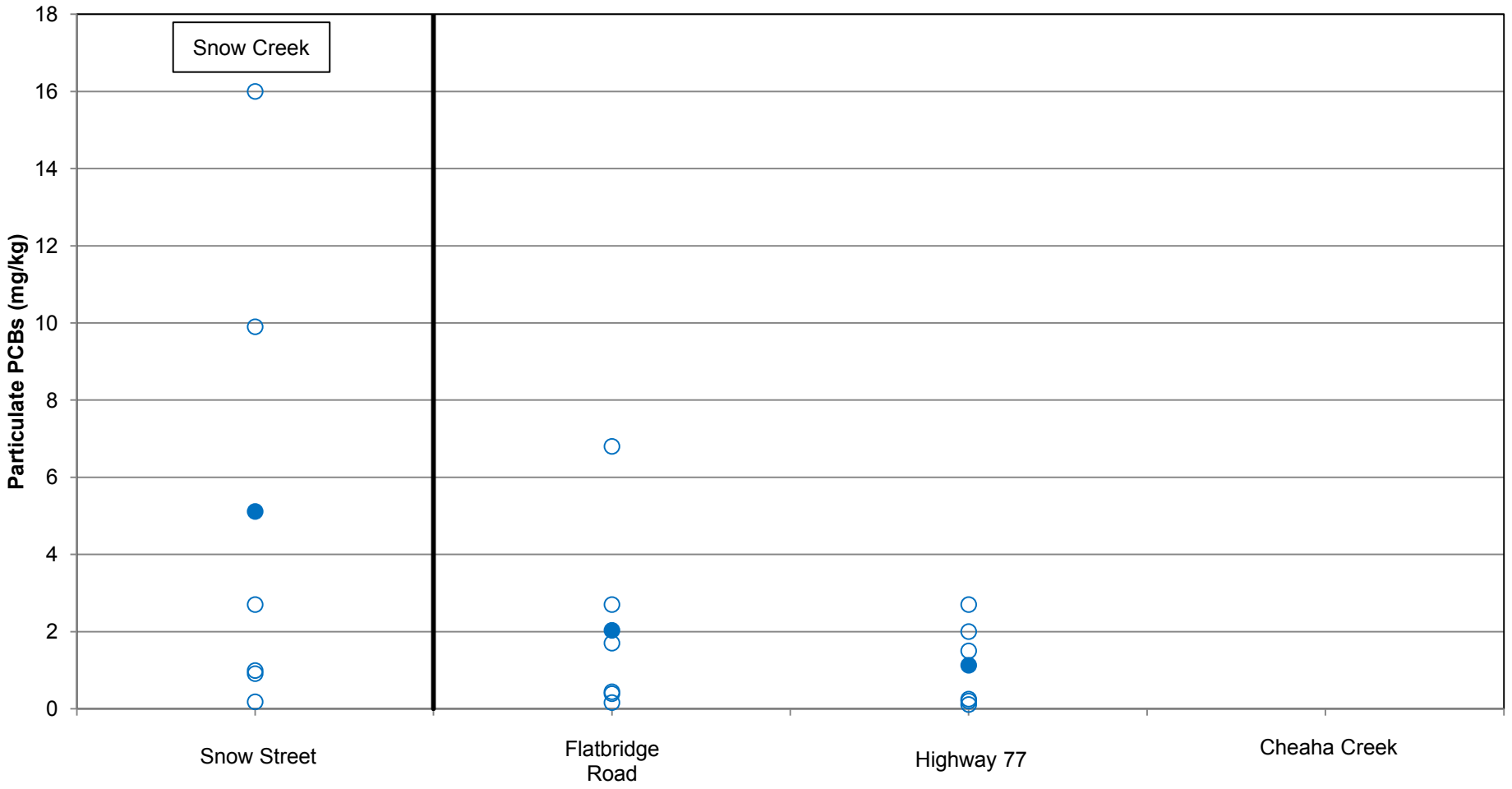
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

TSS Concentrations as a Function of Flow in Choccolocco and Snow Creeks

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Figure
4-22



mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

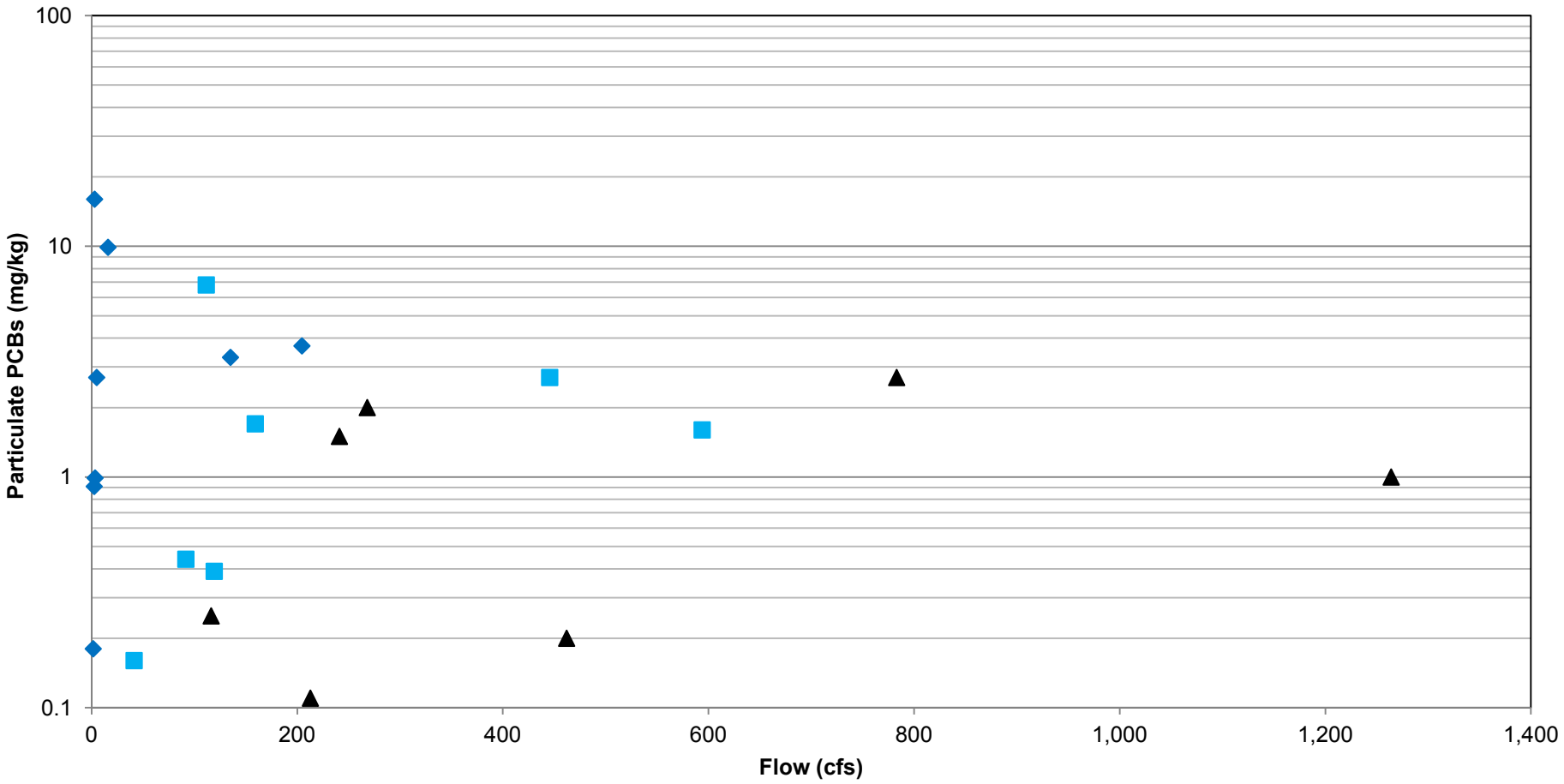
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Anniston, Alabama

Remedial Investigation Report for OU-4

Base-Flow Water Column Sampling Particulate PCB Results

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Figure
4-23



cfs: cubic feet per second
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

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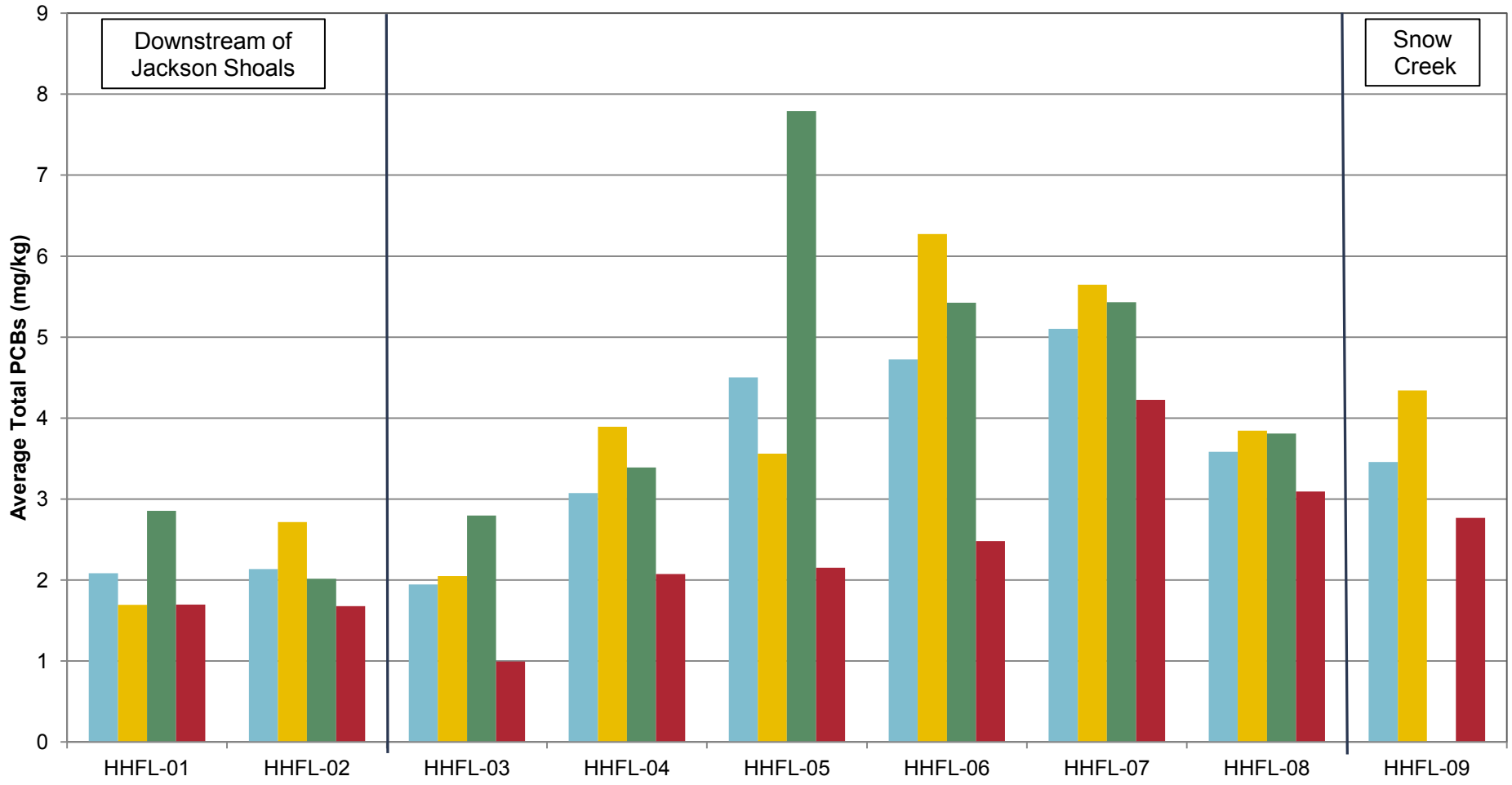
Remedial Investigation Report for OU-4

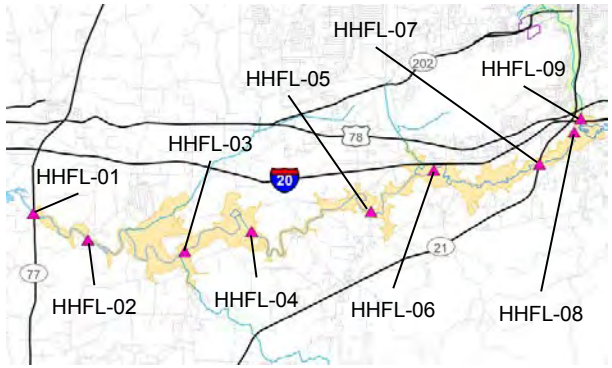
Particulate PCB Concentrations as a Function of Flow in Choccolocco and Snow Creeks

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Ingenuity Productivity Performance

Figure 4-24





Notes:
These data represent adult fish fillet samples collected in 2008.

mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

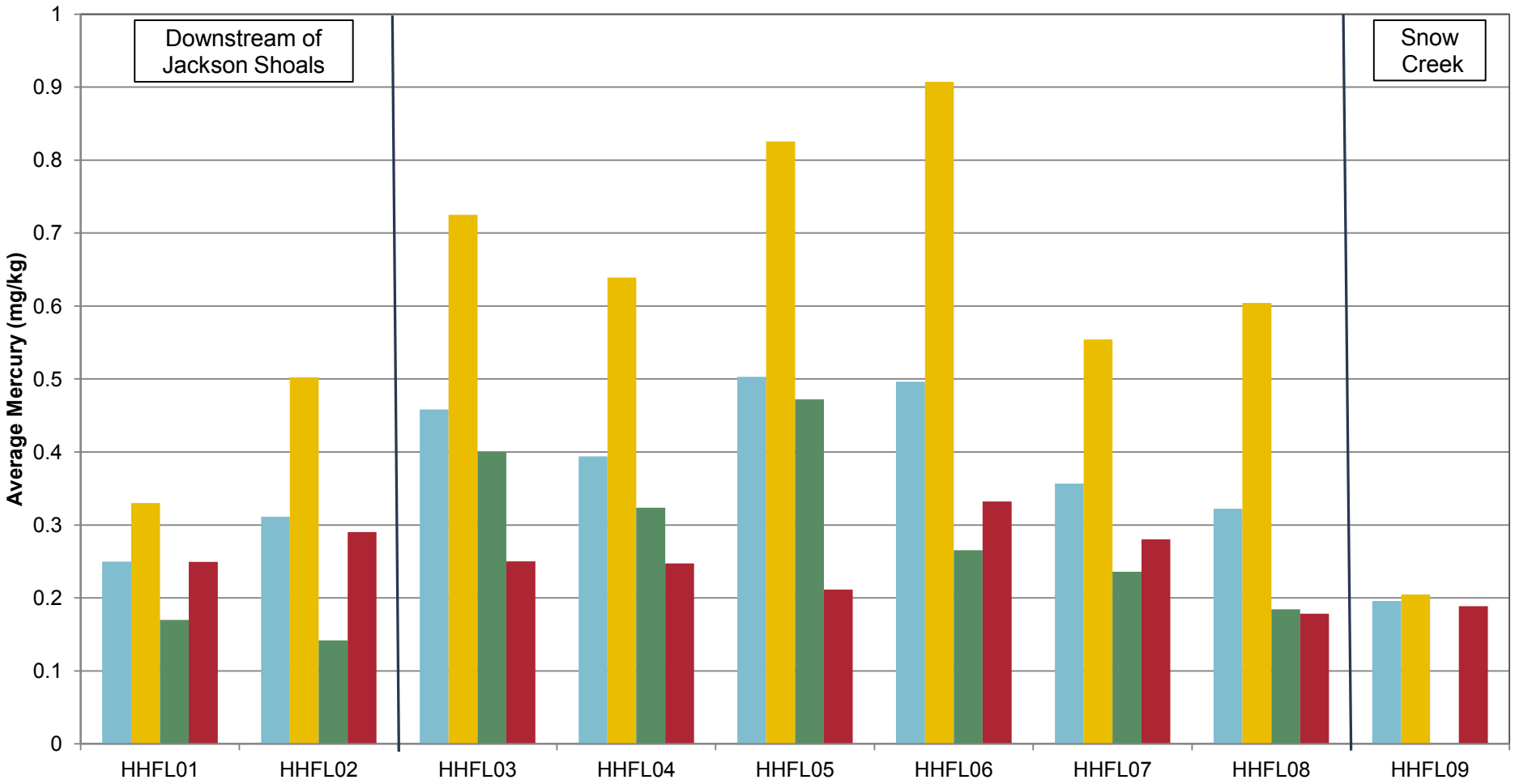
Anniston PCB Site
Anniston, Alabama

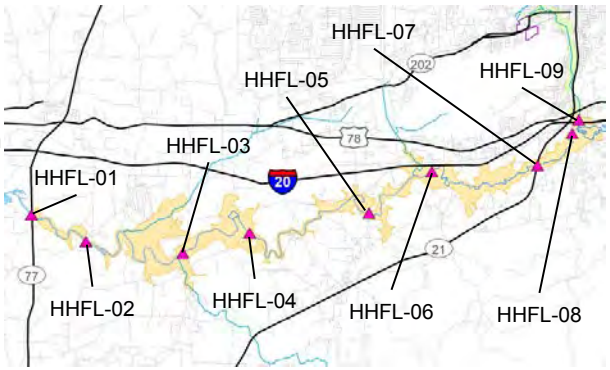
Remedial Investigation Report for OU-4

Average Fish PCB Concentrations by Location and Species Group

Solutia
Ingenuity Productivity Performance

Figure
4-25





Notes:
These data represent adult fish fillet samples collected in 2008.

mg/kg: milligrams per kilogram

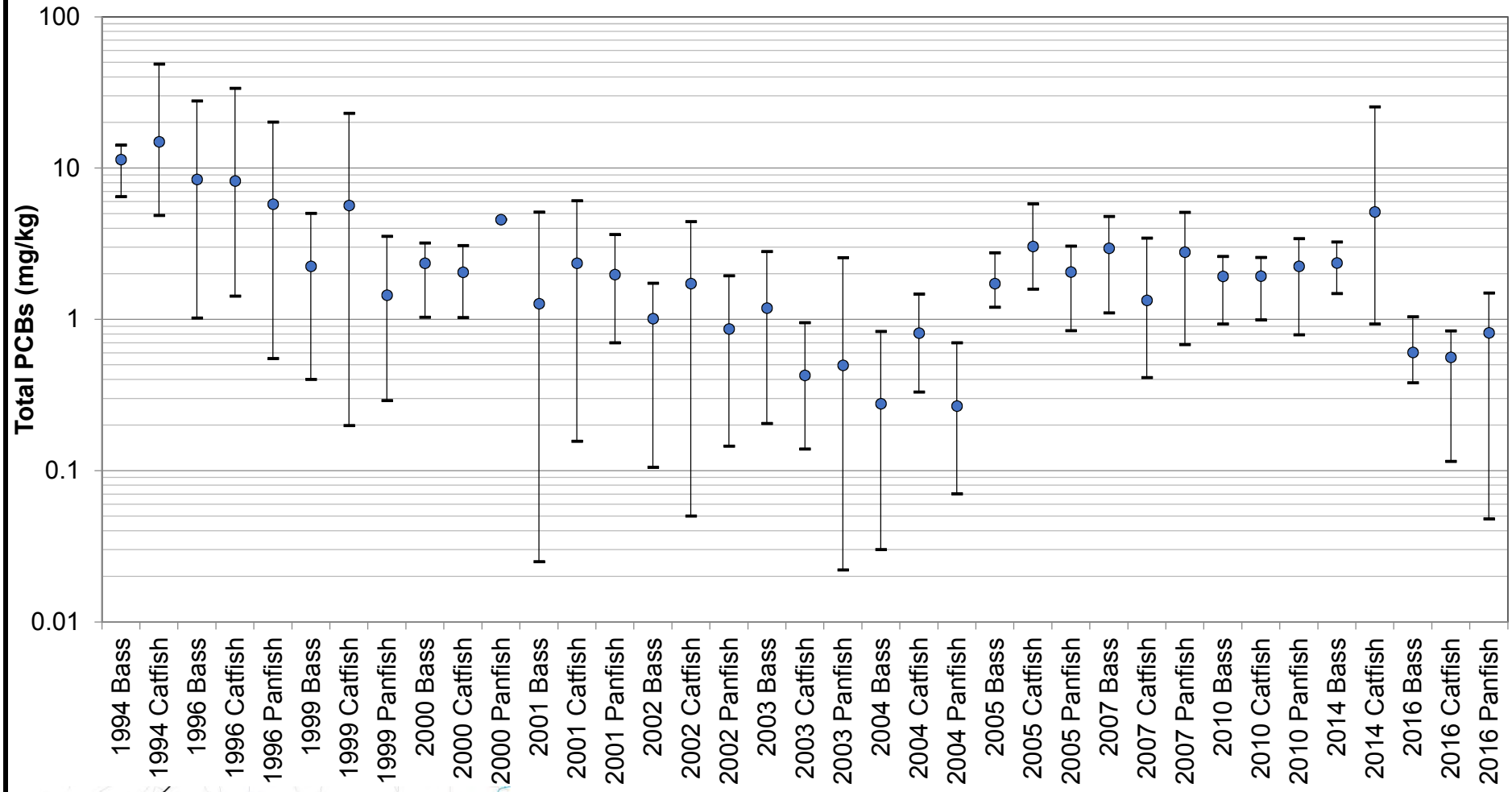
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Average Fish Mercury Concentrations by Location and Species Group

Solutia
Ingenuity Productivity Performance

Figure
4-26





Notes:
1. The graphic presents the range and average PCB concentrations for the year and species indicated at STA-35.
2. These data represent adult fish fillet samples.

mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama

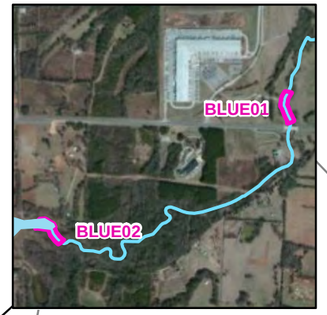
Remedial Investigation Report for OU-4

Fish Tissue PCB Concentrations from 1994 to 2016

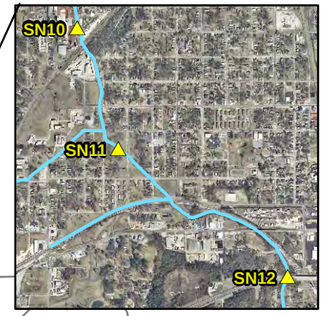
Solutia
Ingenuity Productivity Performance

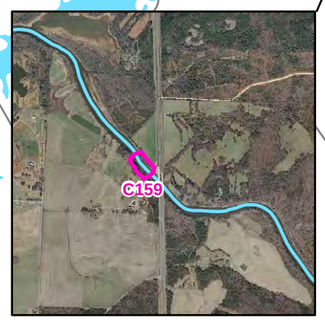
Figure
4-27



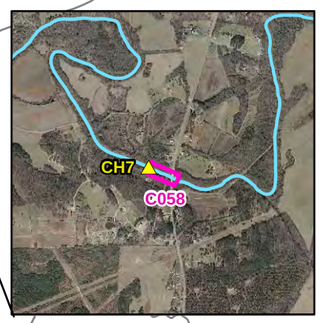


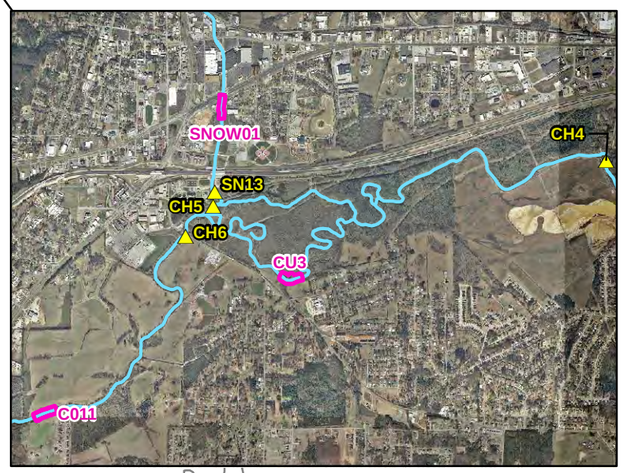












Downstream
OU-4 Boundary

Lake Logan Martin

Blue Eye Creek

Eastaboga Creek

Chedeha Creek

Coldwater Creek

Snow Creek

21

Legend

- Approximate Bayne Study Habitat Assessment Area
- Major Road
- Approximate 1999 Habitat Assessment Area
- Choccolocco Creek
- OU-4 100-Year Floodplain
- OU-3 Boundary
- OU-1/OU-2 Floodplain

0 2 4 Miles
Graphic Scale

Notes:
1. OU: operable unit

2. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

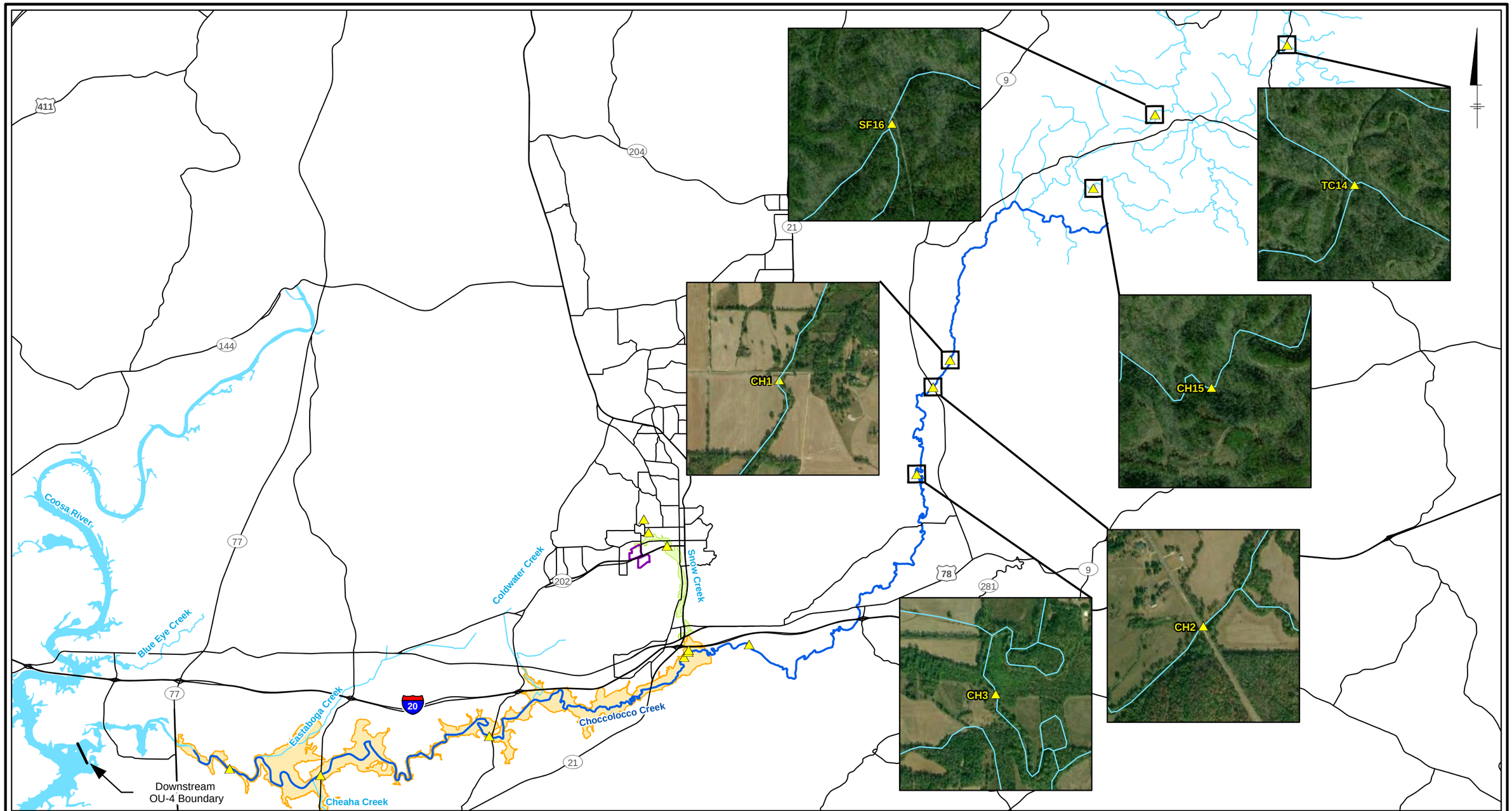
Remedial Investigation Report for OU-4

Bayne and Off-Site RFI Habitat Sampling Locations

Solutia

Figure
4-28a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

- Approximate Bayne Study Habitat Assessment Area
- Choccolocco Creek
- Other Tributaries
- OU-3 Boundary
- OU-1/OU-2 Floodplain
- OU-4 100-Year Floodplain

0 3.25 6.5 Miles
Graphic Scale

Notes:
1. Stations SF16, TC14 and CH15 are reference stations (Bayne 1997a).
2. CH: Choccolocco Creek
   OU: operable unit
   SF: South Fork of Terrapin Creek
   TC: Terrapin Creek
3. Imagery provided by NAIP imagery service licensed through ESRI product software.

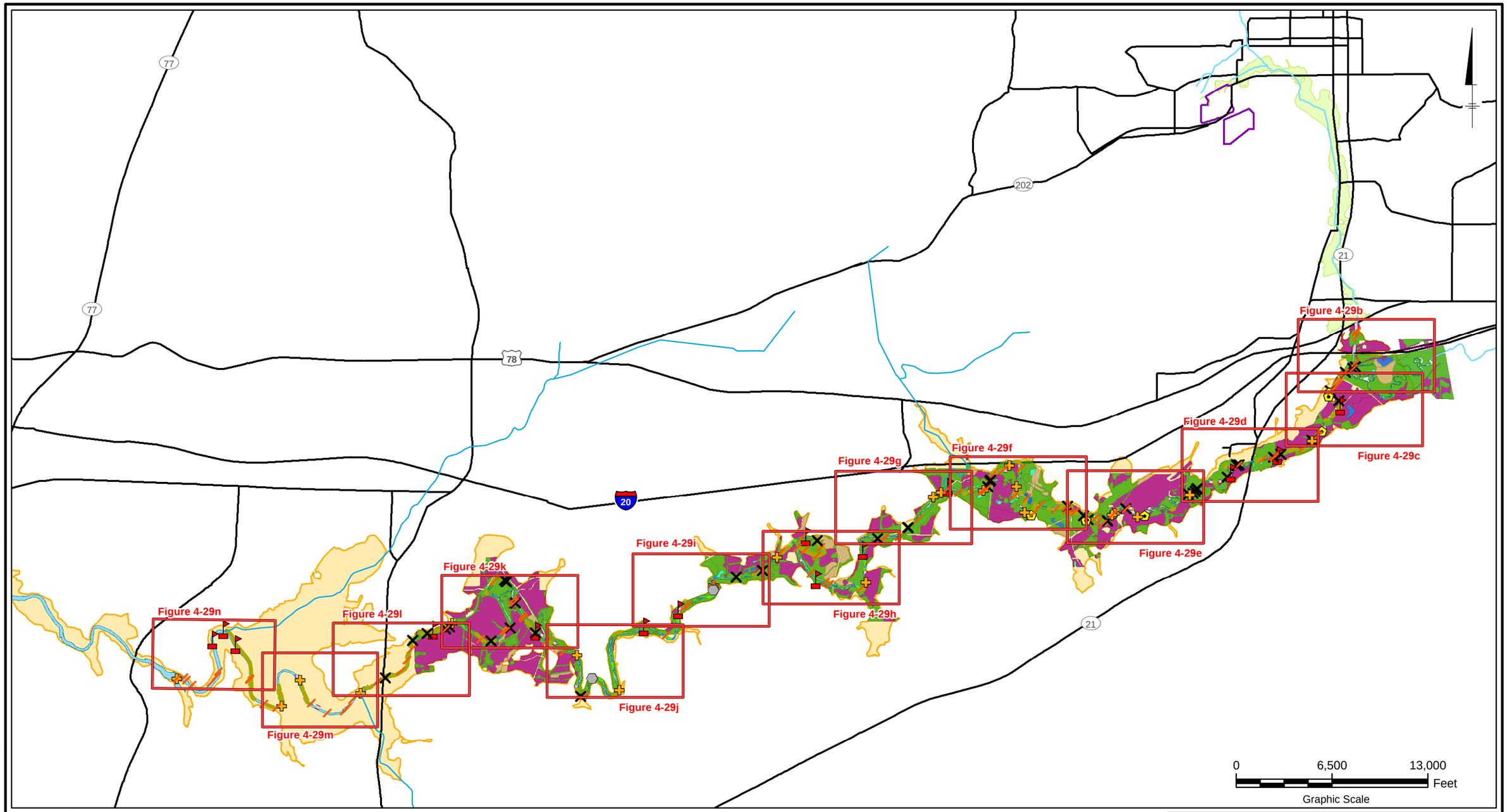
Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Bayne and Off-Site RFI Habitat Sampling Locations

Solutia

Figure
4-28b

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Bank Erosion
- Open Area
- Major Road
- OU-3 Boundary
- OU-1/OU-2 Floodplain
- OU-4 100-Year Floodplain
- Creek
- Deposition - Bank Area
- Submerged Aquatic Vegetation
- Deposition - Island
- Riffle
- Open Water
- Forested Floodplain
- Maintained Field
- Successional Field
- Wetland

Notes:
1. OU: operable unit

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Key for Floodplain and Riparian Habitat Figures

Solutia

Figure
4-29a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Deposition - Bank Area
- Emergent Aquatic Vegetation
- Deposition - Island
- Riffle

2001/2002 Habitat Survey

- Open Water
- Wetland

Forested Floodplain

- A. Inner Forest. Canopy dense, continuous, and closed. Understory and/or herbaceous sparse or absent.
- B. Inner Forest. Canopy sparse, narrow, or open. Understory and/or herbaceous layer common; sometimes dense.
- C. Forest Edge of Fields. Canopy sparse narrow or open. Understory well developed. Includes fencelines.
- D. Forest Edge of Creek Bank. Canopy sparse narrow or open. Understory well developed.

Successional Field

- Early - Herbacous plants dominant with little or no scrub/shrub layer.
- Mid-Late - Scrub/shrub layer well represented; intermixed herb layer; some larger saplings present in islands or singular.

Maintained Field

- A. Dominant land use is as landscaped property, right-of-way, and/or mowed lawn.
- B. Dominant land use is for agriculture/silviculture/hay; no grazing.
- C. Dominant land use is for grazing by livestock or horses.

- 2006/2007 Fish Survey Location
- 2006/2007 Mollusk Survey Location
- 2006/2007 Benthic Macroinvertebrate Survey Location
- 2006/2007 Wildlife[2] and Vegetation Survey Transect
- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

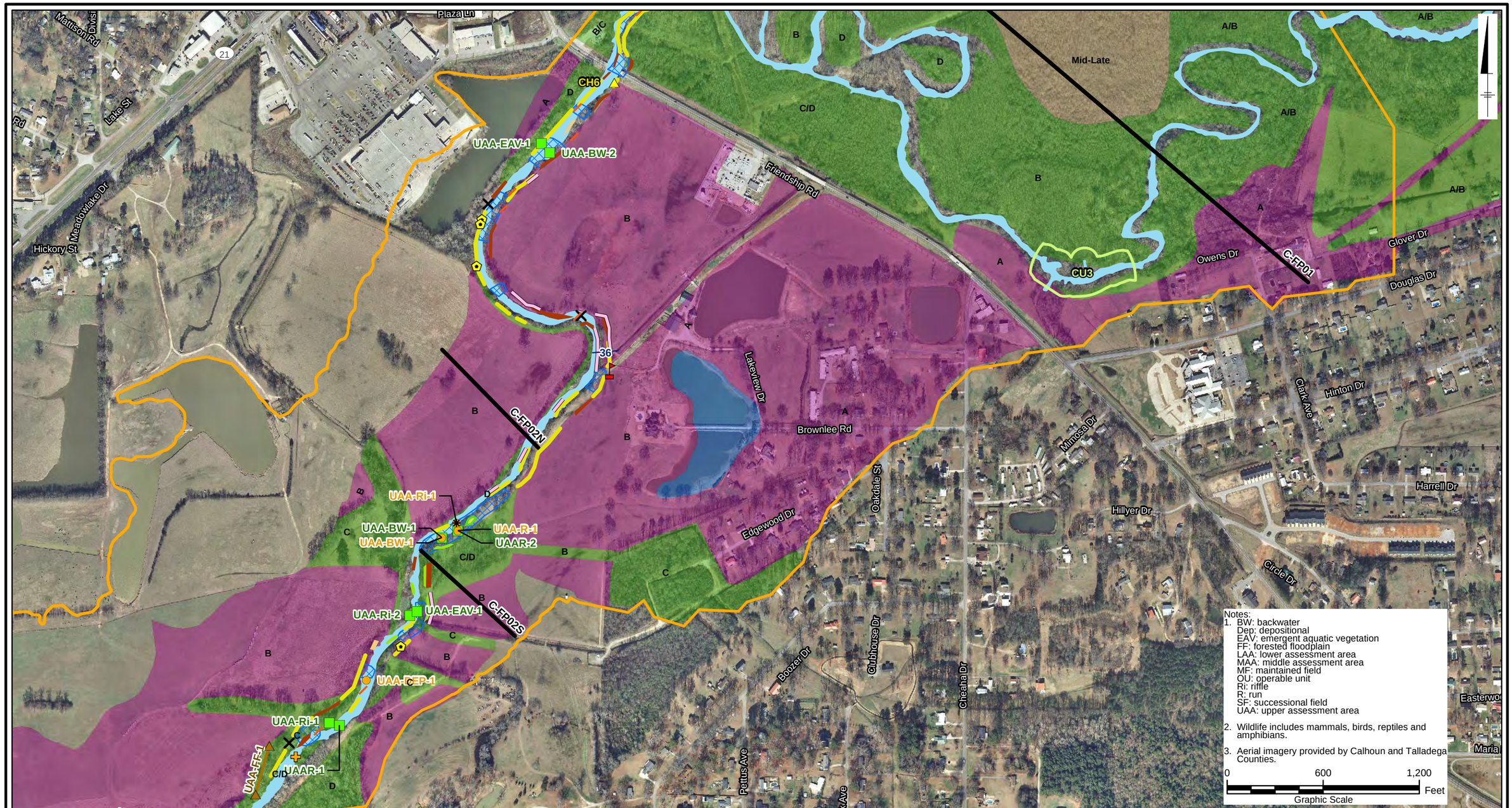
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
4-29b

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Deposition - Bank Area
- Emergent Aquatic Vegetation
- Deposition - Island
- Riffle

2001/2002 Habitat Survey

- Open Water
- Wetland
- Forested Floodplain
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  - D. Forest Edge of Creek Bank. Canopy sparse narrow or open. Understory well developed.
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- 2006/2007 Wildlife[2] and Vegetation Survey Transect
- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

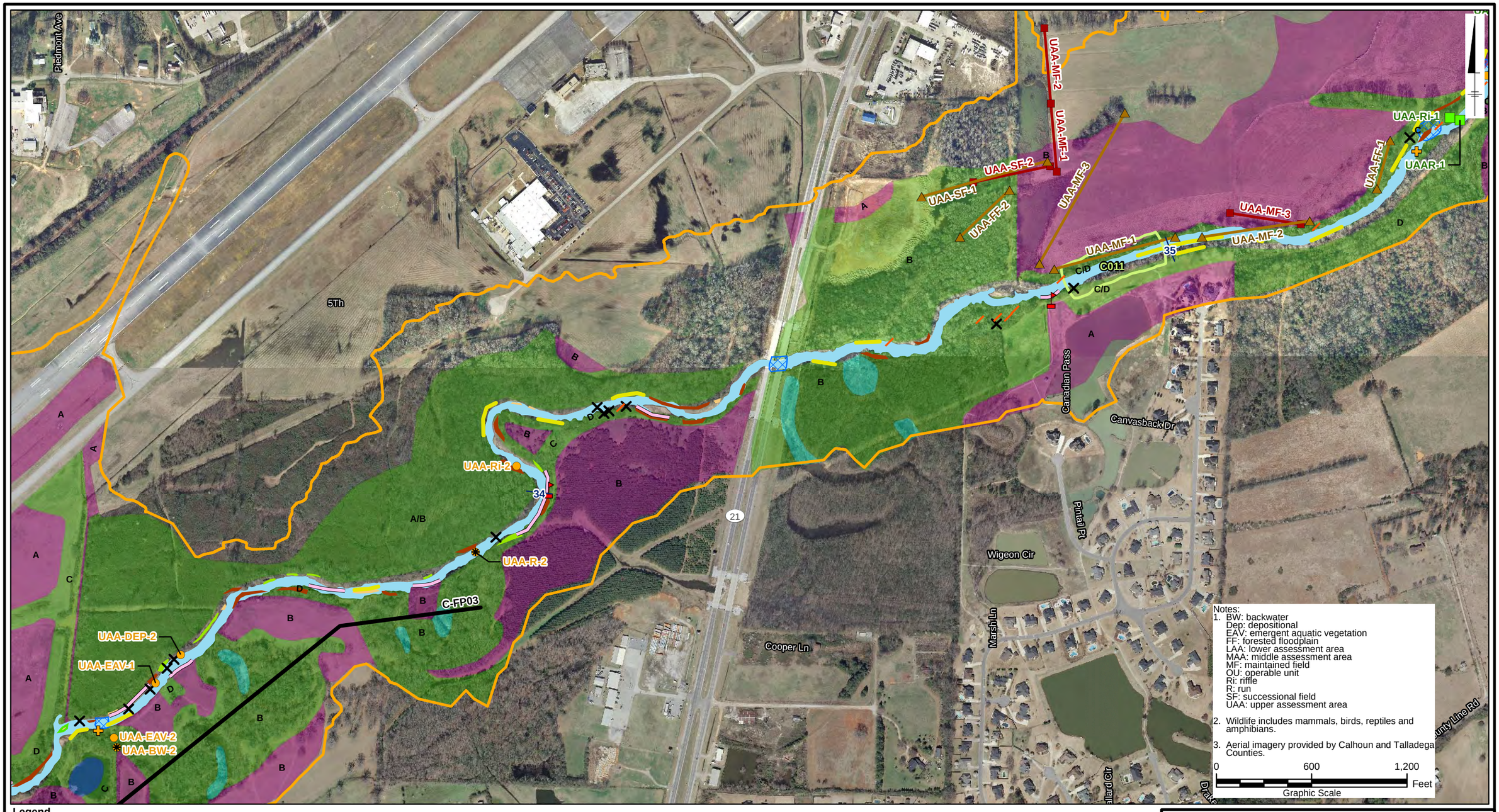
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
4-29c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Notes:
1. BW: backwater
   Dep: depositional
   EAV: emergent aquatic vegetation
   FF: forested floodplain
   LAA: lower assessment area
   MAA: middle assessment area
   MF: maintained field
   OU: operable unit
   RI: riffle
   R: run
   SF: successional field
   UAA: upper assessment area
2. Wildlife includes mammals, birds, reptiles and amphibians.
3. Aerial imagery provided by Calhoun and Talladega Counties.

0 600 1,200 Feet
Graphic Scale

Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Deposition - Bank Area
- Emergent Aquatic Vegetation
- Deposition - Island
- Riffle

2001/2002 Habitat Survey

- Open Water
- Wetland
- Forested Floodplain
  - A. Inner Forest. Canopy dense, continuous, and closed. Understory and/or herbaceous sparse or absent.
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- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

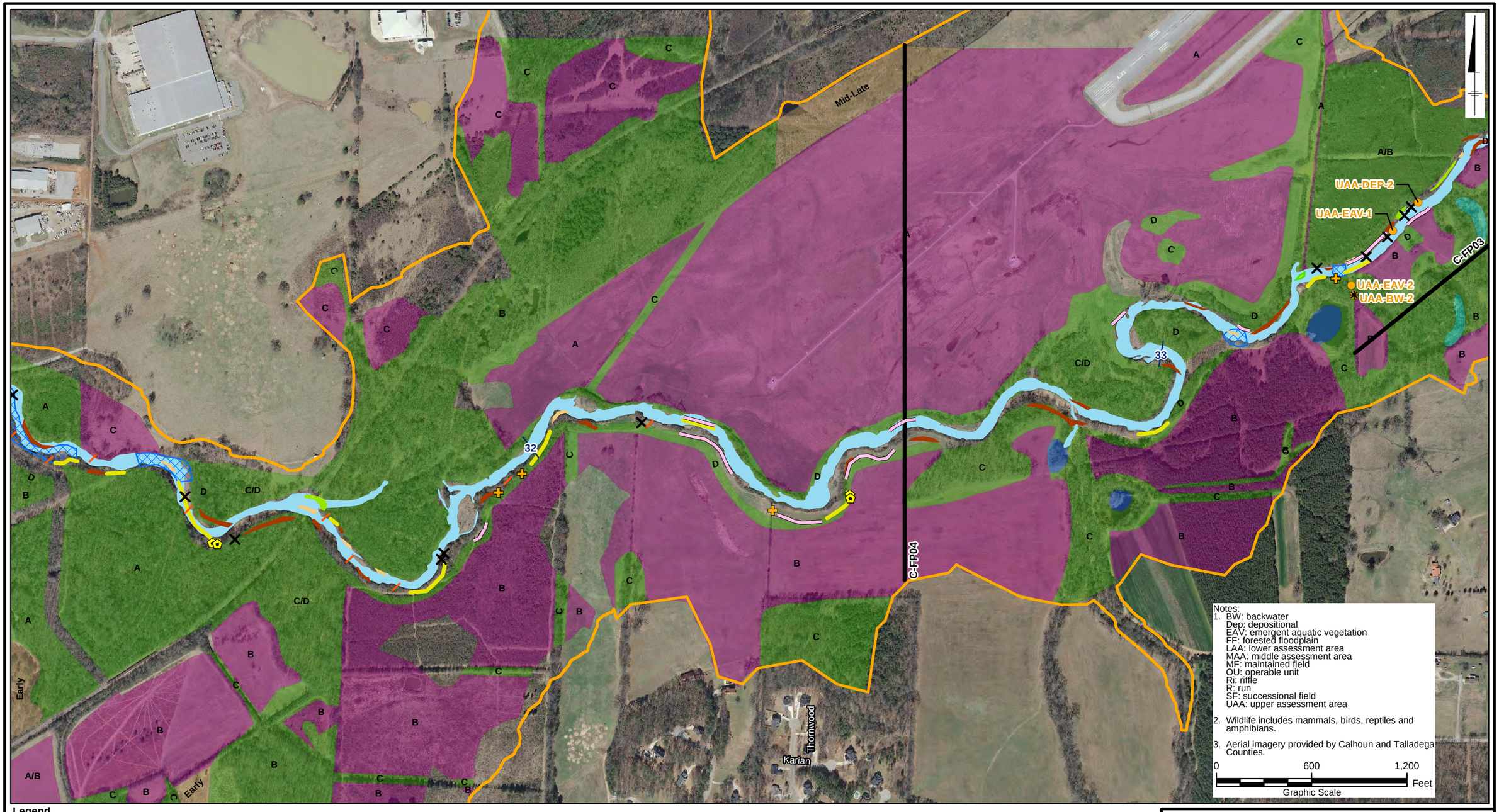
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
4-29d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Deposition - Bank Area
- Emergent Aquatic Vegetation
- Deposition - Island
- Riffle

2001/2002 Habitat Survey

- Open Water
- Wetland

Forested Floodplain

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- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

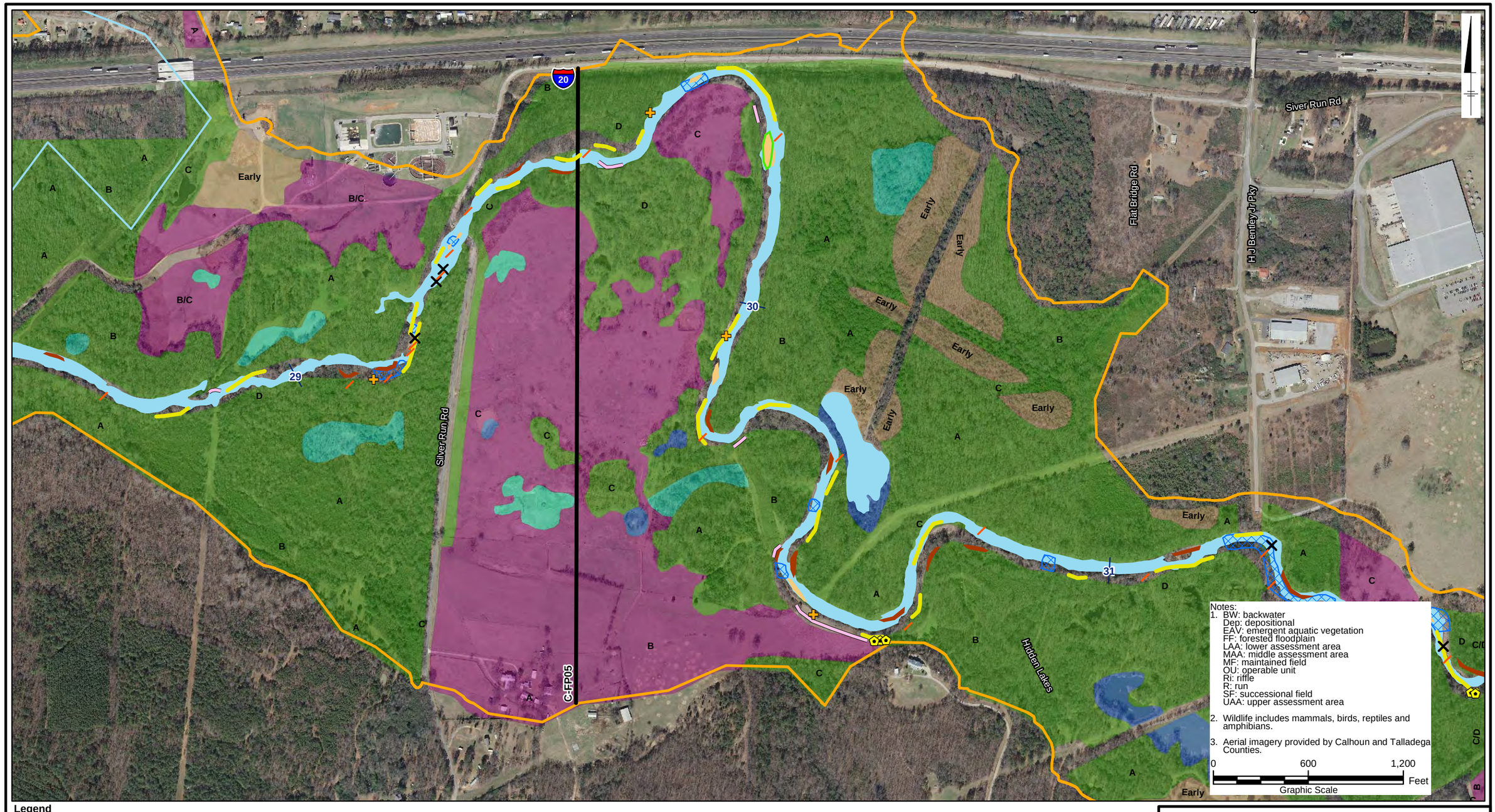
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
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City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Deposition - Bank Area
- Emergent Aquatic Vegetation
- Deposition - Island
- Riffle

2001/2002 Habitat Survey

- Open Water
- Wetland

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- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

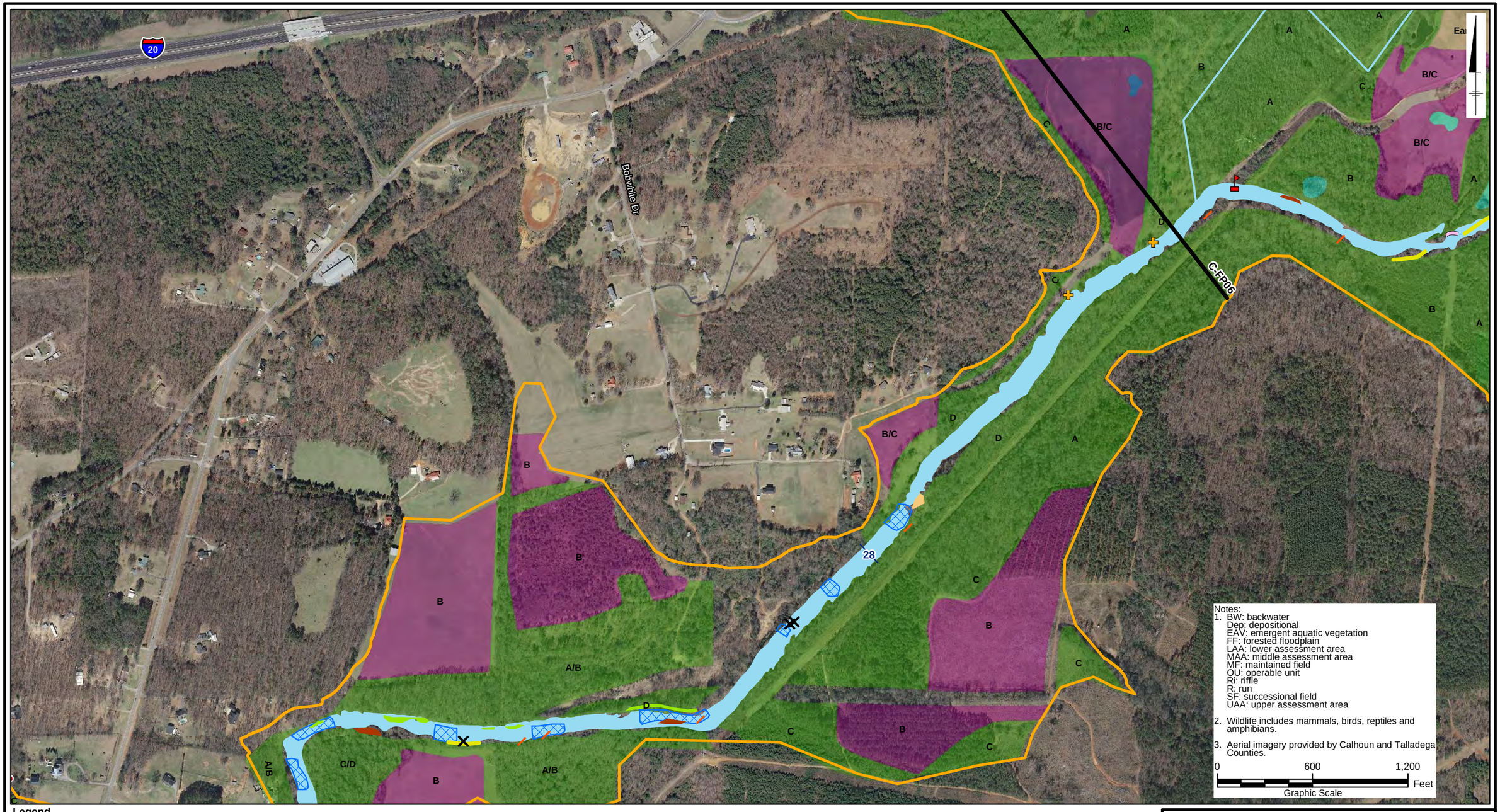
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure 4-29f

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Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
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- Deposition - Bank Area
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- Riffle

2001/2002 Habitat Survey

- Open Water
- Wetland

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- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

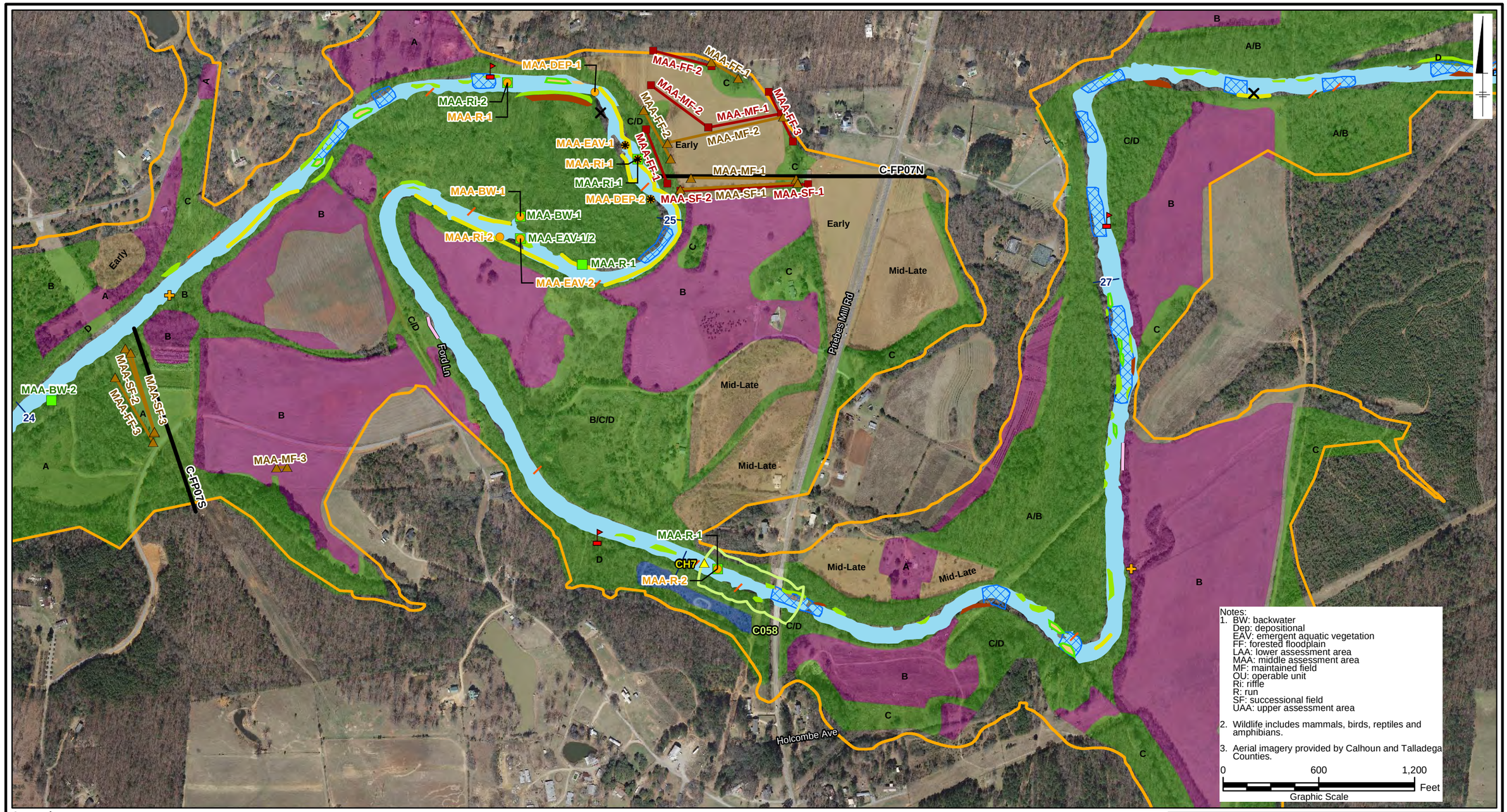
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
4-29g

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Notes:
1. BW: backwater
   Dep: depositional
   EAV: emergent aquatic vegetation
   FF: forested floodplain
   LAA: lower assessment area
   MAA: middle assessment area
   MF: maintained field
   OU: operable unit
   Ri: riffle
   R: run
   SF: successional field
   UAA: upper assessment area
2. Wildlife includes mammals, birds, reptiles and amphibians.
3. Aerial imagery provided by Calhoun and Talladega Counties.

0 600 1,200 Feet
Graphic Scale

Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
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- Deadfall
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- Snag
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- Deposition - Bank Area
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- Deposition - Island
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- 2001/2002 Habitat Survey
- Open Water
- Wetland
- Forested Floodplain
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- Successional Field
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- Maintained Field
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- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

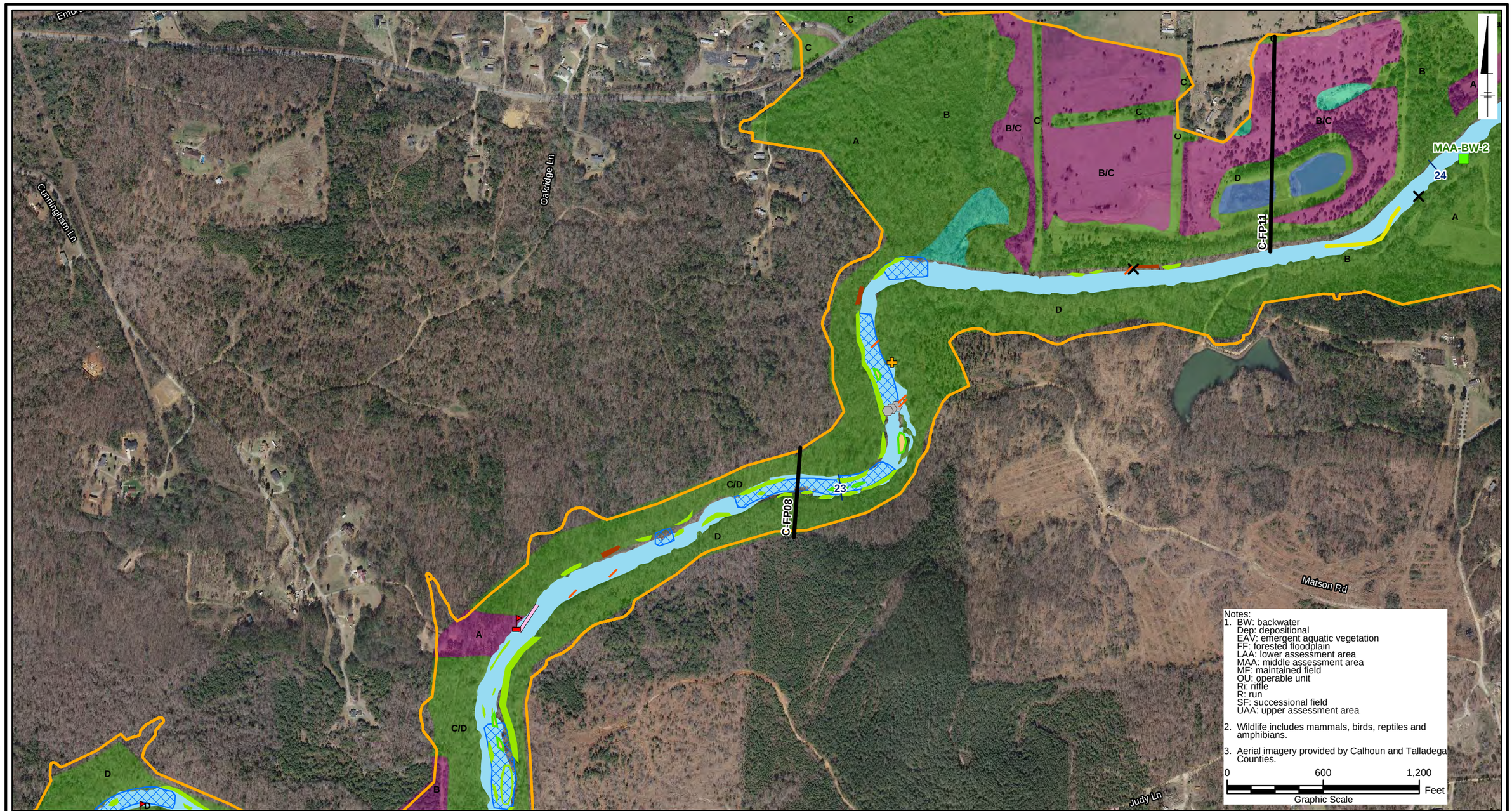
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
4-29h

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Notes:
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   SF: successional field
   UAA: upper assessment area
2. Wildlife includes mammals, birds, reptiles and amphibians.
3. Aerial imagery provided by Calhoun and Talladega Counties.

0 600 1,200 Feet
Graphic Scale

Legend

- Approximate Bayne Study Habitat Assessment Area
- Approximate 1999 Habitat Assessment Area
- 2001/2002 Floodplain Transect
- Bank Erosion
- Open Area
- Human Use Area
- Riprap
- Deadfall
- Tributary Confluence
- Snag
- Boulder
- Deposition - Bank Area
- Emergent Aquatic Vegetation
- Deposition - Island
- Riffle
- 2001/2002 Habitat Survey
- Open Water
- Wetland
- Forested Floodplain
  - A. Inner Forest. Canopy dense, continuous, and closed. Understory and/or herbaceous sparse or absent.
  - B. Inner Forest. Canopy sparse, narrow, or open. Understory and/or herbaceous layer common; sometimes dense.
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- 2006/2007 Wildlife[2] and Vegetation Survey Transect
- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

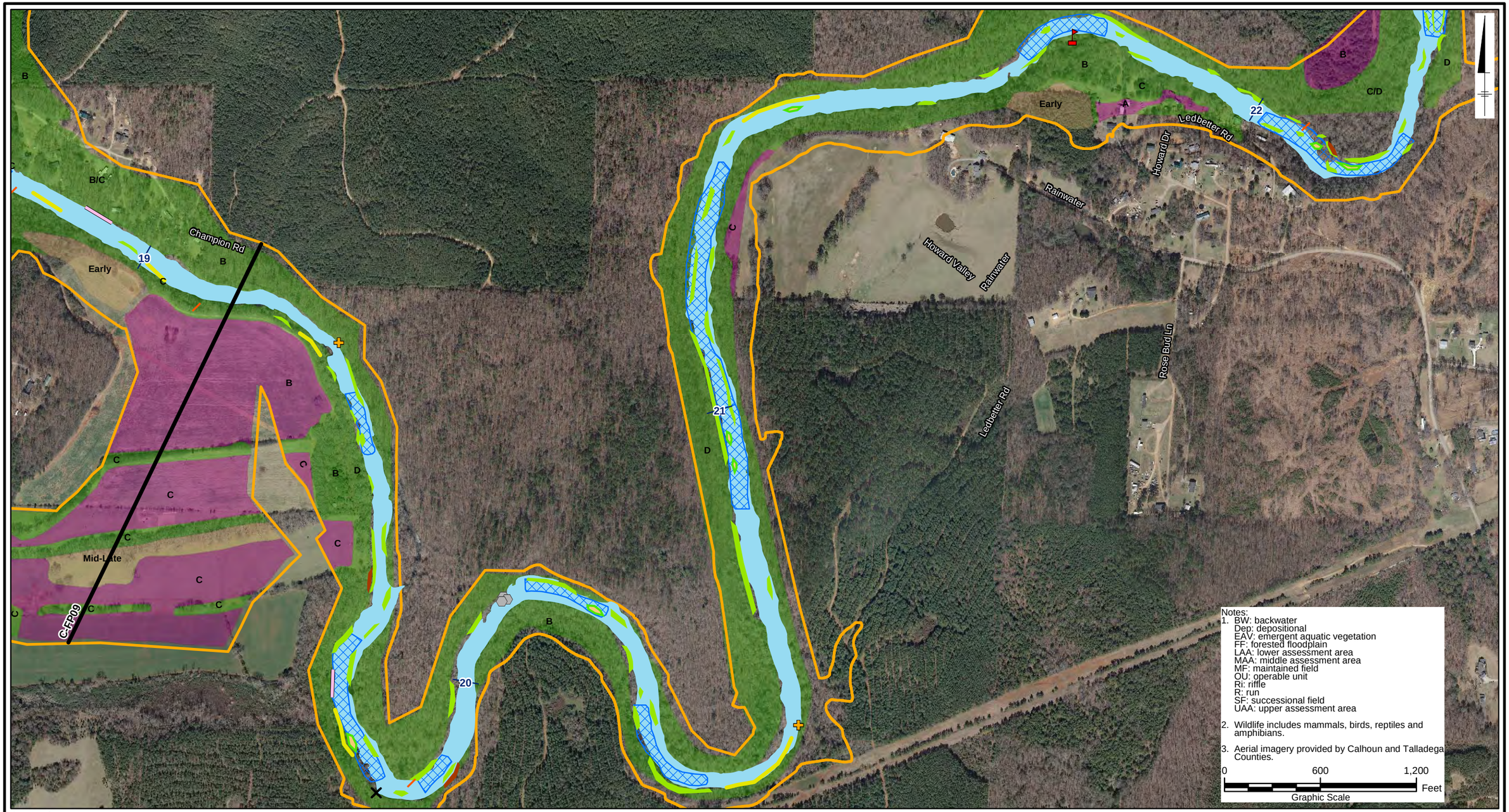
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
4-29i

City: SYR Dw/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

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2001/2002 Habitat Survey

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- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

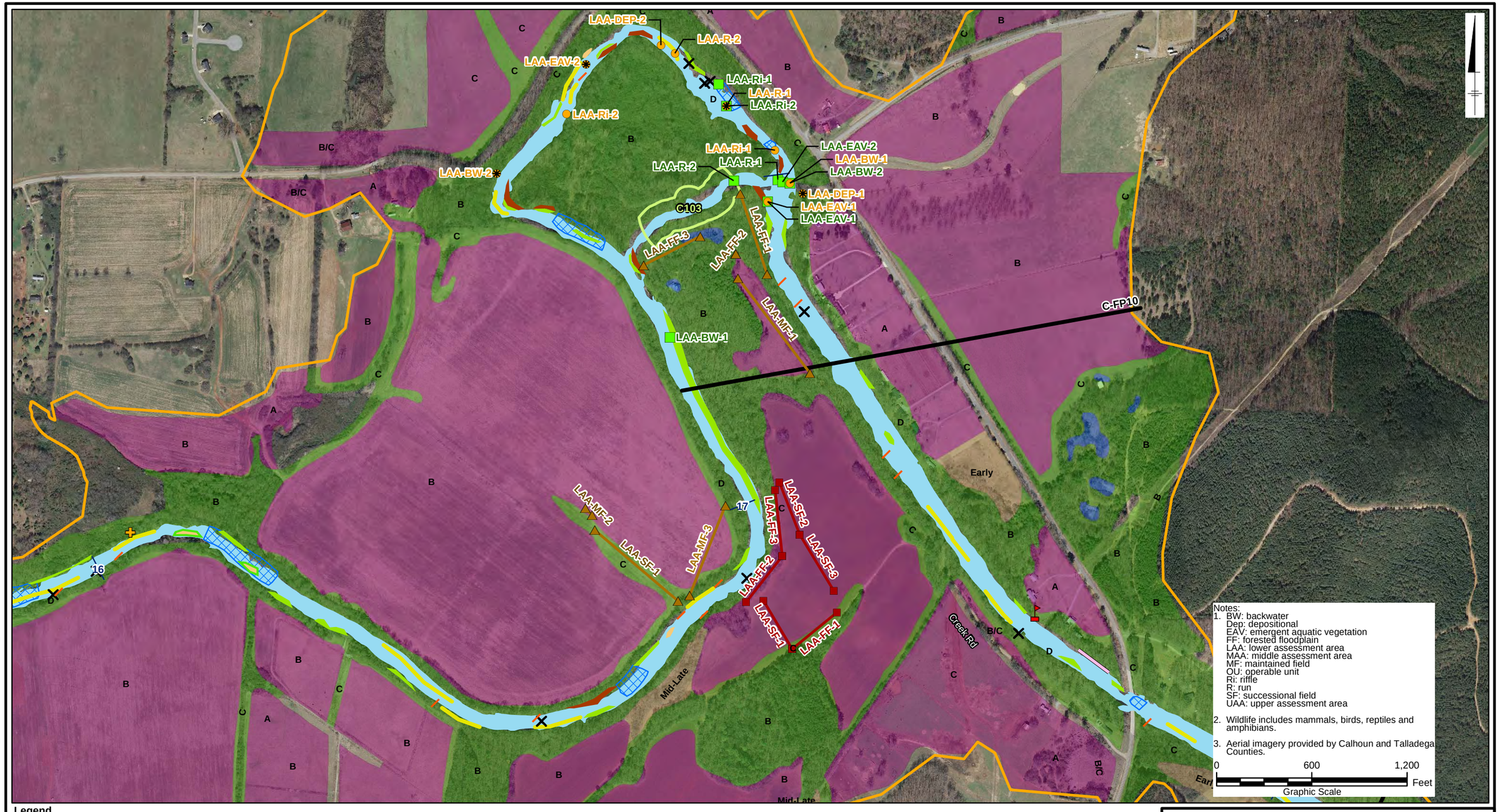
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure 4-29j

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Legend

- Approximate Bayne Study Habitat Assessment Area
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- Bank Erosion
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2001/2002 Habitat Survey

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Anniston PCB Site
Anniston, Alabama

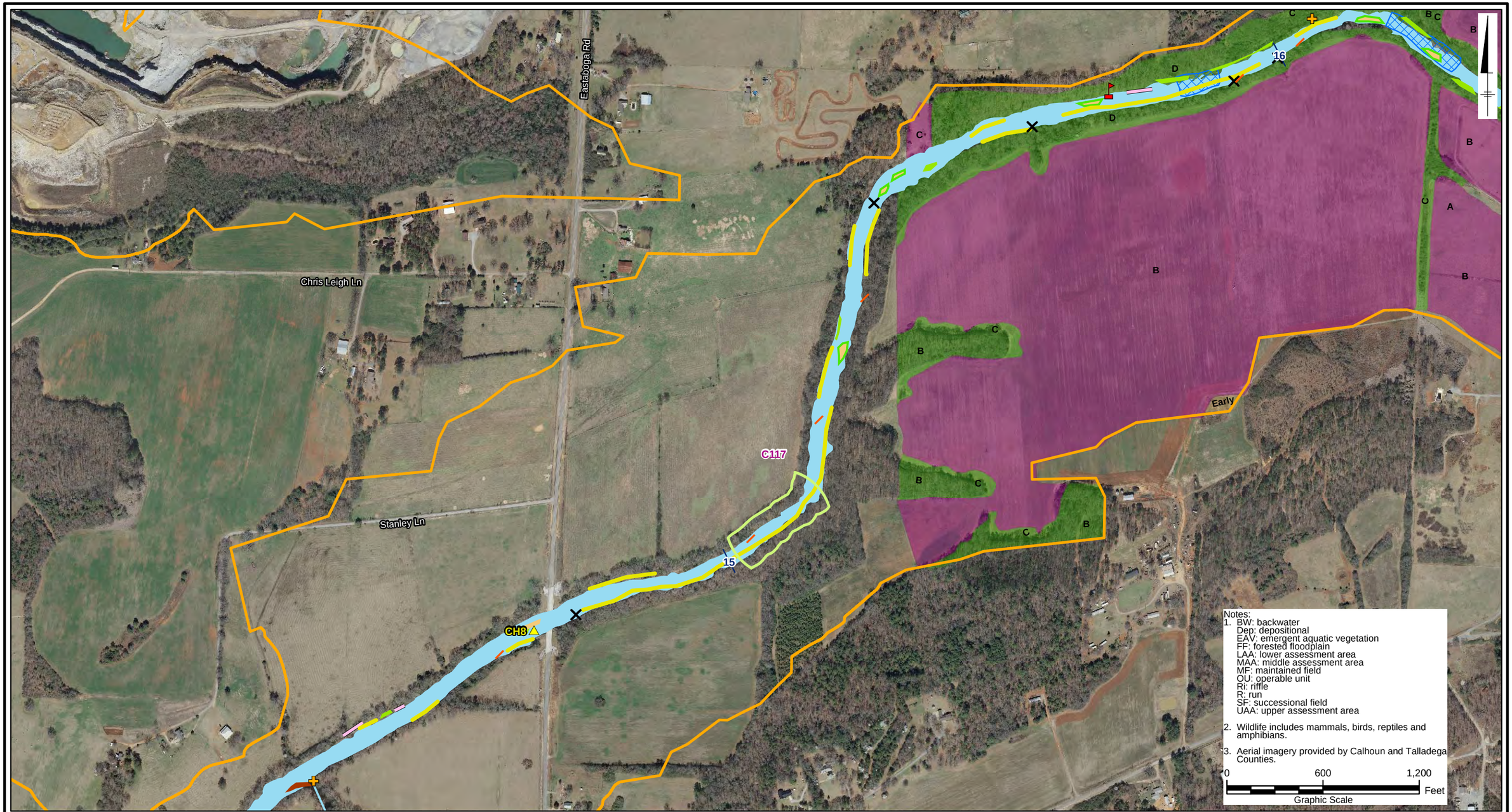
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
4-29k

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Legend

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Anniston PCB Site
Anniston, Alabama

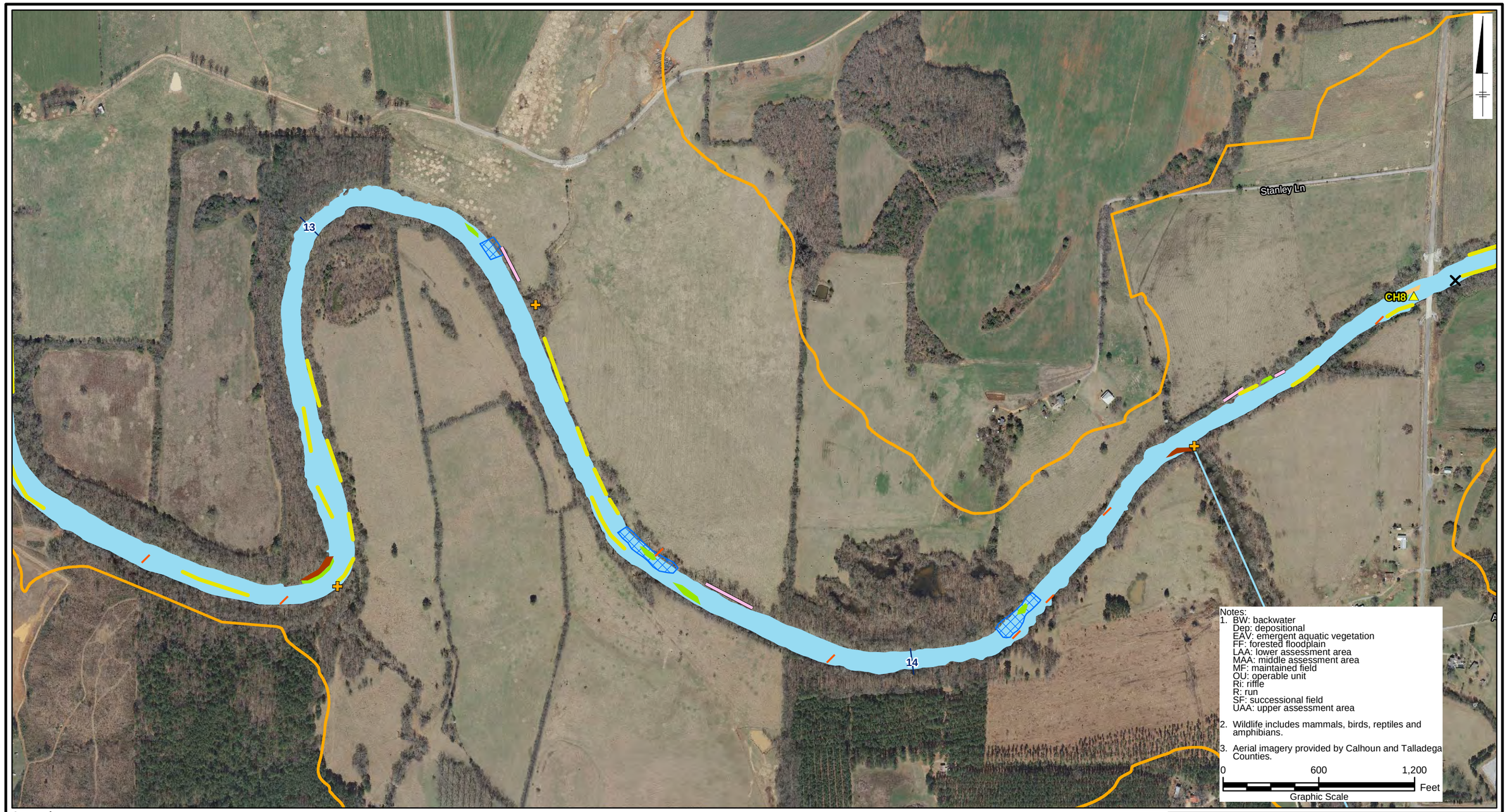
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
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Legend

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Anniston PCB Site
Anniston, Alabama

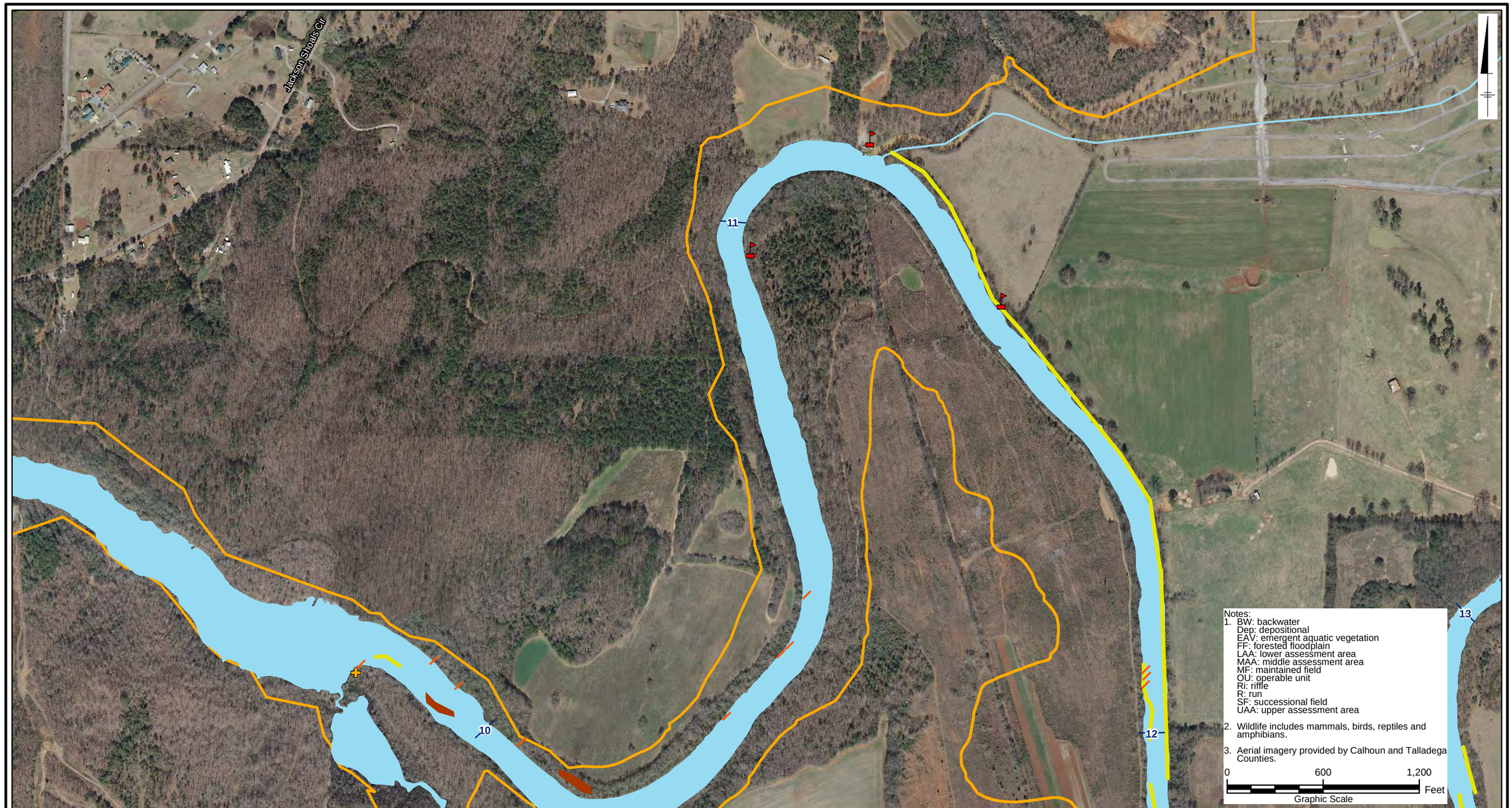
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

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Figure
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Legend

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2001/2002 Habitat Survey

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- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- Choccolocco Creek
- OU-4 100-Year Floodplain

Anniston PCB Site
Anniston, Alabama

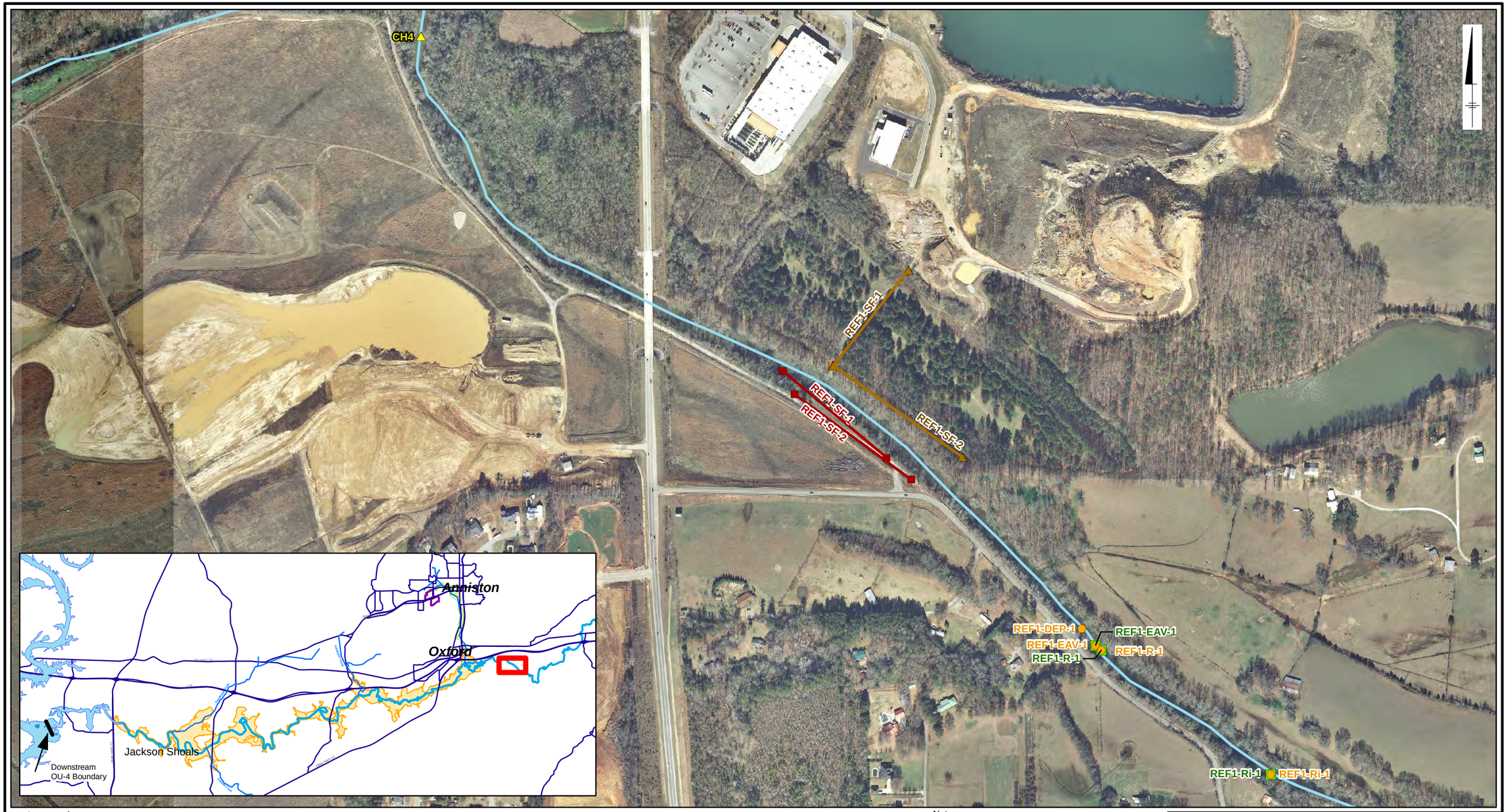
Remedial Investigation Report for OU-4

OU-4 Floodplain and Riparian Habitat

Solutia

Figure
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City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

- Approximate Bayne Study Habitat Assessment Area
- 2006/2007 Benthic Macroinvertebrate Survey Location
- 2006/2007 Fish Survey Location
- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- 2006/2007 Wildlife[2] and Vegetation Survey Transect
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 450 900 Feet

Graphic Scale

Notes:
1. Dep: depositional
   EAV: emergent aquatic vegetation
   OU: operable unit
   Ri: riffle
   R: run
   Ref: reference area
   SF: succession field
2. Wildlife includes mammals, birds, reptiles and amphibians.
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

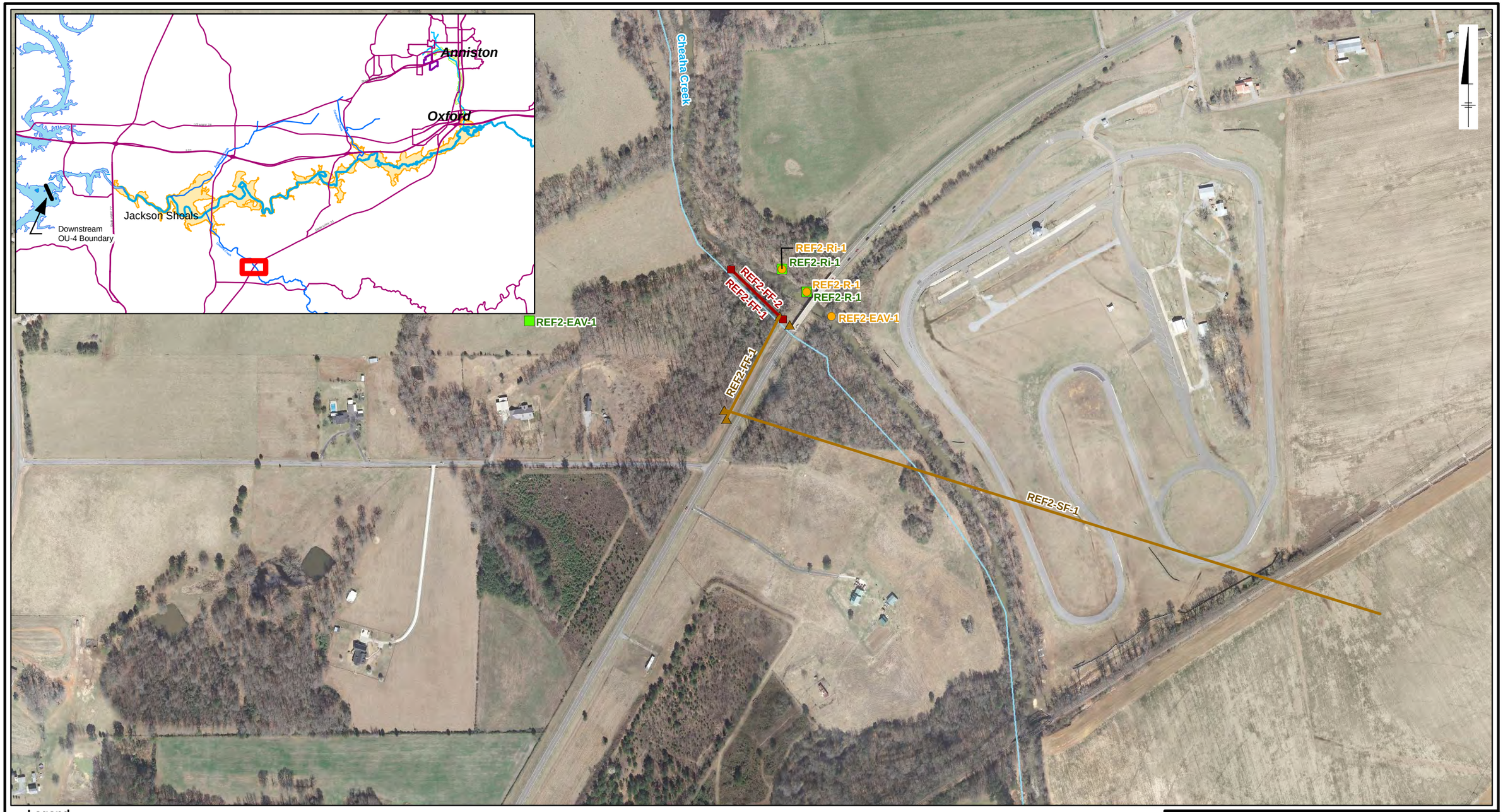
Remedial Investigation Report for OU-4

Reference Area 1
Ecological Sampling Locations

Solutia

Figure
4-30a

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Legend

- 2006/2007 Benthic Macroinvertebrate Survey Location
- 2006/2007 Fish Survey Location
- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- 2006/2007 Wildlife[2] and Vegetation Survey Transect
- OU-4 100-Year Floodplain

0 400 800 Feet

Graphic Scale

Notes:
1. EAV: emergent aquatic vegetation
   FF: forested floodplain
   OU: operable unit
   Ri: riffle
   R: run
   Ref: reference area
   SF: succession field
2. Wildlife includes mammals, birds, reptiles and amphibians.
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

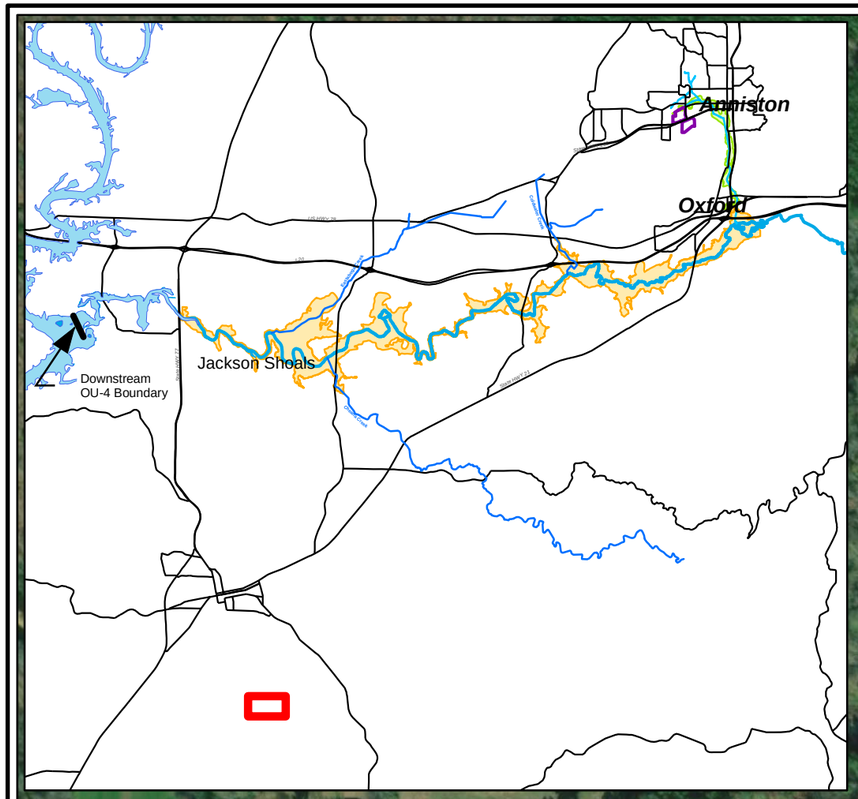
Remedial Investigation Report for OU-4

Reference Area 2
Ecological Sampling Locations

Solutia

Figure
4-30b

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Legend

- 2006/2007 Benthic Macroinvertebrate Survey Location
- 2006/2007 Wildlife[2] and Vegetation Survey Transect
- 2006/2007 Small Mammal and Soil Macroinvertebrate Survey Location
- OU-4 100-Year Floodplain

0 400 800 Feet

Graphic Scale

Notes:

1. BW: backwater
   Dep: depositional
   EAV: emergent aquatic vegetation
   FF: forested floodplain
   MF: maintained field
   OU: operable unit
   R: run
   Ref: reference area
   SF: succession field
2. Wildlife includes mammals, birds, reptiles and amphibians.
3. Imagery provided by NAIP imagery service licensed through ESRI product software.

Anniston PCB Site
Anniston, Alabama

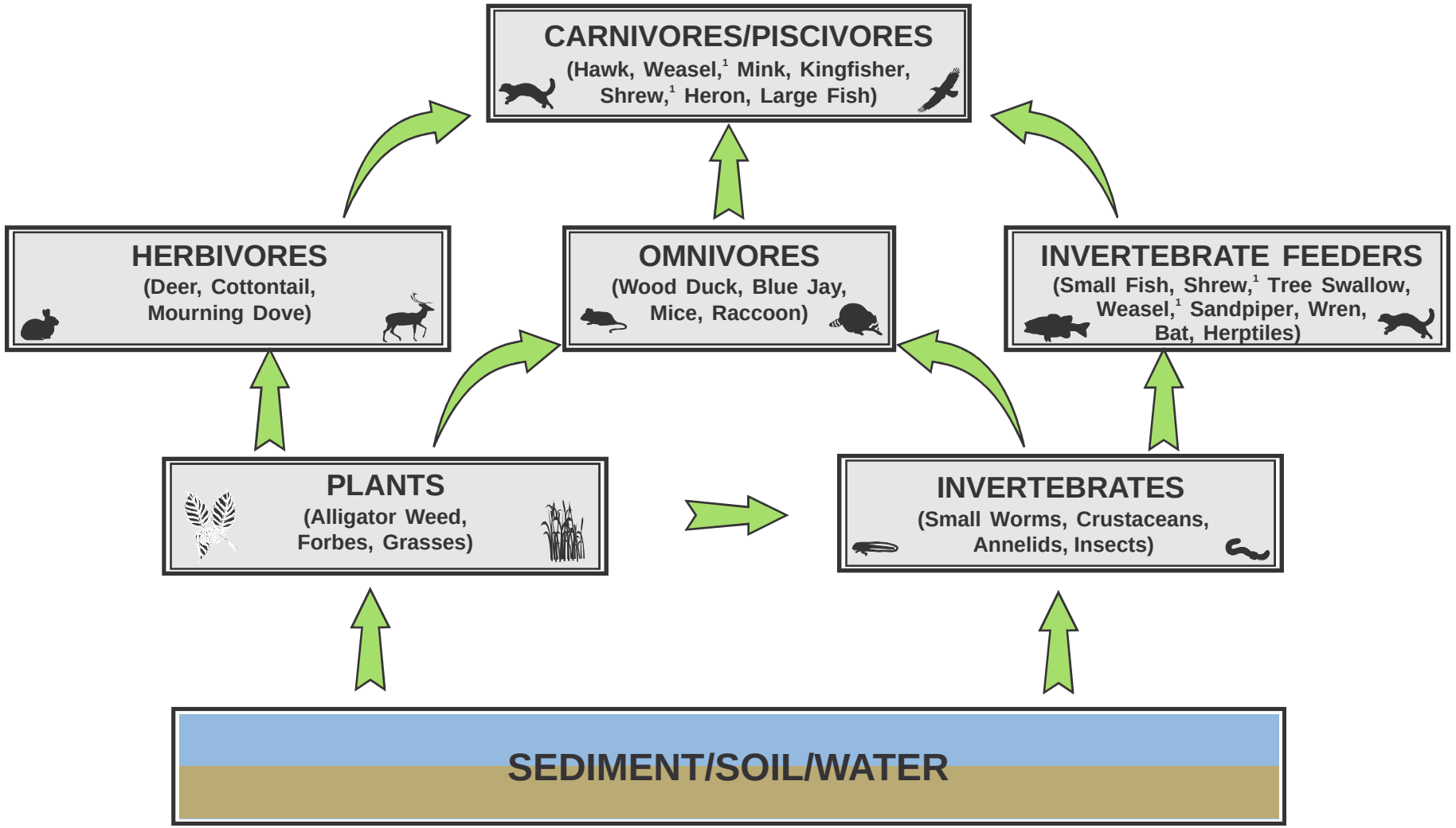
Remedial Investigation Report for OU-4

Reference Area 3
Ecological Sampling Locations

Solutia

Figure
4-30c

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Note:
[1] Weasels and shrews have diets that consist of both small mammals and terrestrial invertebrate prey; therefore, they are considered carnivorous/invertivorous feeding mammals.

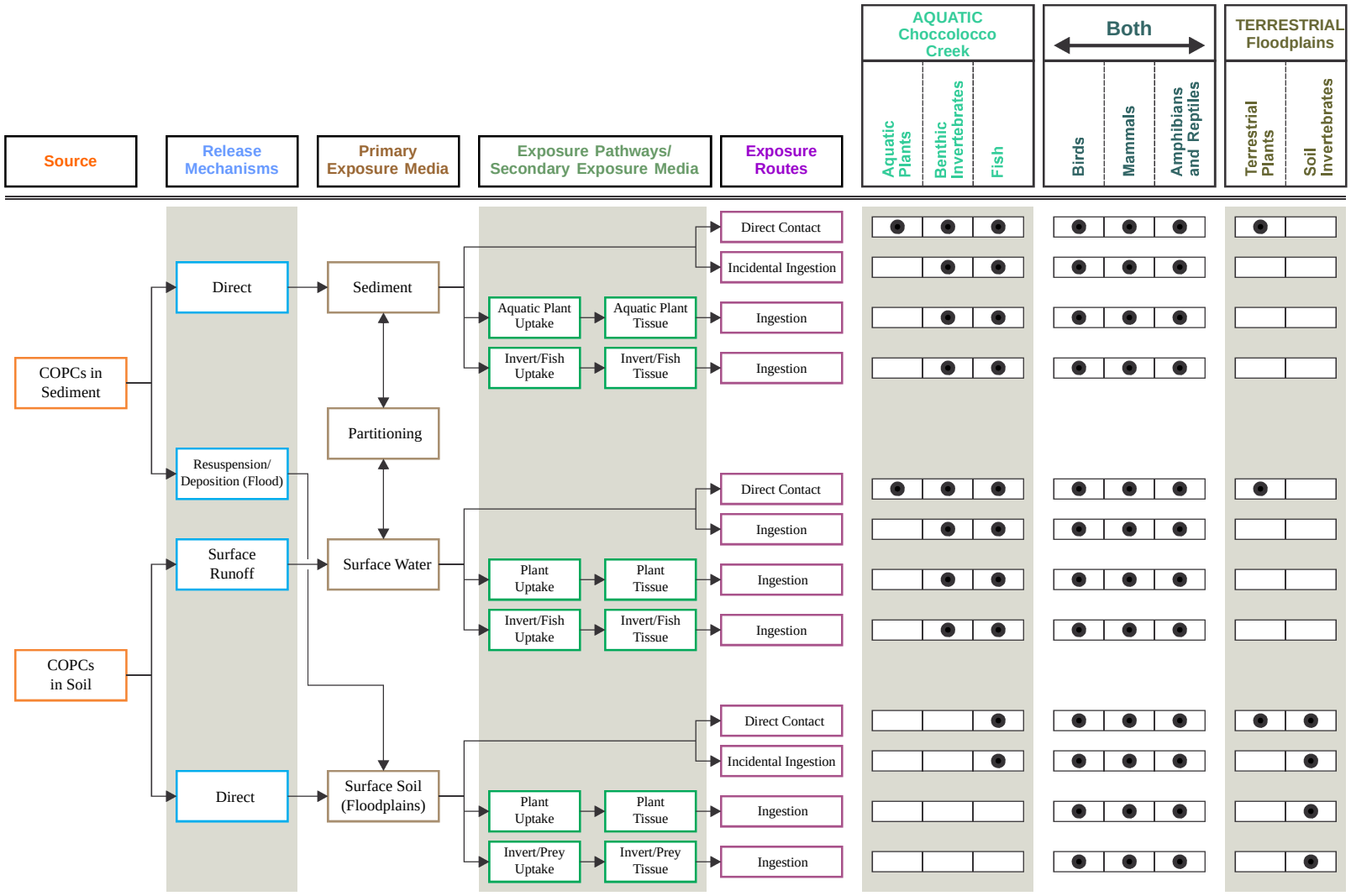
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Ecological Receptor Food Web

Solutia

Figure 4-31



● Potentially complete exposure pathway. Pathway expected to be quantitatively evaluated if found to be significant.

Incomplete exposure pathway.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Ecological Conceptual Site Model

Solutia

Figure 4-32



Legend

OU-4 Ecological Surface Sediment Sample Location [1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

OU-4 Ecological Surface Soil Sample Location [1]

Maximum PCB Result

- < 1
- ≥1- <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

Other Surface Sediment Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

Other Surface Soil Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling
- Creek

0 500 1,000 Feet

Graphic Scale

Note:
1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

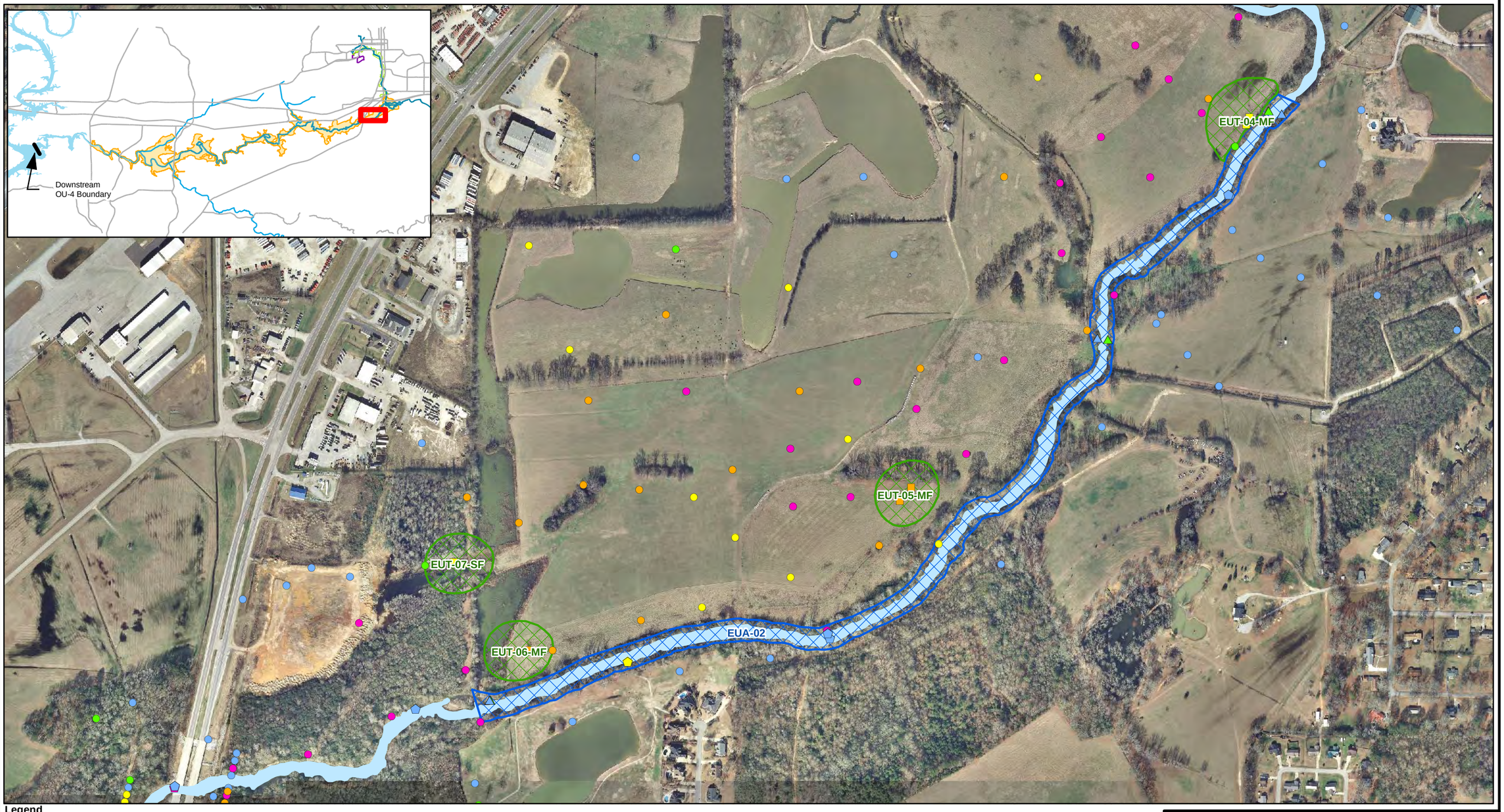
Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Upper Assessment Area
EUA-01, EUT-01, EUT-02, and EUT-03

Solutia

Figure 4-33a

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Legend

OU-4 Ecological Surface Sediment Sample Location [1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

OU-4 Ecological Surface Soil Sample Location [1]

Maximum PCB Result

- < 1
- ≥1- <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

Other Surface Sediment Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

Other Surface Soil Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling
- Creek

0 500 1,000 Feet

Graphic Scale

Note:
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Anniston PCB Site
Anniston, Alabama

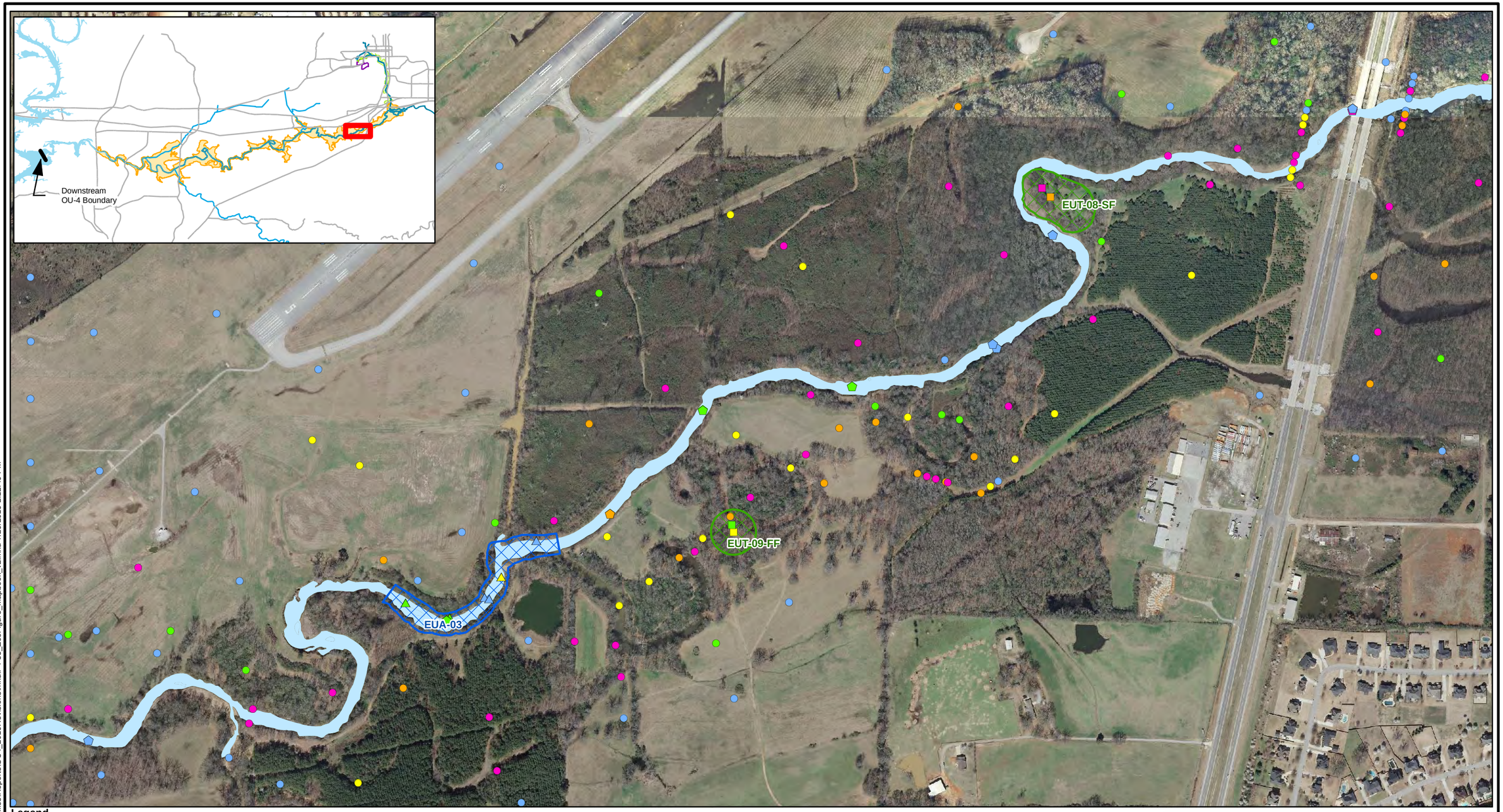
Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Upper Assessment Area
EUA-02, EUT-04, EUT-05, EUT-06, and EUT-07

Solutia

Figure
4-33b

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

OU-4 Ecological Surface Sediment Sample Location [1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

OU-4 Ecological Surface Soil Sample Location [1]

Maximum PCB Result

- < 1
- ≥1- <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

Other Surface Sediment Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

Other Surface Soil Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling
- Creek

0 500 1,000 Feet

Graphic Scale

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Anniston PCB Site
Anniston, Alabama

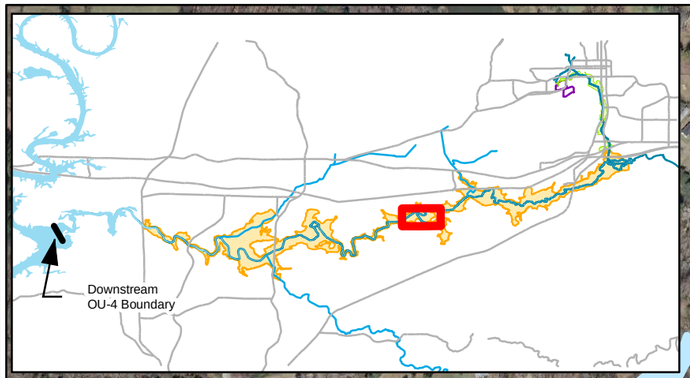
Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Upper Assessment Area
EUA-03, EUT-08, and EUT-09

Solutia

Figure
4-33c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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EMT-06-SF
EMT-07-FF
EMT-05-FF
EMA-03
EMA-02
EMT-04-MF
EMT-02-MF
EMT-08-FF
EMT-03-MF
EMT-01-SF
EMA-01

Legend

OU-4 Ecological Surface Sediment Sample Location [1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

OU-4 Ecological Surface Soil Sample Location [1]

Maximum PCB Result

- < 1
- ≥1- <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

Other Surface Sediment Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

Other Surface Soil Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling
- Creek

0 500 1,000 Feet

Graphic Scale

Note:
1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

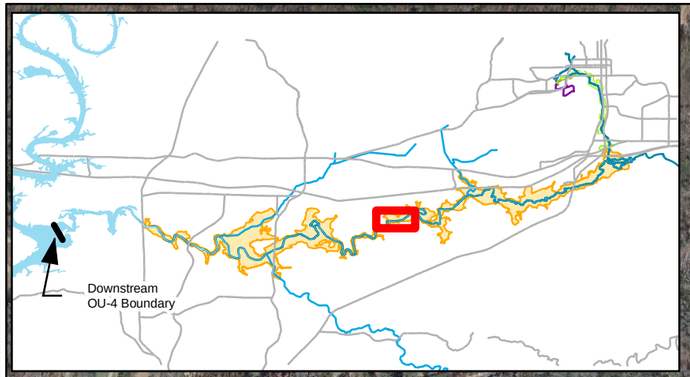
Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Middle Assessment Area
EMA-01, EMA-02, EMA-03, EMT-01, EMT-02, EMT-03, EMT-04, EMT-05, EMT-06, EMT-07, and EMT-08

Solutia

Figure
4-33d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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EMA-03

EMT-08-FF

EMT-09-SF

Legend

OU-4 Ecological Surface Sediment Sample Location [1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

OU-4 Ecological Surface Soil Sample Location [1]

Maximum PCB Result

- < 1
- ≥1- <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

Other Surface Sediment Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

Other Surface Soil Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling
- Creek

0 500 1,000 Feet

Graphic Scale

Note:
1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

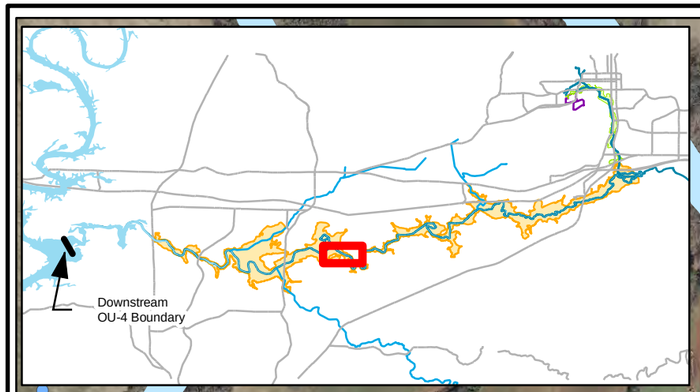
Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Middle Assessment Area
EMT-09, EMA-03, and EMT-08

Solutia

Figure 4-33e

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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ELA-01

ELT-02-SF

ELT-01-SF

Legend

OU-4 Ecological Surface Sediment Sample Location [1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

OU-4 Ecological Surface Soil Sample Location [1]

Maximum PCB Result

- < 1
- ≥1- <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

Other Surface Sediment Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

Other Surface Soil Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling
- Creek

0 500 1,000 Feet

Graphic Scale

Note:
1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

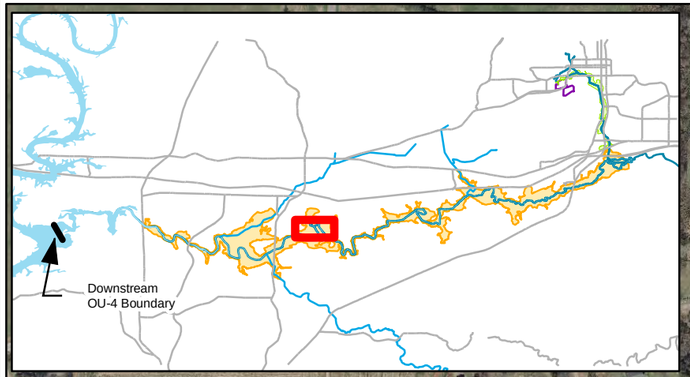
Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Lower Assessment Area
ELA-01, ELT-01, and ELT-02

Solutia

Figure
4-33f

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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ELA-02
ELA-03
ELT-06-FF
ELT-05-FF
ELT-04-SF
ELT-07-FF
ELT-03-MF
ELT-08-MF
ELT-09-MF

Legend

OU-4 Ecological Surface Sediment Sample Location [1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

OU-4 Ecological Surface Soil Sample Location [1]

Maximum PCB Result

- < 1
- ≥1- <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

Other Surface Sediment Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 - <5
- ≥5 - <10
- ≥ 10

Other Surface Soil Sample Location[1]

Maximum PCB Result

- < 1
- ≥1 - <2
- ≥2 -<5
- ≥5 - <10
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling
- Creek

0 500 1,000 Feet

Graphic Scale

Note:
1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Aerial imagery provided by Calhoun and Talladega Counties.

Anniston PCB Site
Anniston, Alabama

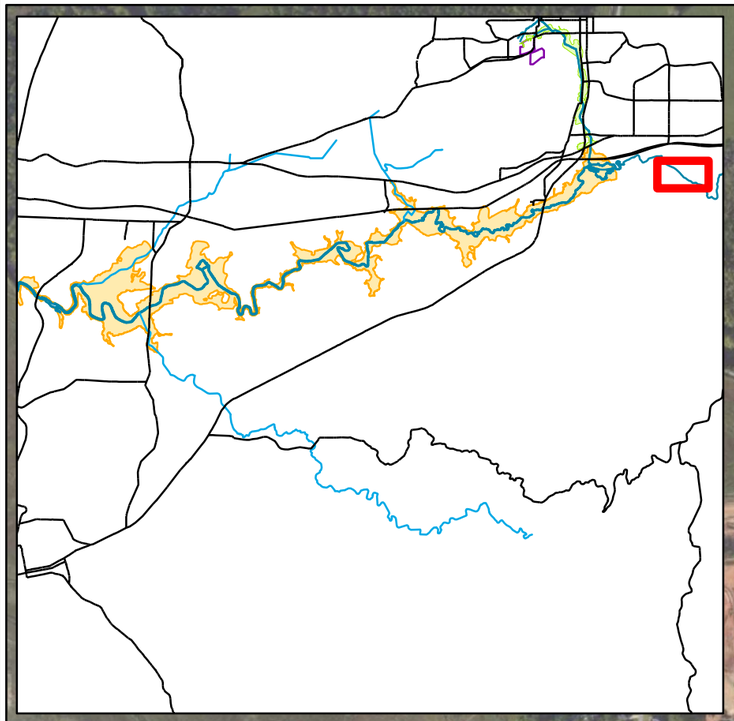
Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Lower Assessment Area
ELA-02, ELA-03, ELT-03, ELT-04, ELT-05, ELT-06, ELT-07, ELT-08, and ELT-09

Solutia

Figure 4-33g

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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ERT-01-SF

ERA-01

ERT-01-MF

0 800 1,600 Feet

Graphic Scale

Legend

OU-4 Phase 2 Ecological Surface Sediment Sample Location[1]
Maximum PCB Result

- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

OU-4 Phase 2 Ecological Surface Soil Sample Location [1]
Maximum PCB Result

- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling

Note:

1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   in: inches
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Imagery provided by NAIP imagery service licensed through ESRI product software.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Biological Sample Areas and Locations
Reference Area 1
ERA-01 and ERT-01

Solutia

Figure
4-33h



Legend

OU-4 Phase 2 Ecological Surface Sediment Sample Location[1]
Maximum PCB Result

- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

OU-4 Phase 2 Ecological Surface Soil Sample Location [1]
Maximum PCB Result

- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling

Note:

1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   in: inches
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Imagery provided by NAIP imagery service licensed through ESRI product software.

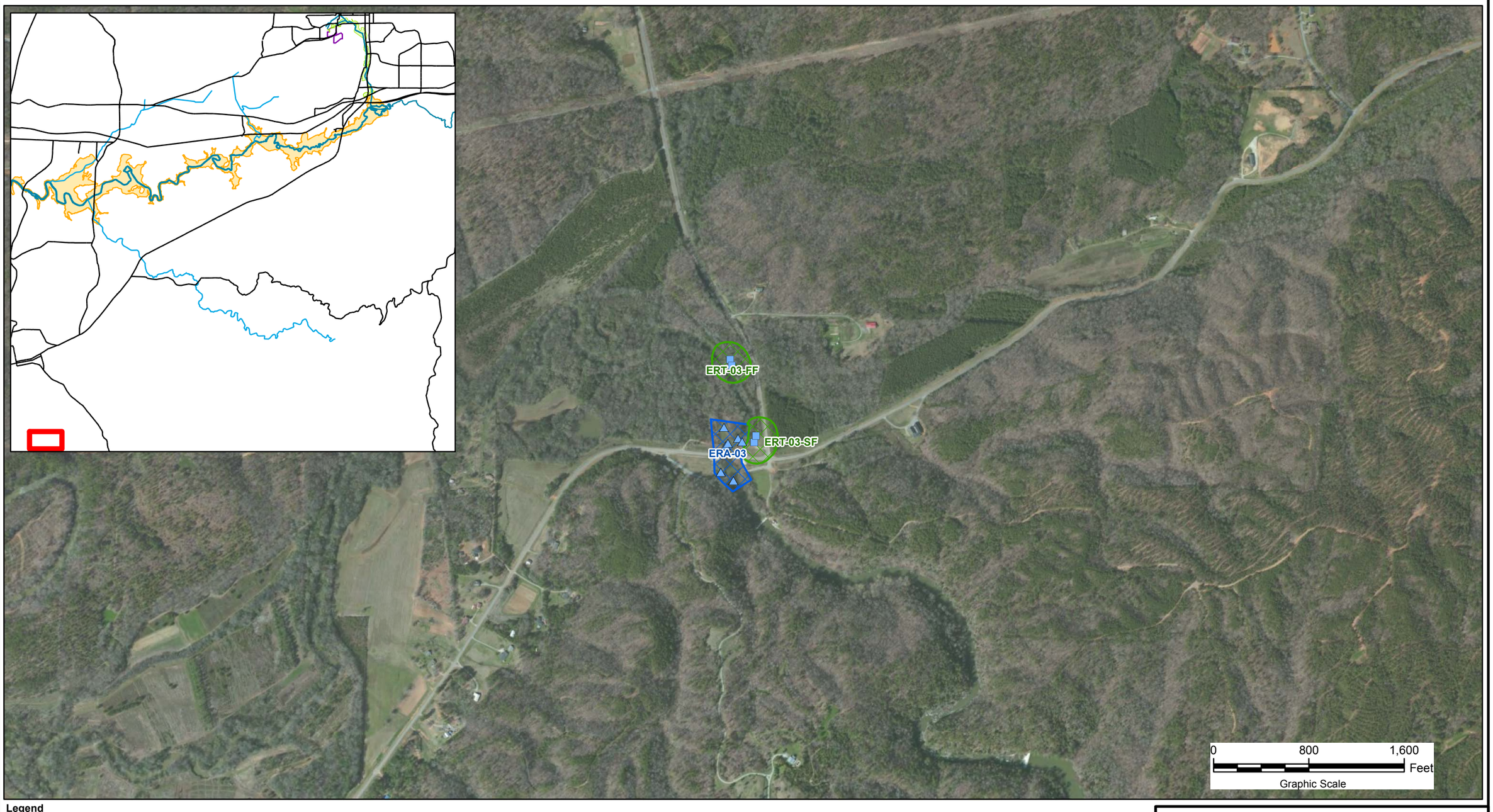
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Biological Sample Areas and Locations Reference Area 2 ERA-02 and ERT-02

Solutia

Figure 4-33i



Legend

OU-4 Phase 2 Ecological Surface Sediment Sample Location[1]
Maximum PCB Result
- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

OU-4 Phase 2 Ecological Surface Soil Sample Location [1]
Maximum PCB Result
- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

- Approximate Area of Aquatic BSA - OU-4 Phase 2 Ecological Sampling
- Approximate Area of Terrestrial BSA - OU-4 Phase 2 Ecological Sampling

Note:
1. Surface sediment is generally defined as 0-6" for the ecological samples and 0-2" for others. Surface soil is generally defined as 0-6".
2. BSA: biological sampling area
   in: inches
   OU: operable unit
   PCB: polychlorinated biphenyl
3. Imagery provided by NAIP imagery service licensed through ESRI product software.

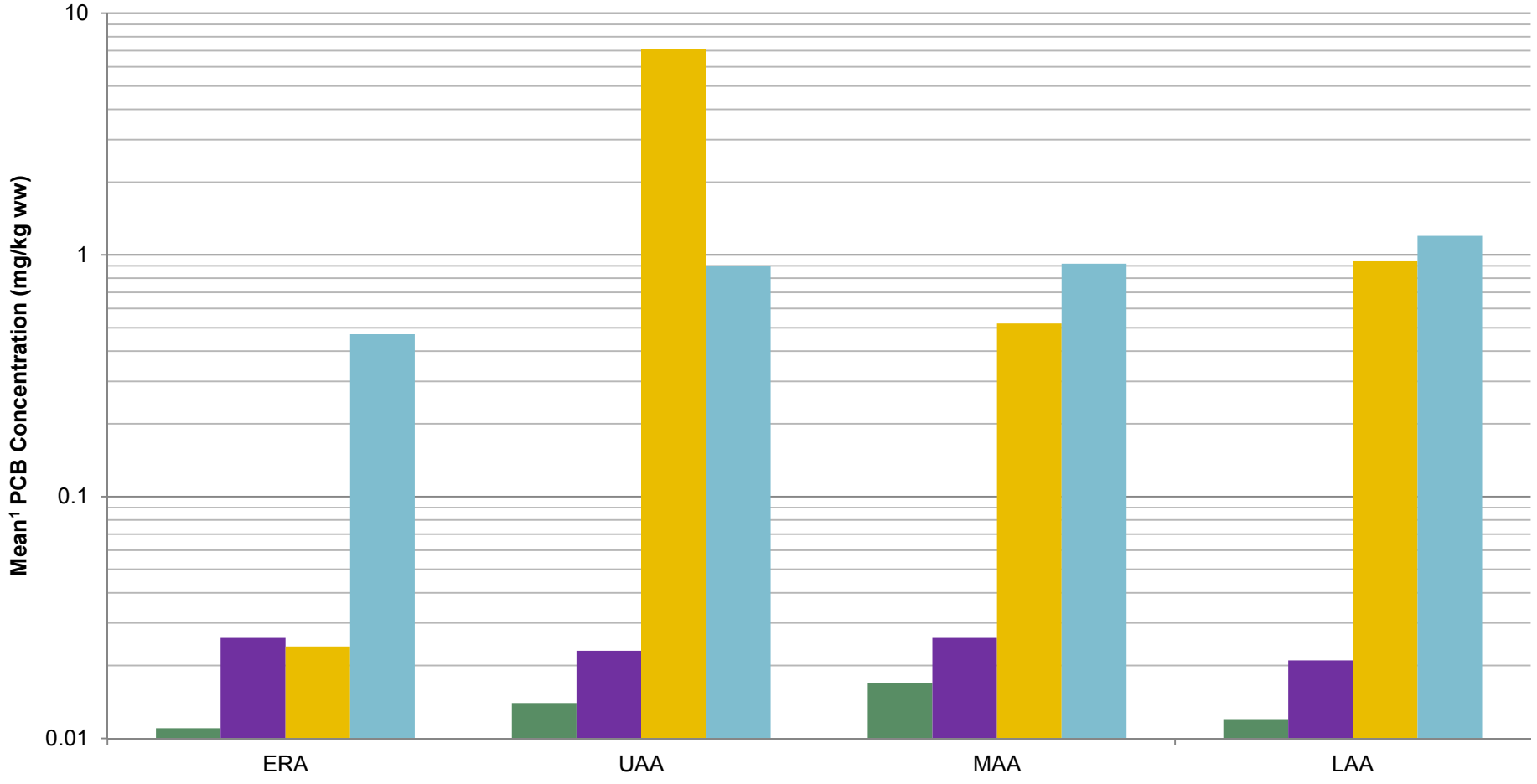
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Biological Sample Areas and Locations Reference Area 3 ERA-03 and ERT-03

Solutia

Figure 4-33j



ERA: ecological reference area
LAA: lower assessment area
MAA: middle assessment area
mg/kg ww: milligrams per kilogram wet weight
UAA: upper assessment area

Note:
1. Mean calculated using one half the reporting limit for undetected results.

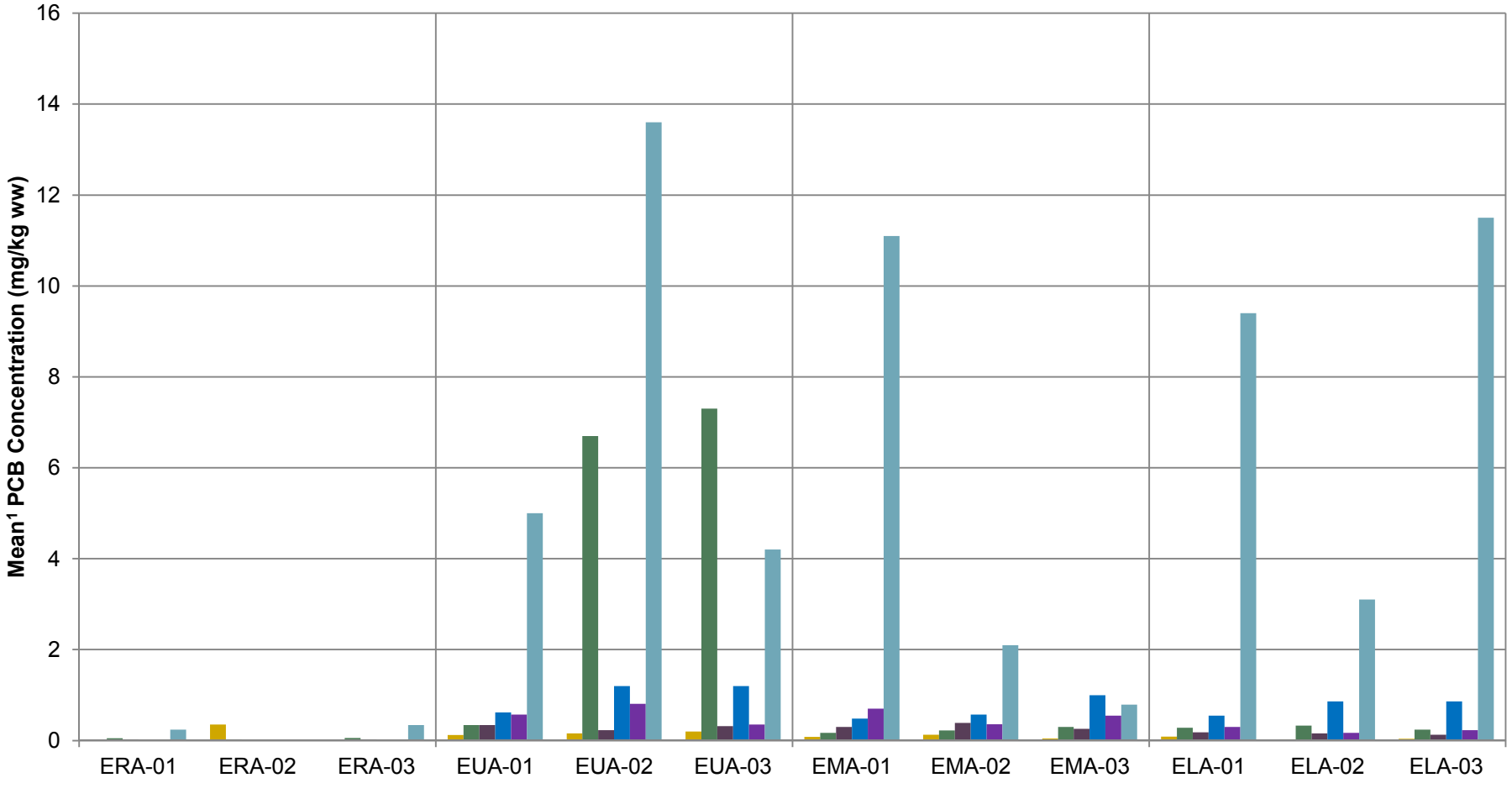
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Summary of Terrestrial Tissue PCB Concentrations

Solutia

Figure
4-34



ELA: lower assessment area ecological sample location
EMA: middle assessment area ecological sample location
ERA: reference area ecological sample location
EUA: upper assessment area ecological sample location
mg/kg: milligrams per kilogram wet weight

Note:
1. Mean calculated using one half the reporting limit for undetected results.

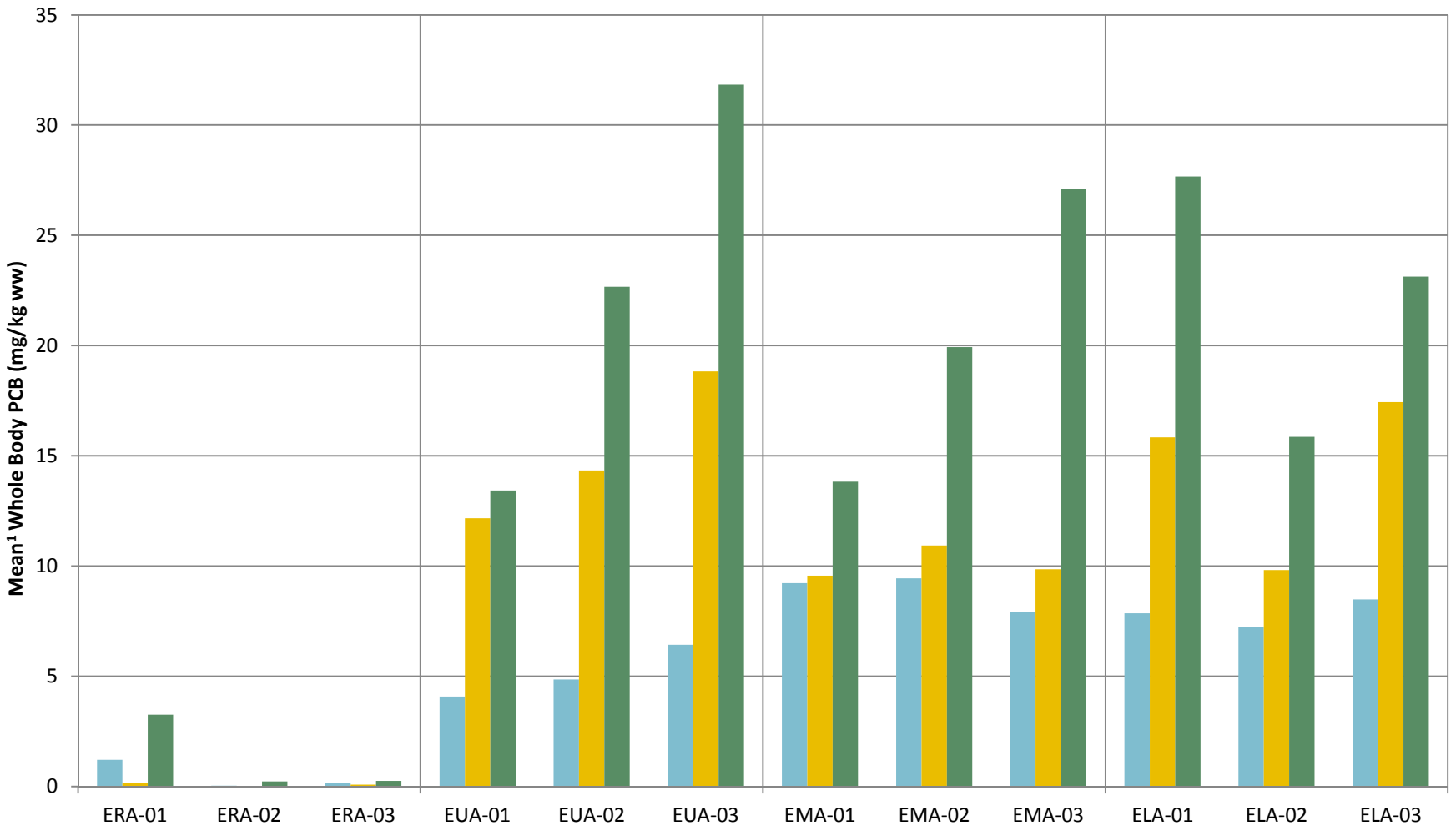
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Summary of Aquatic Tissue PCB Concentrations

Solutia

Figure
4-35



ELA: lower assessment area ecological sample location
EMA: middle assessment area ecological sample location
ERA: reference area ecological sample location
EUA: upper assessment area ecological sample location
mg/kg ww: milligrams per kilogram wet weight

Note:
1. Mean calculated using one half the reporting limit for undetected results.

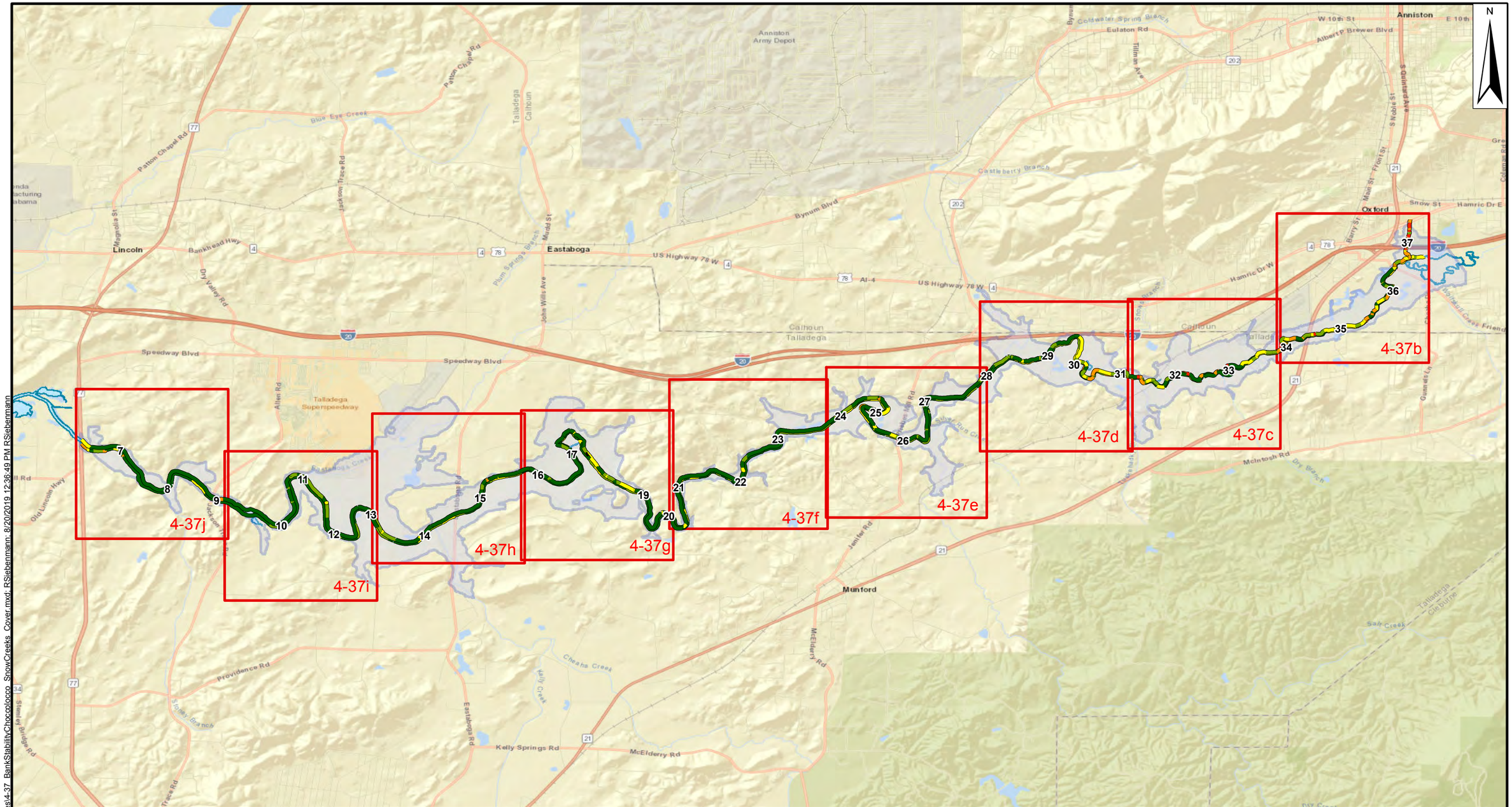
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Summary of Fish Tissue PCB Concentrations

Solutia

Figure
4-36



Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 4,000 8,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community.

Anniston PCB Site
Anniston, Alabama

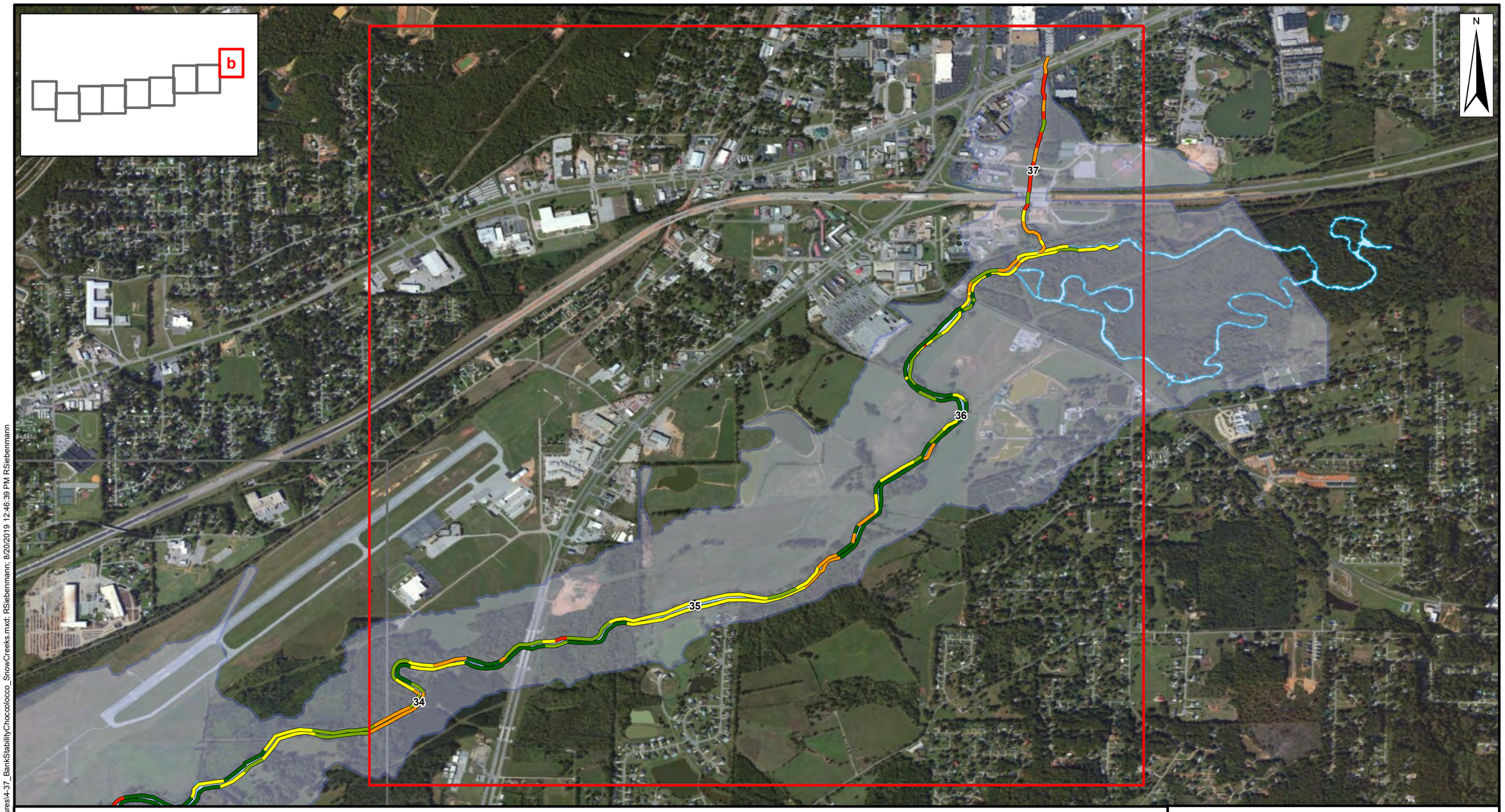
Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37a

\\arcp-01\NA\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStability\Choccolocco_SnowCreeks_Cover.mxd, RSiebenmann, 8/20/2019 12:36:49 PM



Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Anniston PCB Site
Anniston, Alabama

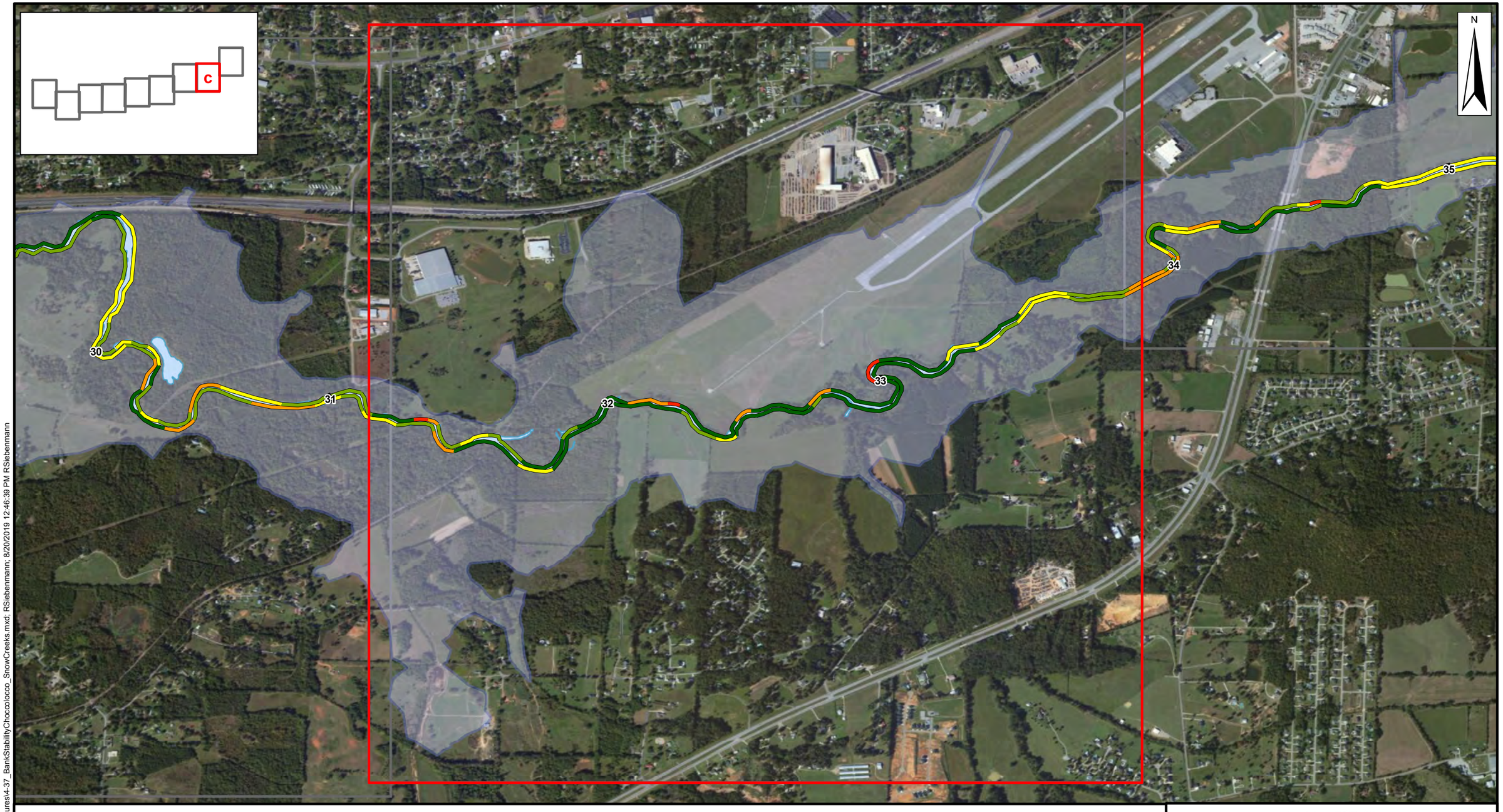
Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37b

\\aro-01fs01\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStabilityChoccolocco_SnowCreeks.mxd; RSiebenmann; 8/20/2019 12:46:39 PM RSiebenmann



Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Anniston PCB Site
Anniston, Alabama

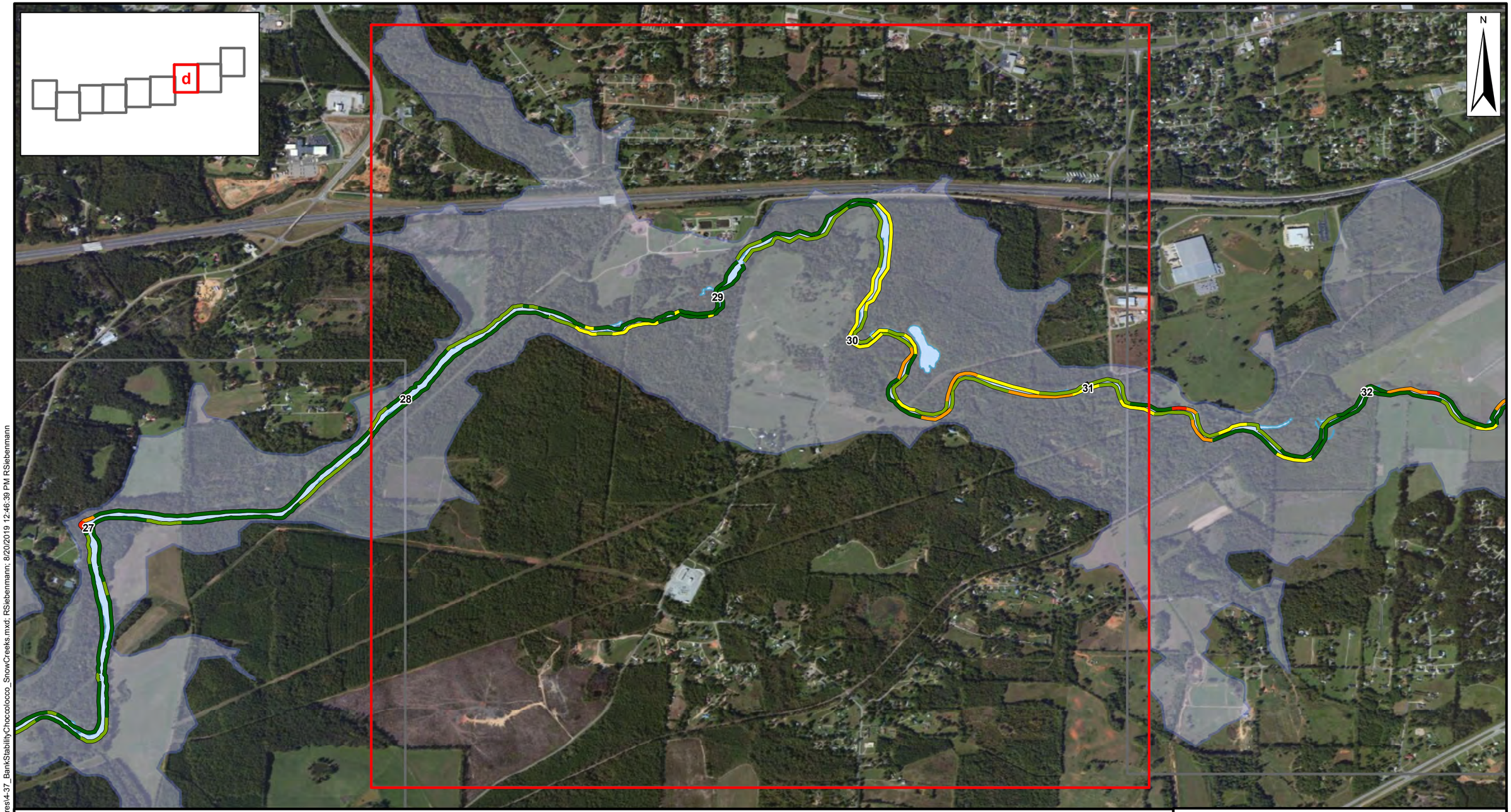
Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37c

\\aro-01\N:\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStabilityChoccolocco_SnowCreeks.mxd; RSiebenmann; 8/20/2019 12:46:39 PM RSiebenmann



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Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

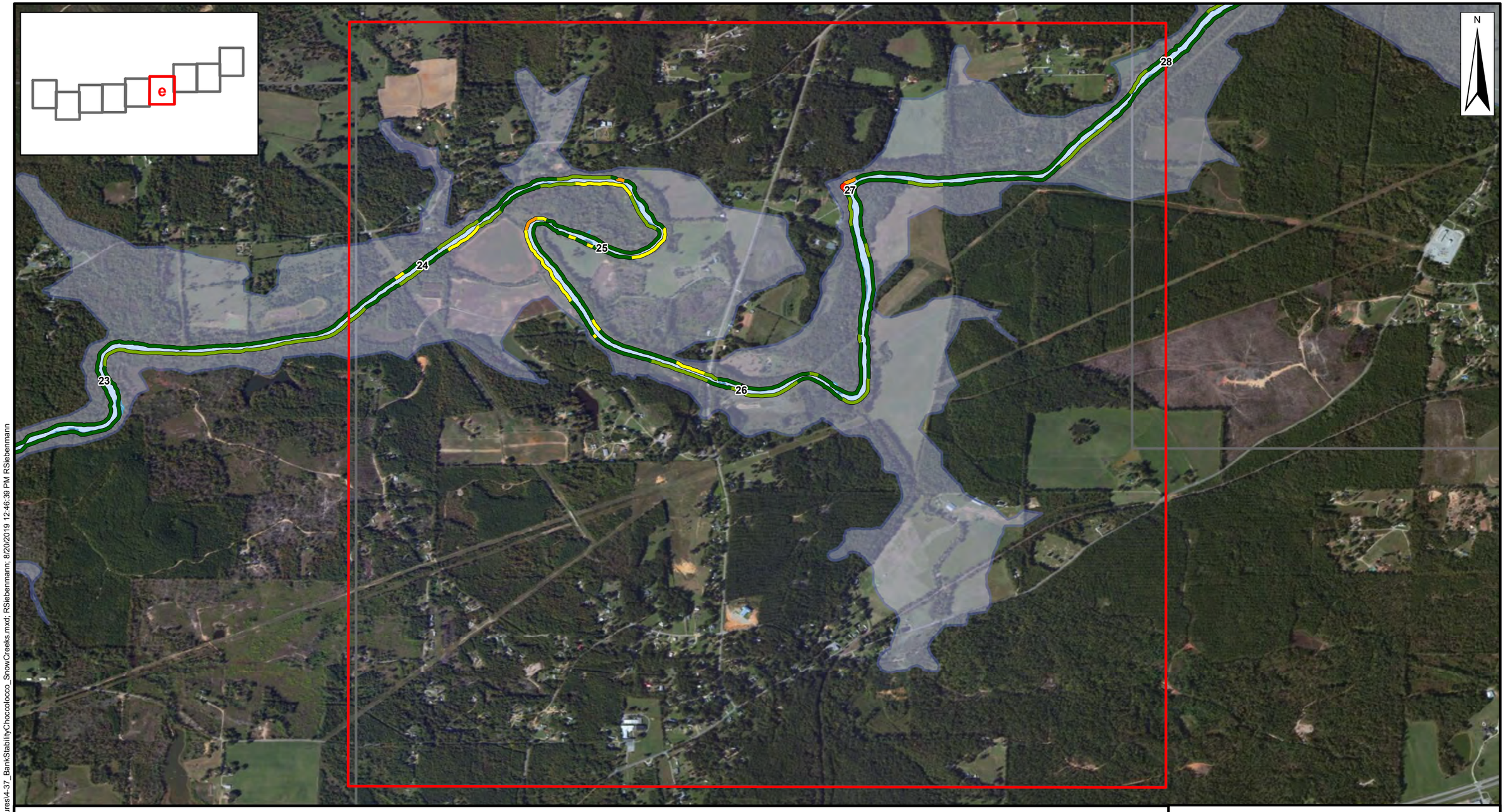
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37d



N

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Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

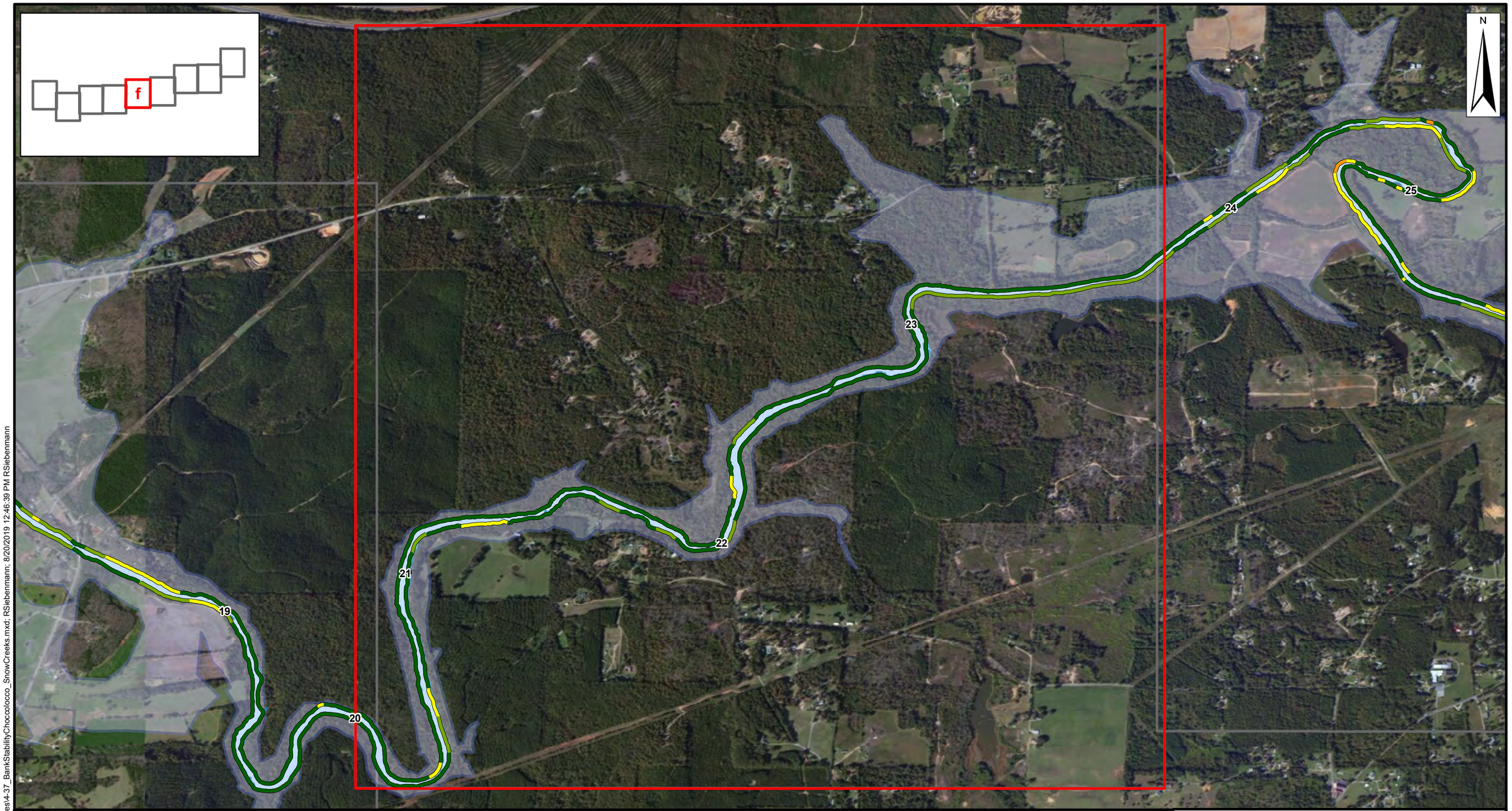
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37e



\\aro-01\N:\A\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStabilityChoccolocco_SnowCreeks.mxd; RSiebenmann; 8/20/2019 12:46:39 PM RSiebenmann

Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

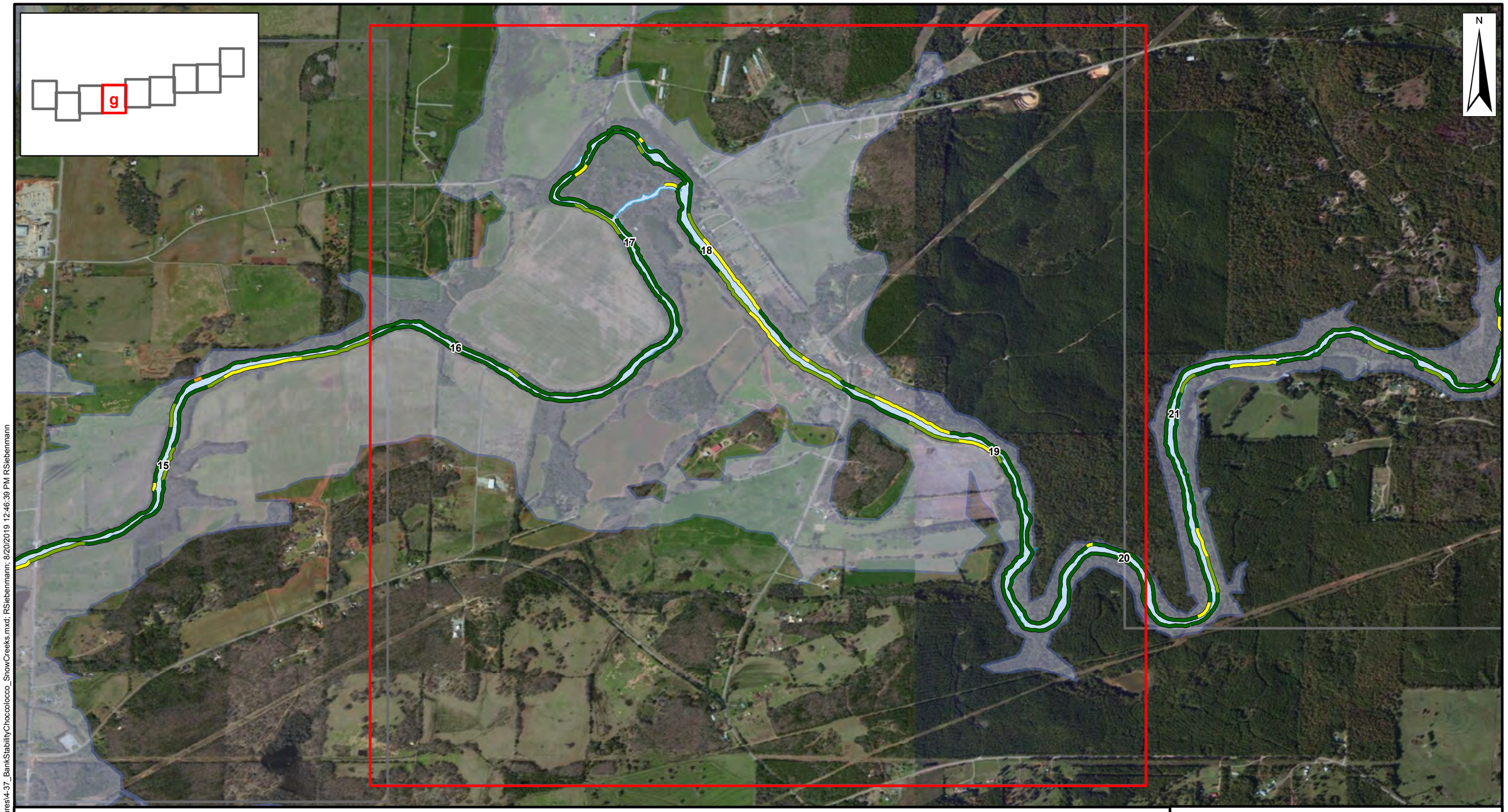
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37f



Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Anniston PCB Site
Anniston, Alabama

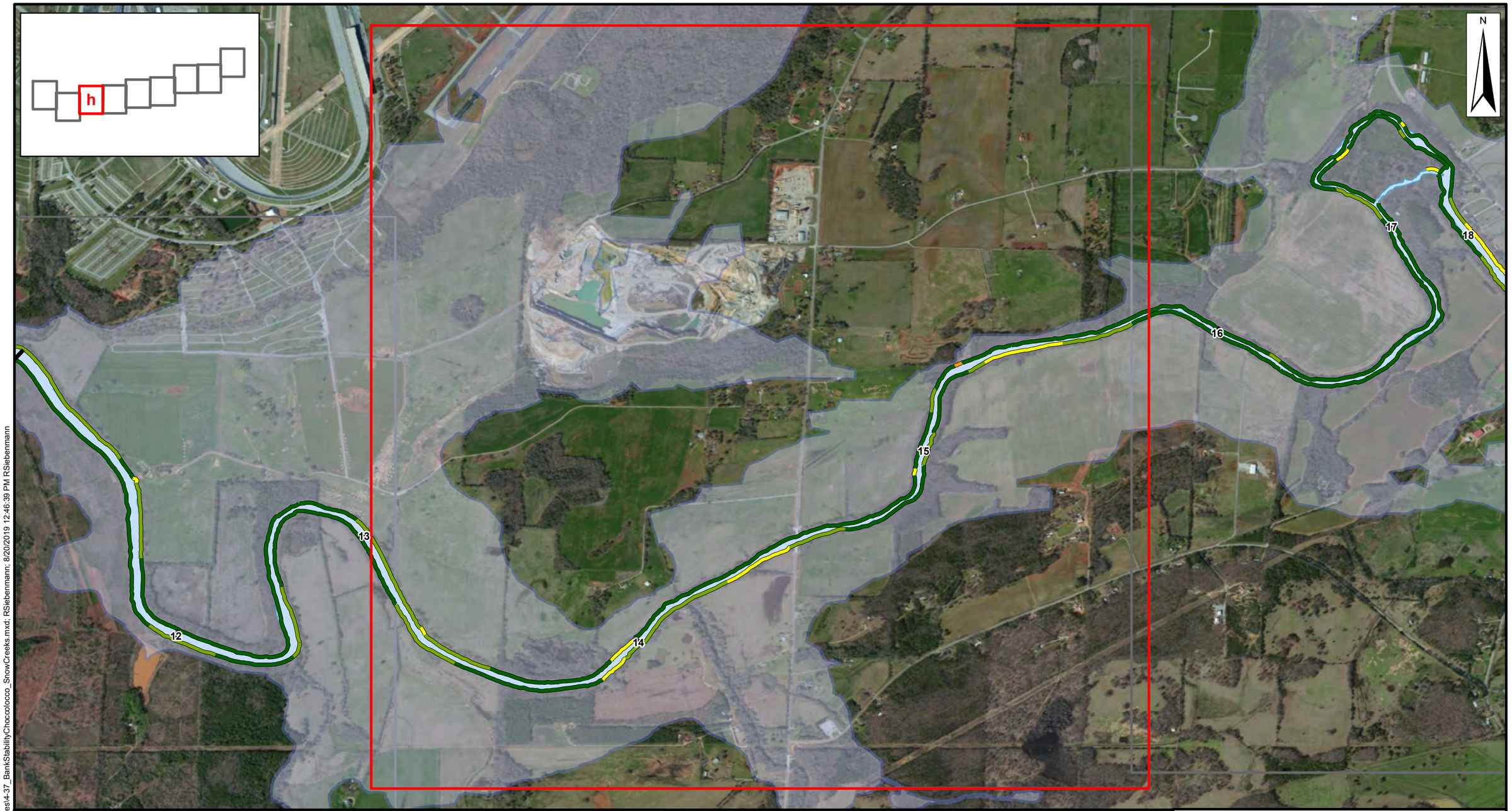
Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37g

\\aro-01fs\AA\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStabilityChoccolocco_SnowCreeks.mxd; RSiebenmann; 8/20/2019 12:46:39 PM RSiebenmann



Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Anniston PCB Site
Anniston, Alabama

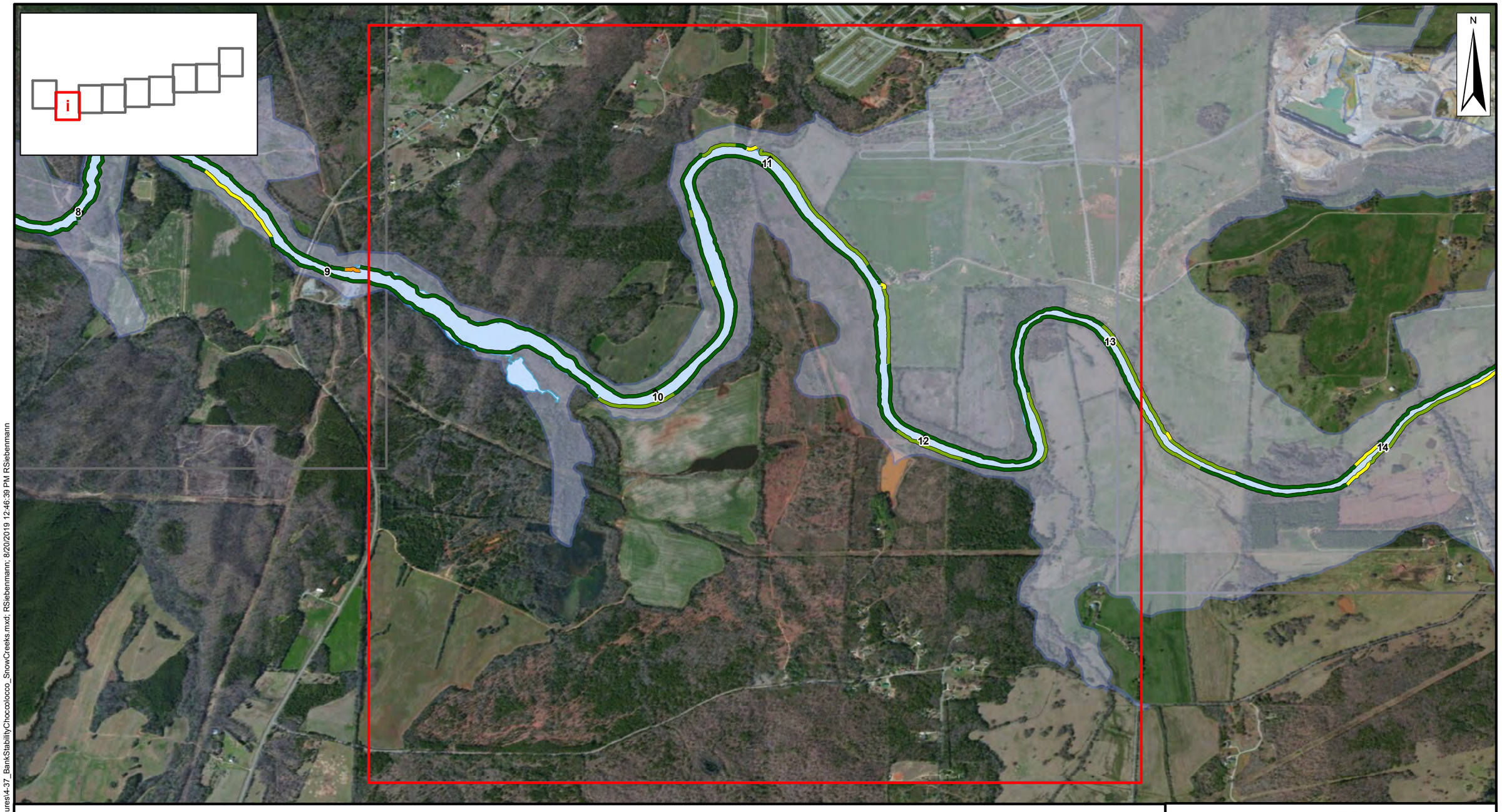
Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37h

\\aro-01fs\Projects\AA\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStabilityChoccolocco_SnowCreeks.mxd; RSiebenmann; 8/20/2019 12:46:39 PM RSiebenmann



\\aro-011N:\AA\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStabilityChoccolocco_SnowCreeks.mxd; RSiebenmann; 8/20/2019 12:46:39 PM RSiebenmann

Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

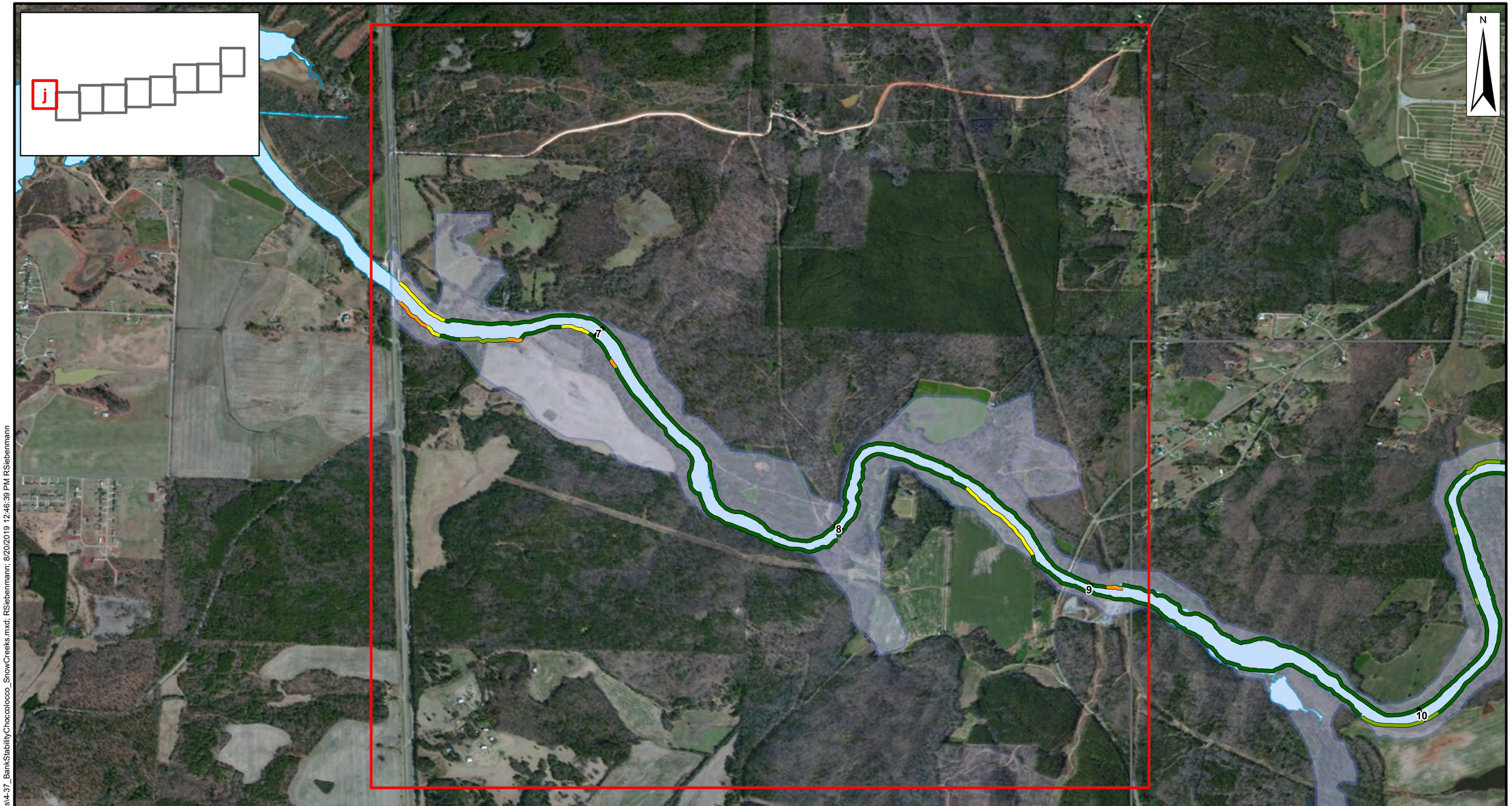
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37i



Legend

Bank Stability Ratings

- Stable
- Relatively Stable
- Minor Erosion
- Moderate Erosion
- Severe Erosion

- Choccolocco Creek
- OU4 100-Year Floodplain
- 35 River Mile Station

0 1,000 2,000 Feet

Notes:
1. Bank stability surveys conducted in 2011, 2012, and 2015.
2. Source aerial images from Calhoun County, Talladega County, and Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Anniston PCB Site
Anniston, Alabama

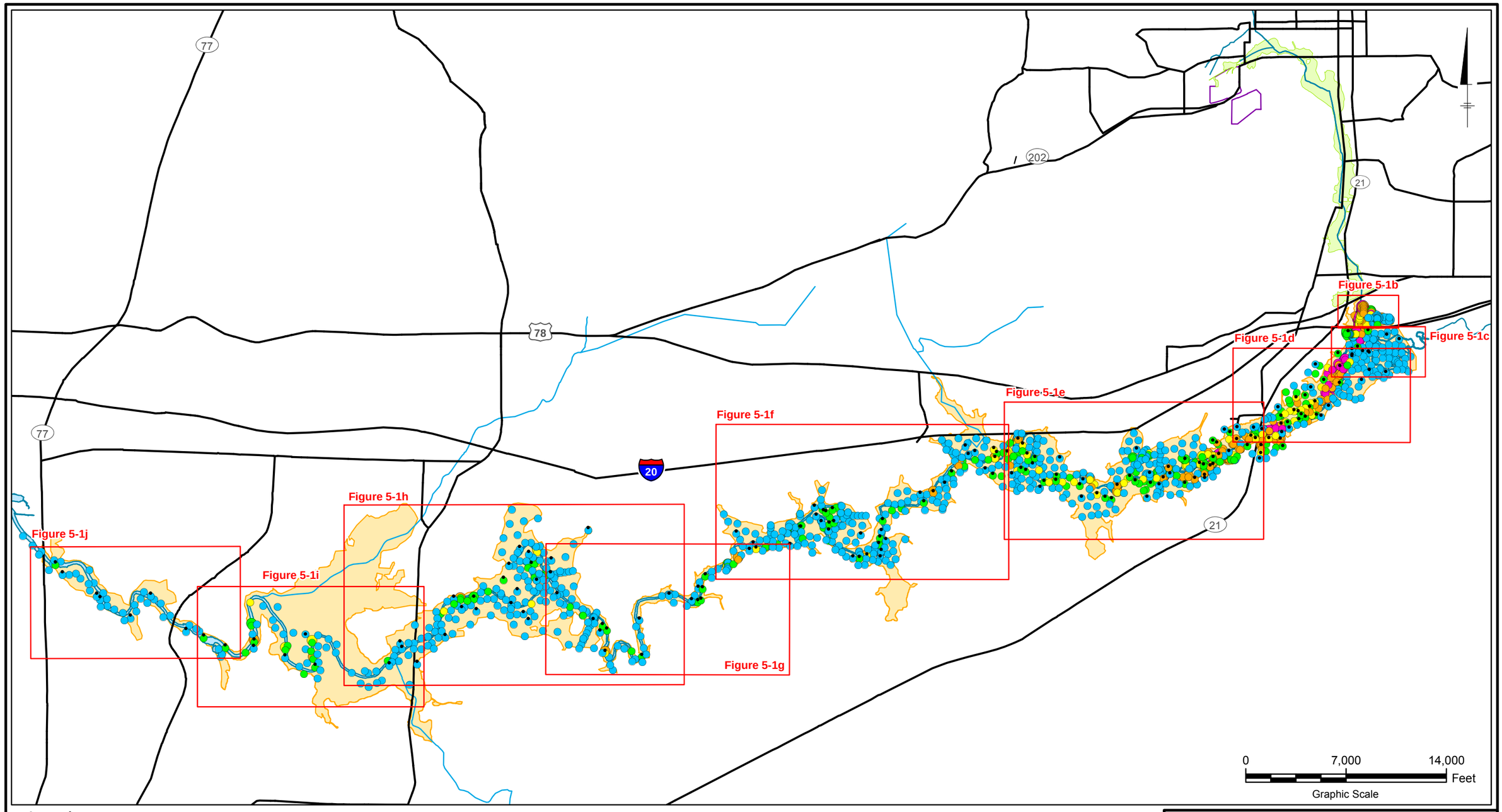
Remedial Investigation Report for OU-4

Creek Bank Stability Survey Results

Solutia

Figure
4-37j

\\aro-01fN:\A\Anniston\GIS\MXD\OU4 RI Figures\4-37_BankStabilityChoccolocco_SnowCreeks.mxd; RSiebenmann; 8/20/2019 12:46:39 PM RSiebenmann



Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain
- OU-3 Boundary

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:

1. mg/kg: milligrams per kilogram
   PCB: polychlorinated biphenyl
   OU: operable unit
2. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.

Anniston PCB Site
Anniston, Alabama

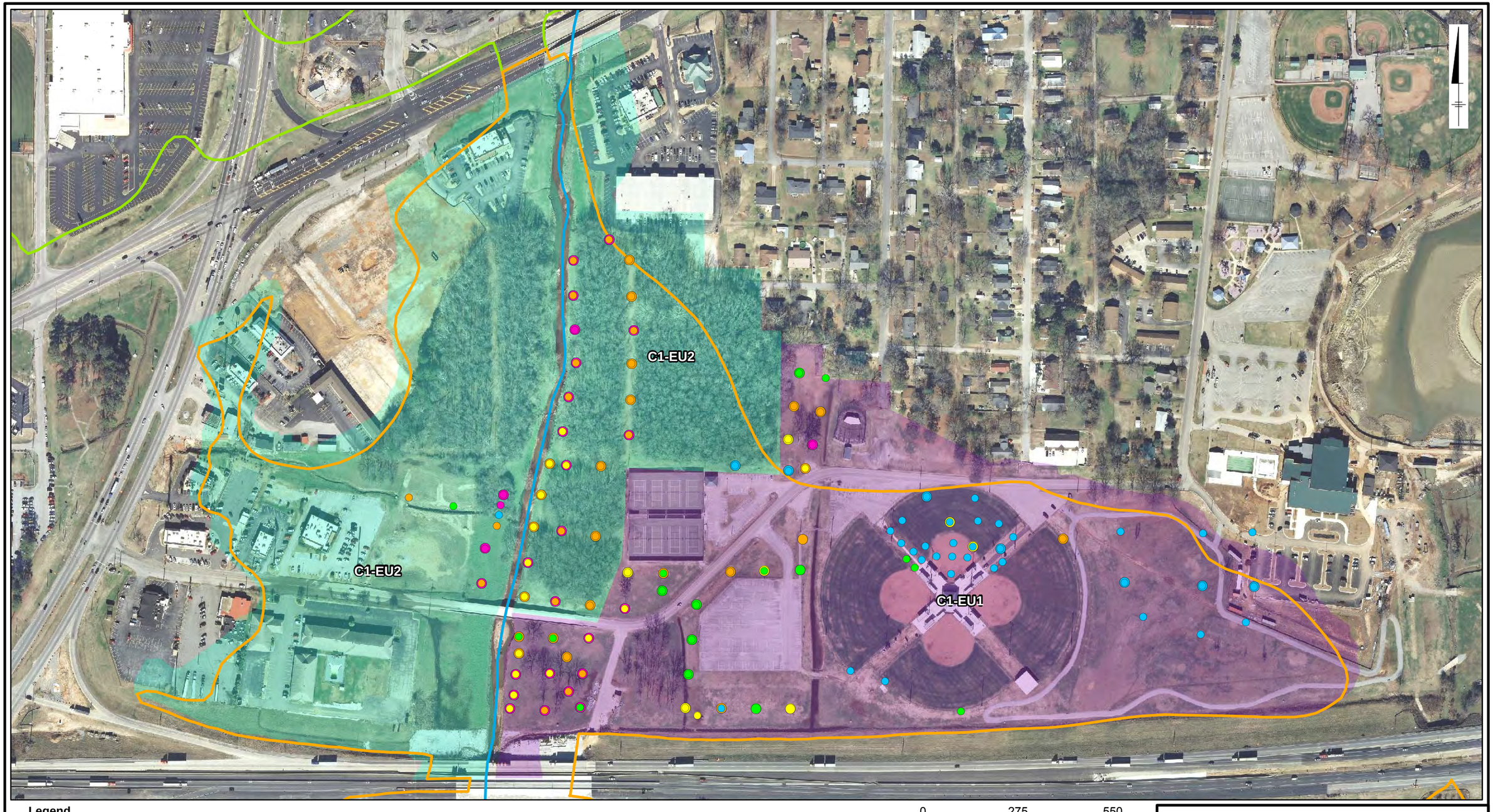
Remedial Investigation Report for OU-4

Key for PCB Soil Results by Exposure Unit

Solutia

Figure
5-1a

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Snow Creek Centerline
- C1-EU1
- C1-EU2
- OU-4 100-Year Floodplain
- OU-1/OU-2 Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 275 550 Feet

Graphic Scale

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

Anniston PCB Site
Anniston, Alabama

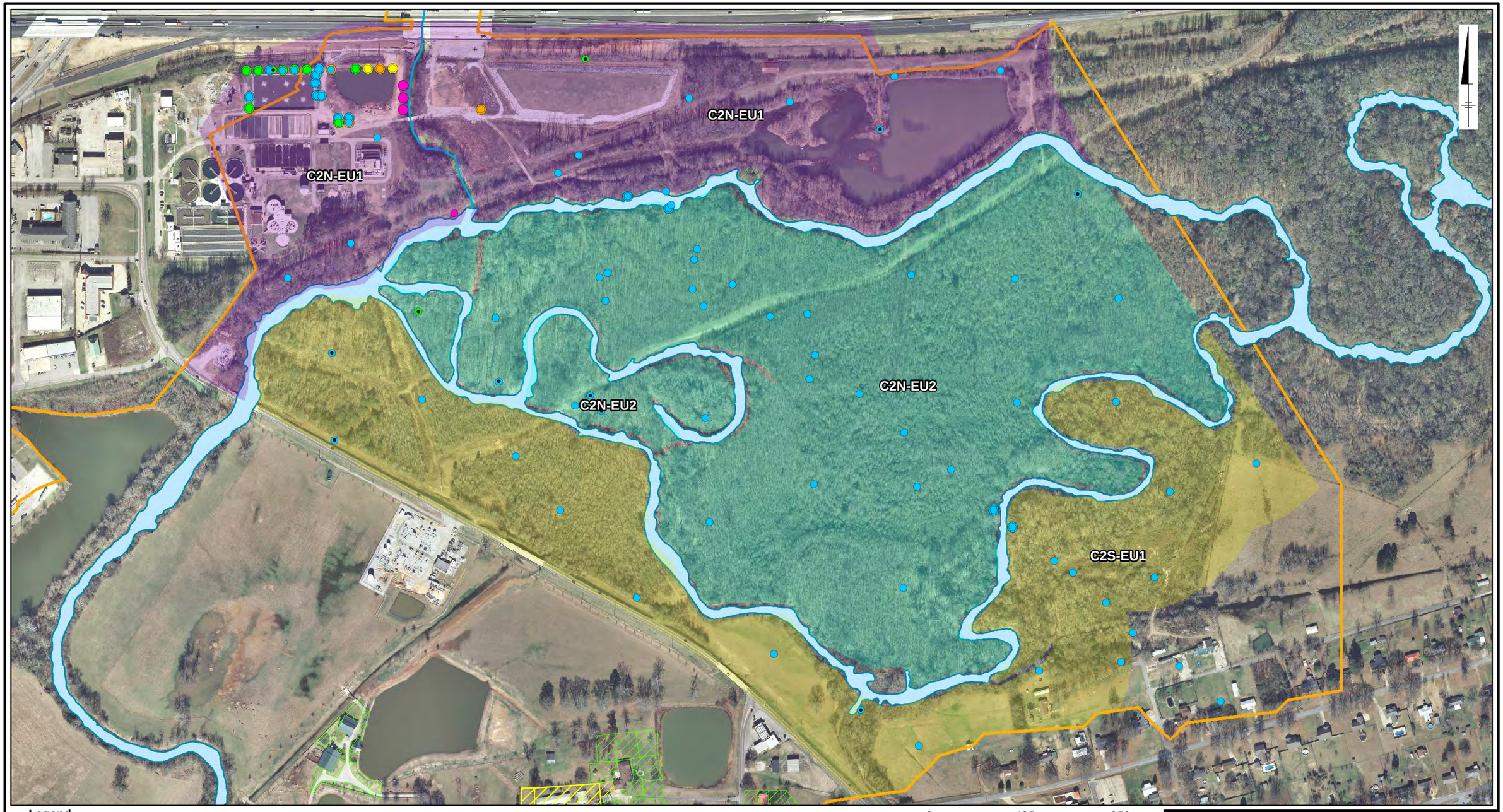
Remedial Investigation Report for OU-4

PCB Soil Results for C1-EU1 and C1-EU2

Solutia

Figure **5-1b**

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury

Residential Parcels Sampled

- Removal Complete
- Residential <1 (mg/kg)

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

- Snow Creek Centerline
- C2N-EU1
- C2N-EU2
- C2S-EU1
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 425 850 Feet

Graphic Scale

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

Anniston PCB Site
Anniston, Alabama

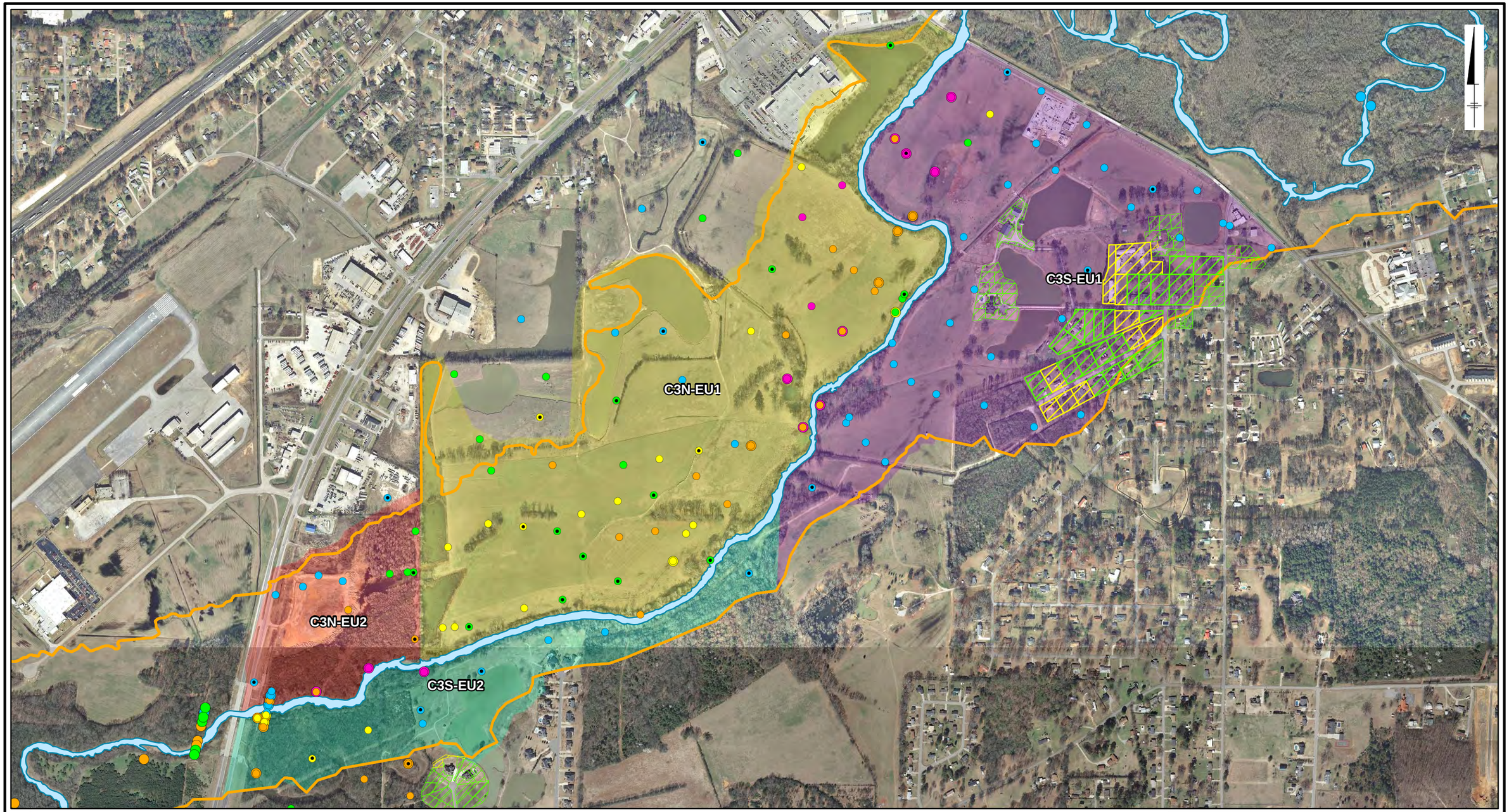
Remedial Investigation Report for OU-4

PCB Soil Results for C2N-EU1, C2N -EU2, and C2S-EU1

Solutia

Figure
5-1c

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\ALMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F5-1c_OU4_C2_SurfSubsurf_SoilPCB.mxd 8/20/2019 8:48:59 PM



Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- C3S-EU1
- C3S-EU2
- C3N-EU1
- C3N-EU2

Residential Parcels Sampled
- Removal Complete
- Residential <1 (mg/kg)
- Choccolocco Creek
- OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 800 1,600 Feet

Graphic Scale

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB Soil Results for C3N-EU1, C3N-EU2, C3S-EU1, and C3S-EU2

Solutia

Figure
5-1d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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C4N-EU2

C4N-EU1

C4S-EU1

C4S-EU3

C4S-EU2

Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury

Residential Parcels Sampled

- Removal Complete
- Residential <1 (mg/kg)

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

- C4N-EU1
- C4S-EU1
- C4S-EU2
- C4N-EU2
- C4S-EU3
- Choccolocco Creek
- OU-4 100-Year Floodplain

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

0 1,175 2,350 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

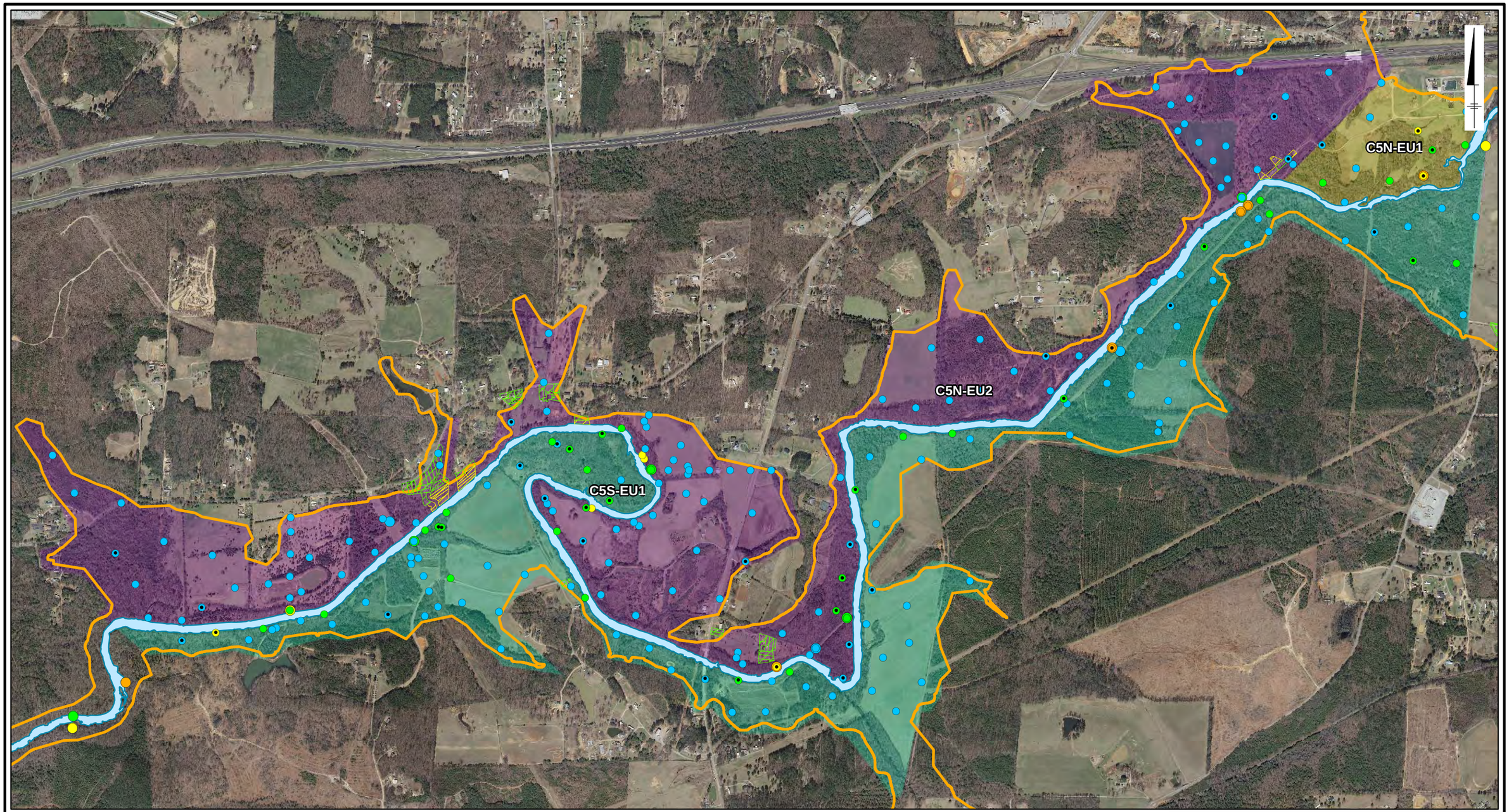
Remedial Investigation Report for OU-4

PCB Soil Results for C4N-EU1, C4N-EU2, C4S-EU1, C4S-EU2, and C4S-EU3

Solutia

Figure
5-1e

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury

Residential Parcels Sampled

- Removal Complete
- Residential <1 (mg/kg)

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

- C5N-EU1
- C5N-EU2
- C5S-EU1
- Choccolocco Creek
- OU-4 100-Year Floodplain

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

0 1,325 2,650 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

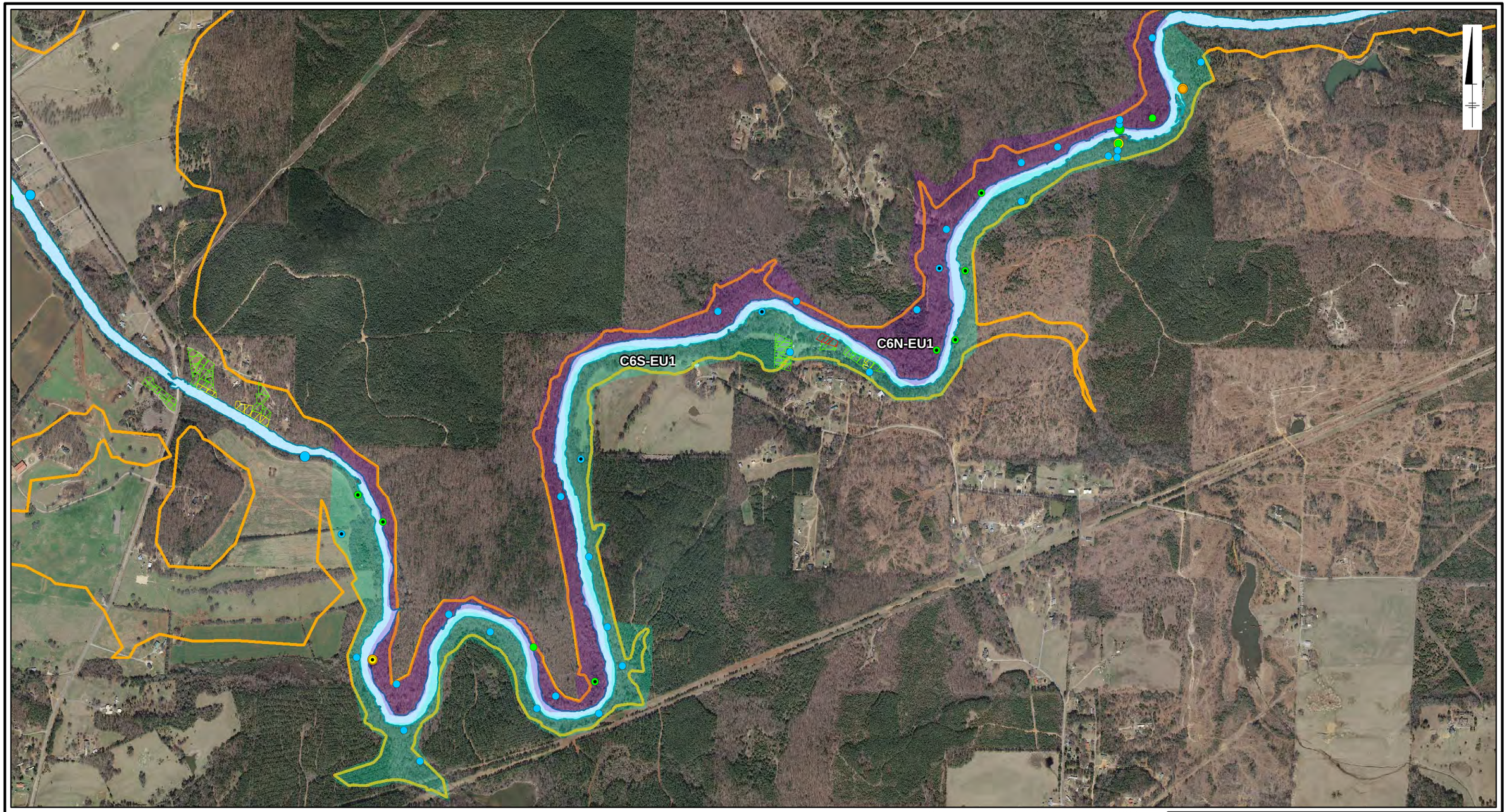
Remedial Investigation Report for OU-4

PCB Soil Results for C5N-EU1, C5N-EU2, and C5S-EU1

Solutia

Figure
5-1f

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury

Residential Parcels Sampled

- Removal Complete
- Residential <1 (mg/kg)
- Residential >1 (mg/kg)

- C6N-EU1
- C6S-EU1
- Choccolocco Creek
- OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

0 1,100 2,200 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB Soil Results for C6N-EU1 and C6S-EU1

Solutia

Figure
5-1g

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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C7N-EU1

C7S-EU1

Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury

Residential Parcels Sampled

- Removal Complete
- Residential <1 (mg/kg)
- Residential >1 (mg/kg)

- C7N-EU1
- C7S-EU1
- Choccolocco Creek
- OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

0 1,550 3,100 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

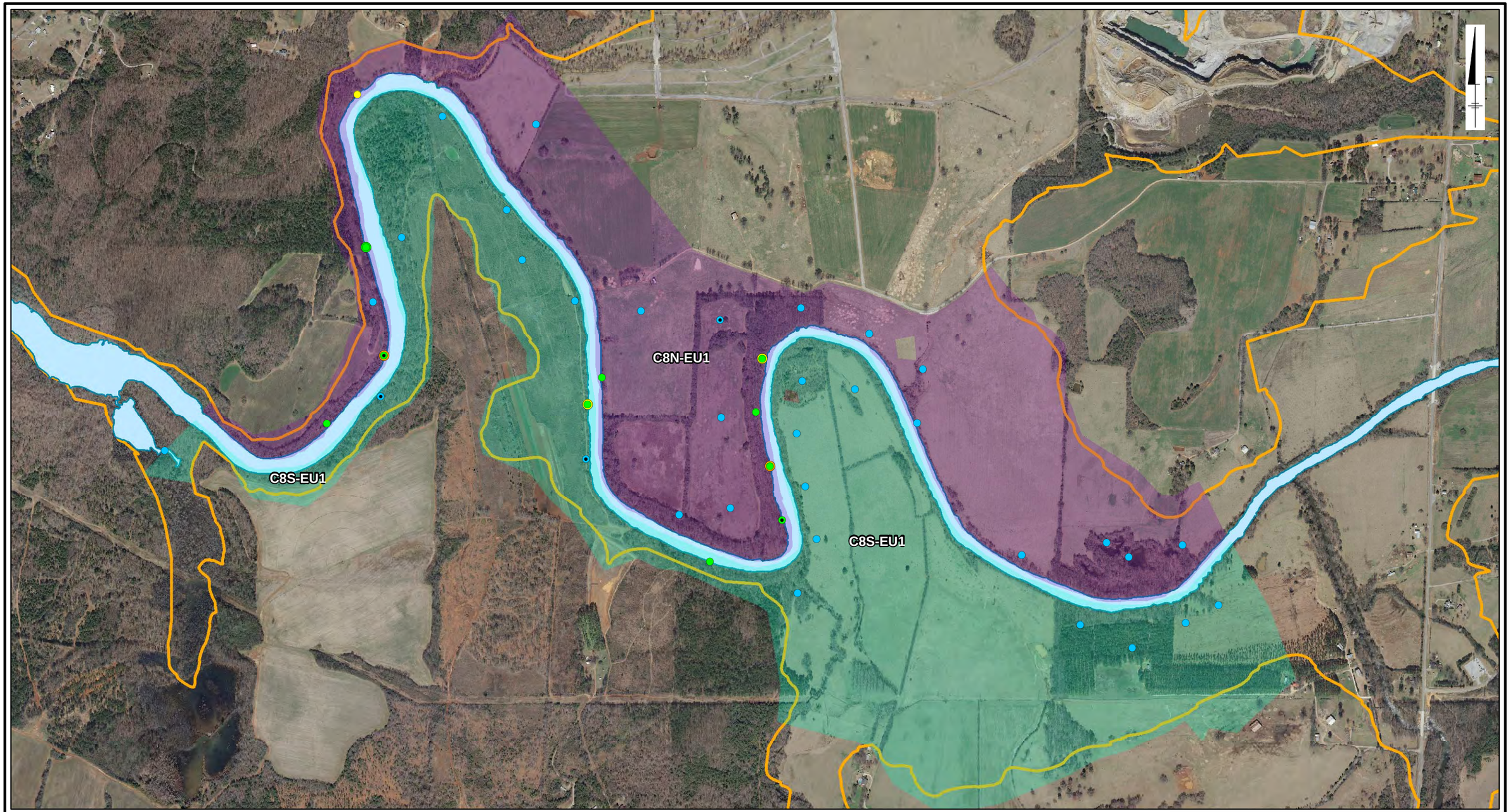
Remedial Investigation Report for OU-4

PCB Soil Results for C7N-EU1 and C7S-EU1

Solutia

Figure
5-1h

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- C8N-EU1
- C8S-EU1
- Choccolocco Creek
- OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 1,025 2,050 Feet

Graphic Scale

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB Soil Results for C8N-EU1 and C8S-EU1

Solutia

Figure 5-1i

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\AnnistonALM\XDs_Printfiles\Reports\OU4_2019Revisions\mxd\F5-1i_OU4_C8_SurfSubsurf_SoilPCB.mxd 8/20/2019 8:58:00 PM

C9N-EU1

C9S-EU1

Legend

Soil Sample Location

Total PCB Concentration (mg/kg)

- < 1
- ≥1 - <5
- ≥5 - <10
- ≥10 - < 50
- ≥ 50

- Samples Analyzed for Constituents Other Than PCBs or Mercury
- C9N-EU1
- C9S-EU1
- Choccolocco Creek
- OU-4 100-Year Floodplain

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 950 1,900 Feet

Graphic Scale

Notes:
1. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyls
2. Aerial imagery provided by Calhoun and Talladega Counties.
3. The subsurface results shown on the figure are the maximum concentration found in the samples taken below 1 foot.
4. Surface concentrations depicted represent a length-weighted average of data from the 0- to 1-ft interval.

Anniston PCB Site
Anniston, Alabama

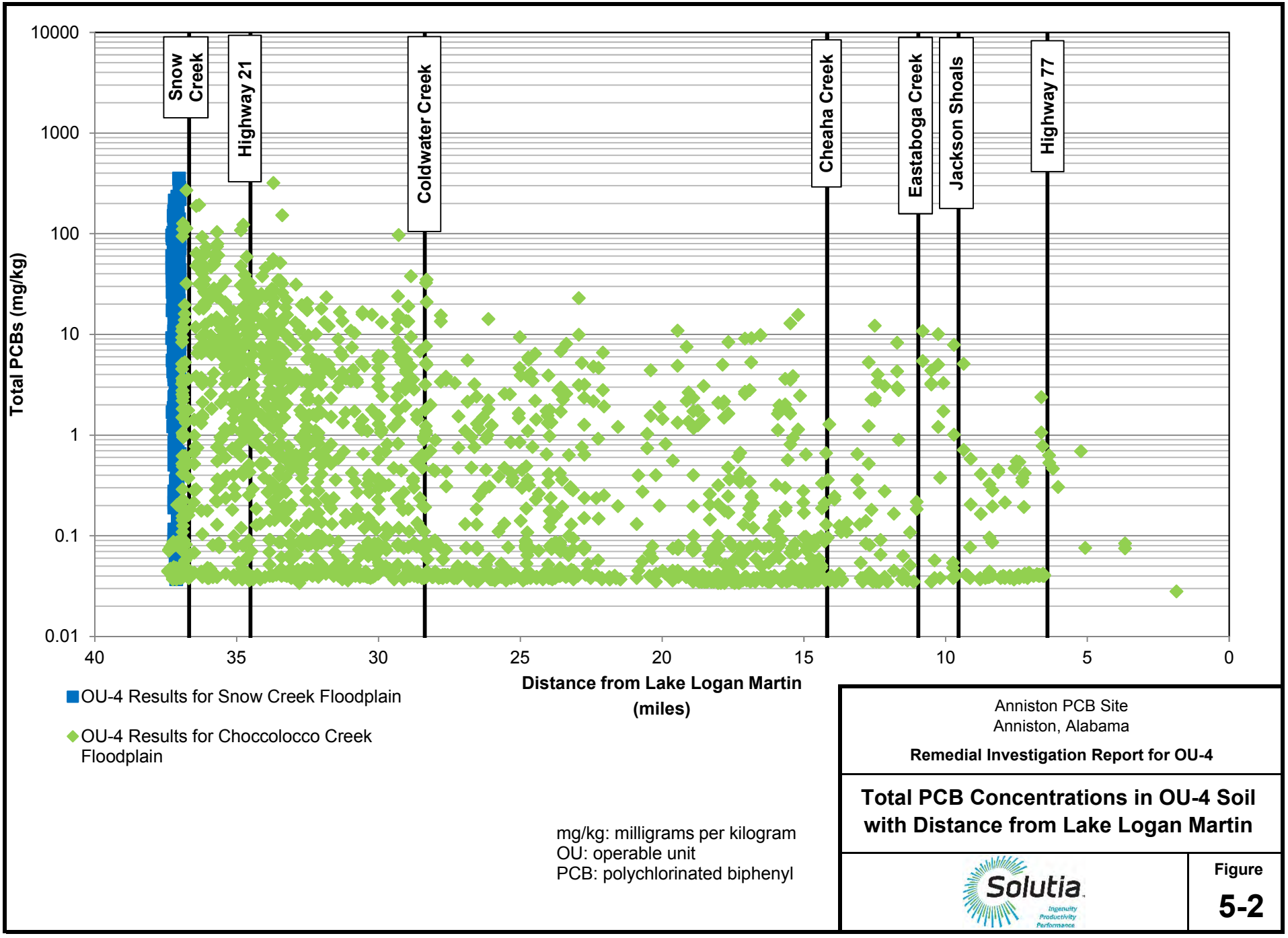
Remedial Investigation Report for OU-4

PCB Soil Results for C9N-EU1 and C9S-EU1

Solutia

Figure
5-1j

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\Anniston\AL\MXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F5-1j_OU4_C9_SurfSubsurf_SoilPCB.mxd 8/20/2019 8:59:37 PM



mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

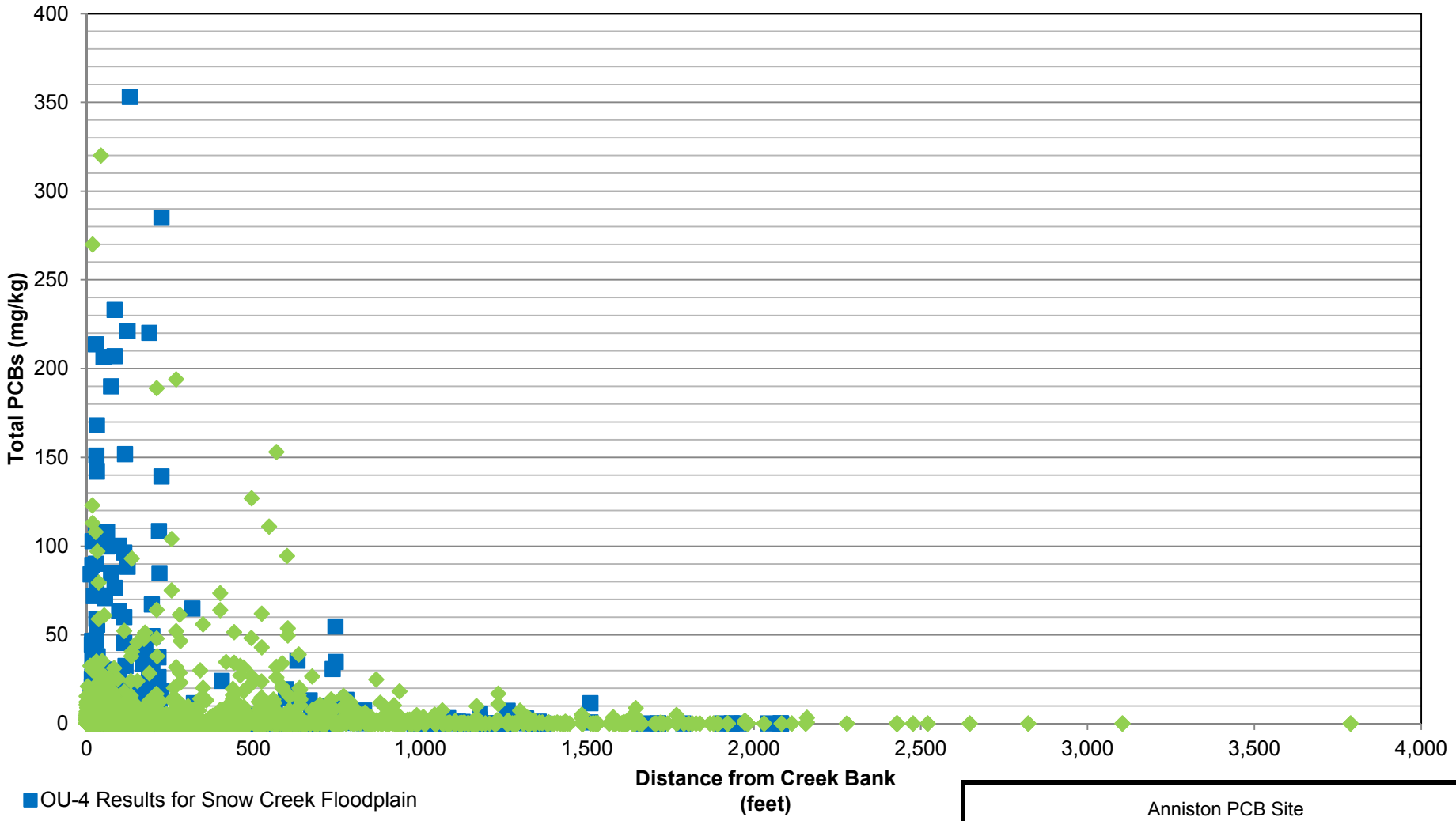
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Total PCB Concentrations in OU-4 Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure 5-2



mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

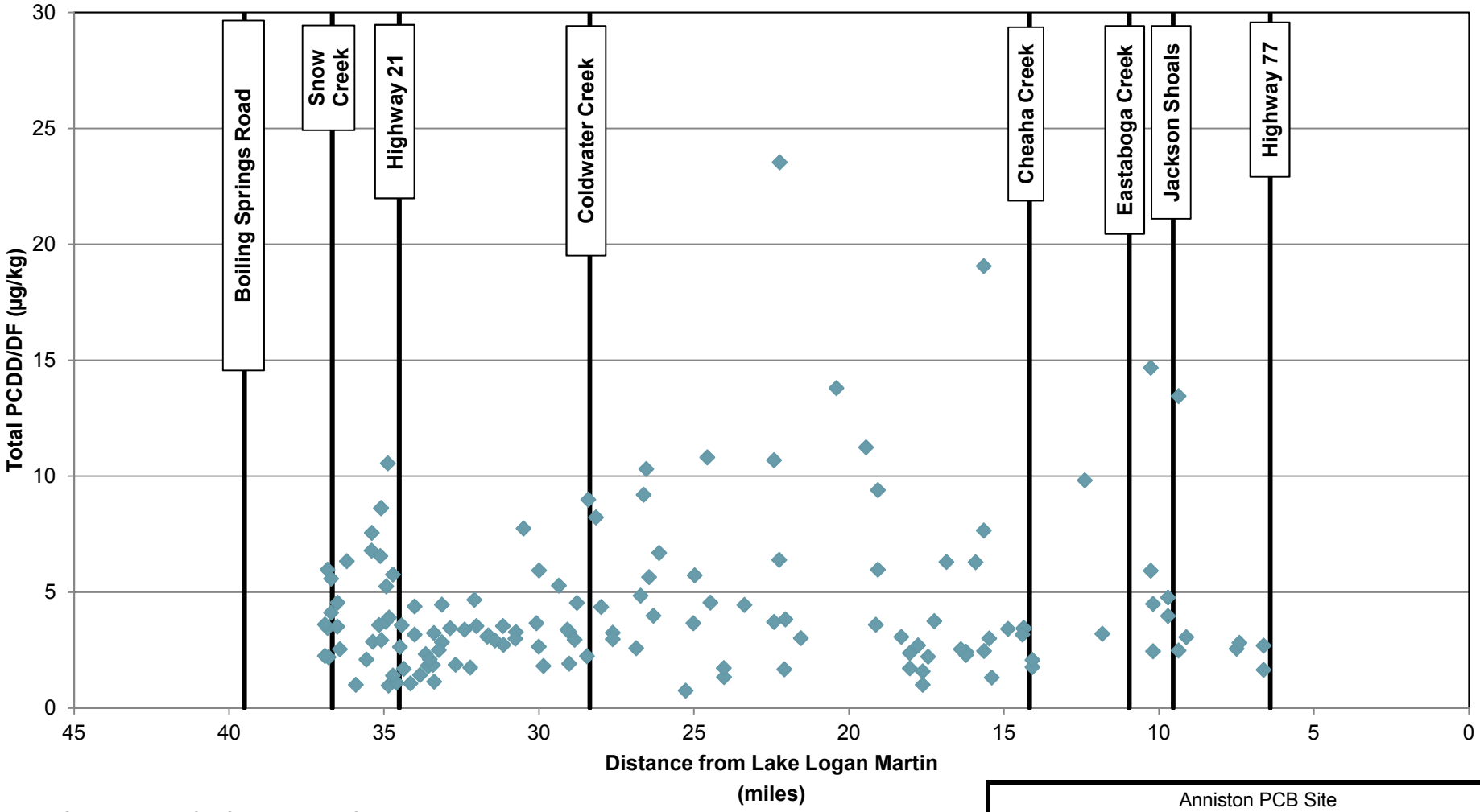
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Total PCB Concentrations in OU-4 Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure
5-3



µg/kg: micrograms per kilogram
OU: operable unit
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran

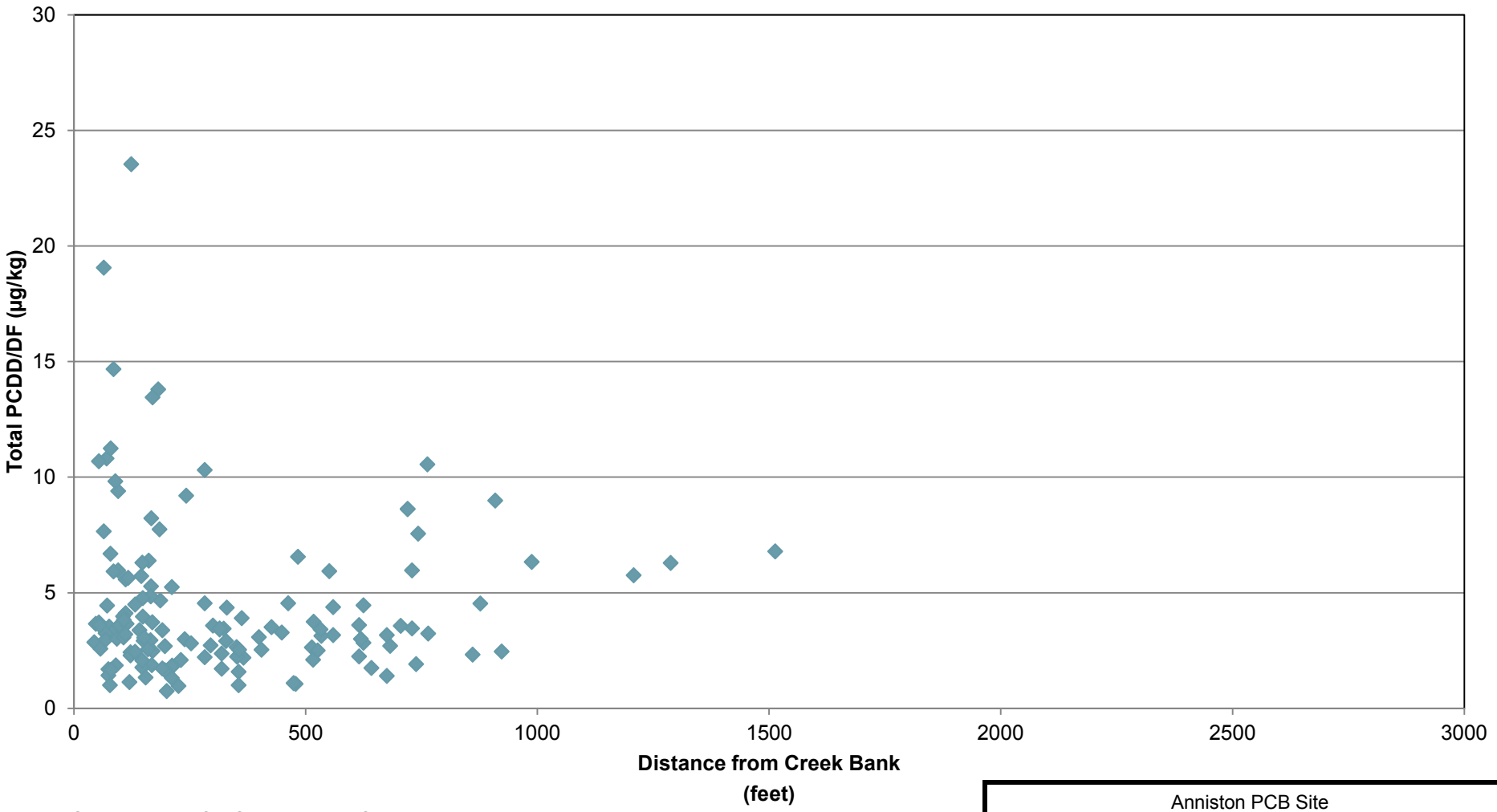
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Total PCDD/DF Concentrations in Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure 5-4



µg/kg: micrograms per kilogram
OU: operable unit
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

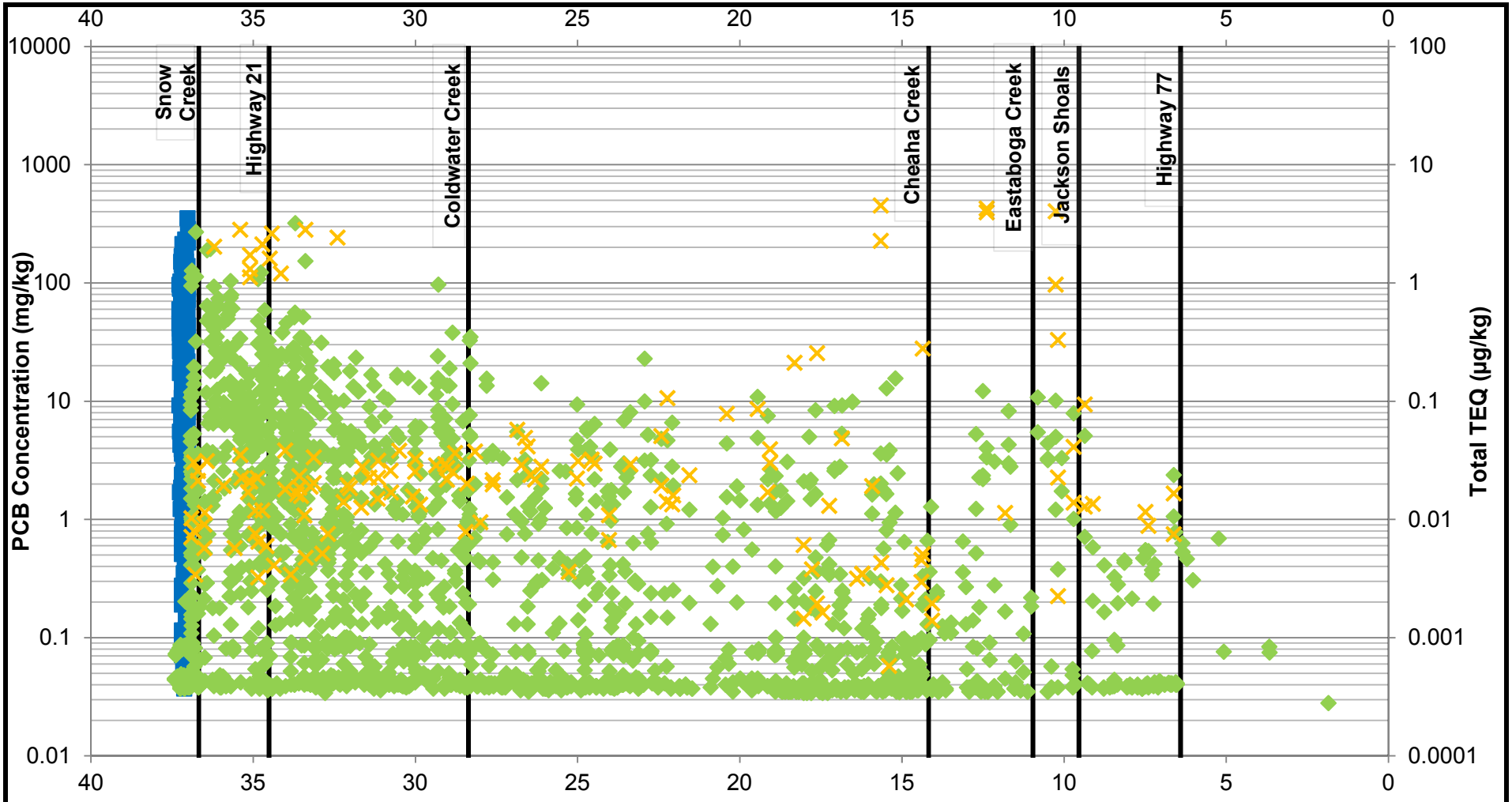
Total PCDD/DF Concentrations in Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure

5-5

8/19/2019
\\arcadis-us\officedata\Fairport-NY\Projects\Anniston\OU-4 RI 2019\Soil_PCB_Hg_TEQ_Distance_by_Area_20190819Fig 5b TEQ Dist ND=0



OU-4 PCB Results for Snow Creek Floodplain

OU-4 PCB Results for Choccolocco Creek Floodplain

Total TEQ ND = 0 (µg/kg)

Notes:
µg/kg: micrograms per kilogram
mg/kg: milligrams per kilogram
ND: nondetect
PCB: polychlorinated biphenyl
Total TEQ: sum of dioxin-like PCB Congeners and dioxin/furan toxicity equivalents (mammal)

Anniston PCB Site
Anniston, Alabama

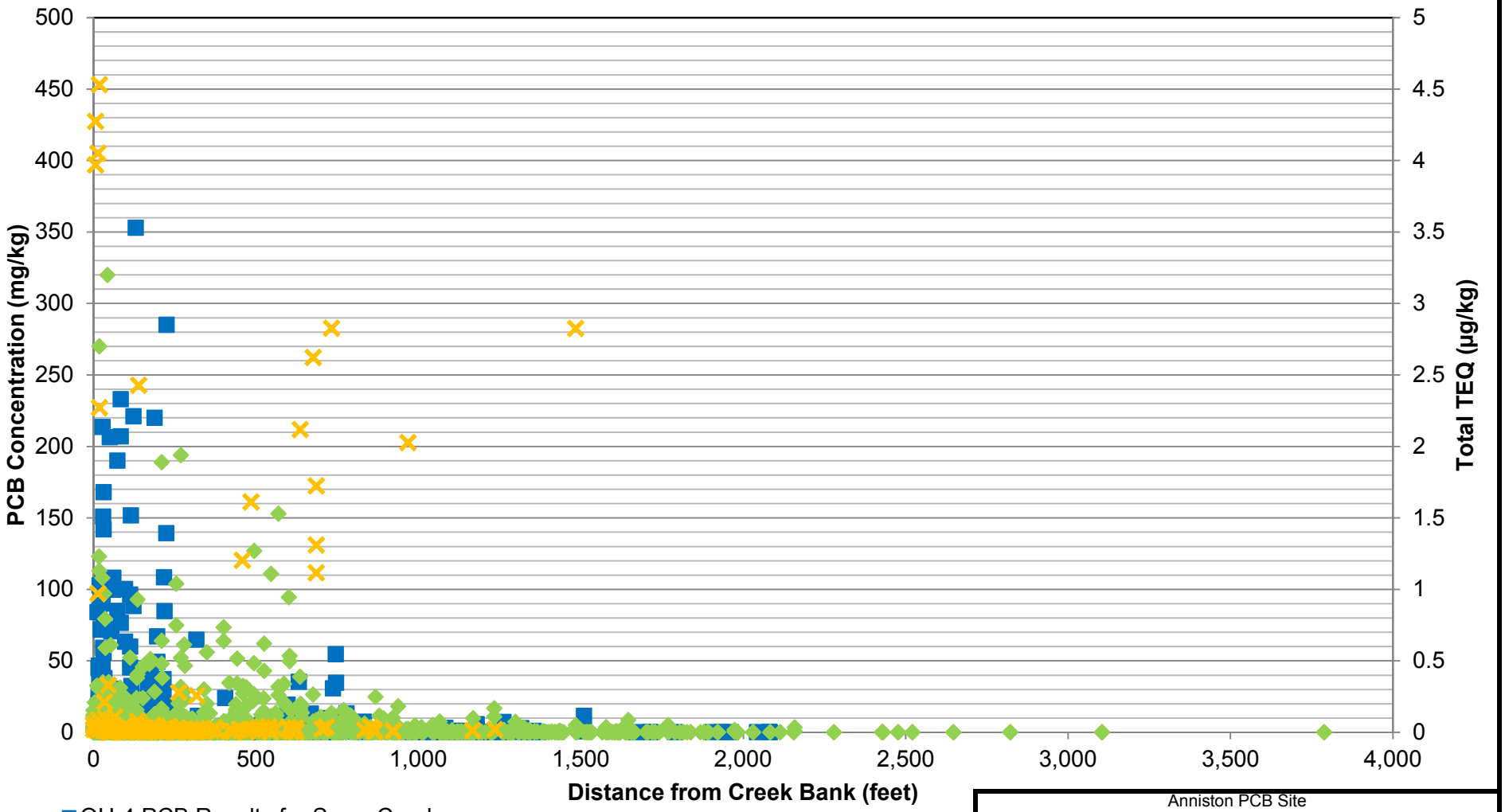
Remedial Investigation Report for OU-4

PCB and TEQ Concentrations in OU-4 Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure
5-6

8/19/2019
\\arcadis-us\officedata\Fairport-NY\Projects\Anniston\OU-4 RI 2019\Soil_PCB_Hg_TEQ_Distance_by_Area_20190819Fig 6b TEQ bank ND=0



Notes:
µg/kg: micrograms per kilogram
mg/kg: milligrams per kilogram
ND: nondetect
PCB: polychlorinated biphenyl
Total TEQ: sum of dioxin-like PCB congeners and dioxin/furan toxicity equivalents (mammal)

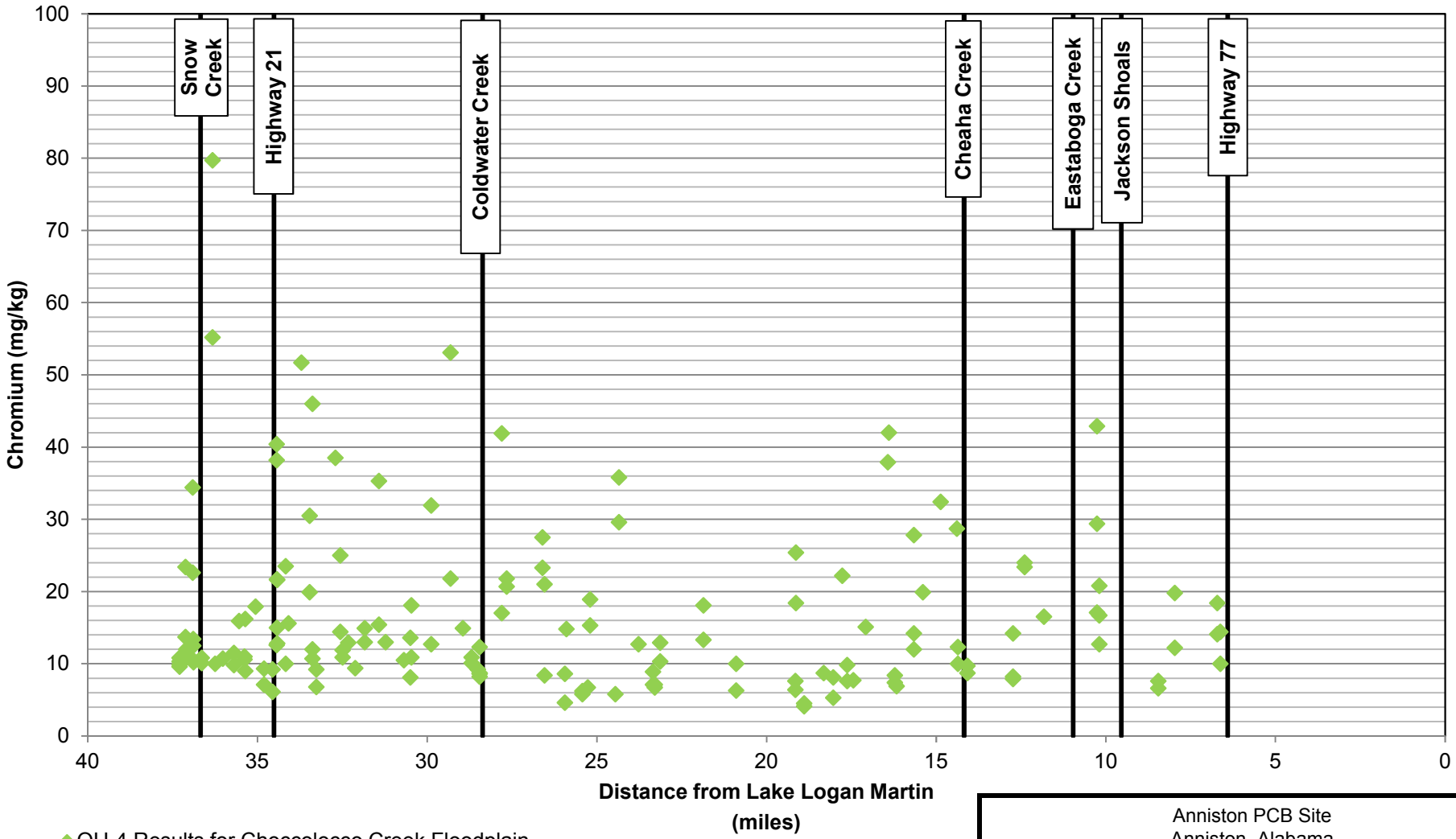
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB and TEQ Concentrations in OU-4 Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure
5-7



mg/kg: milligrams per kilogram
OU: operable unit

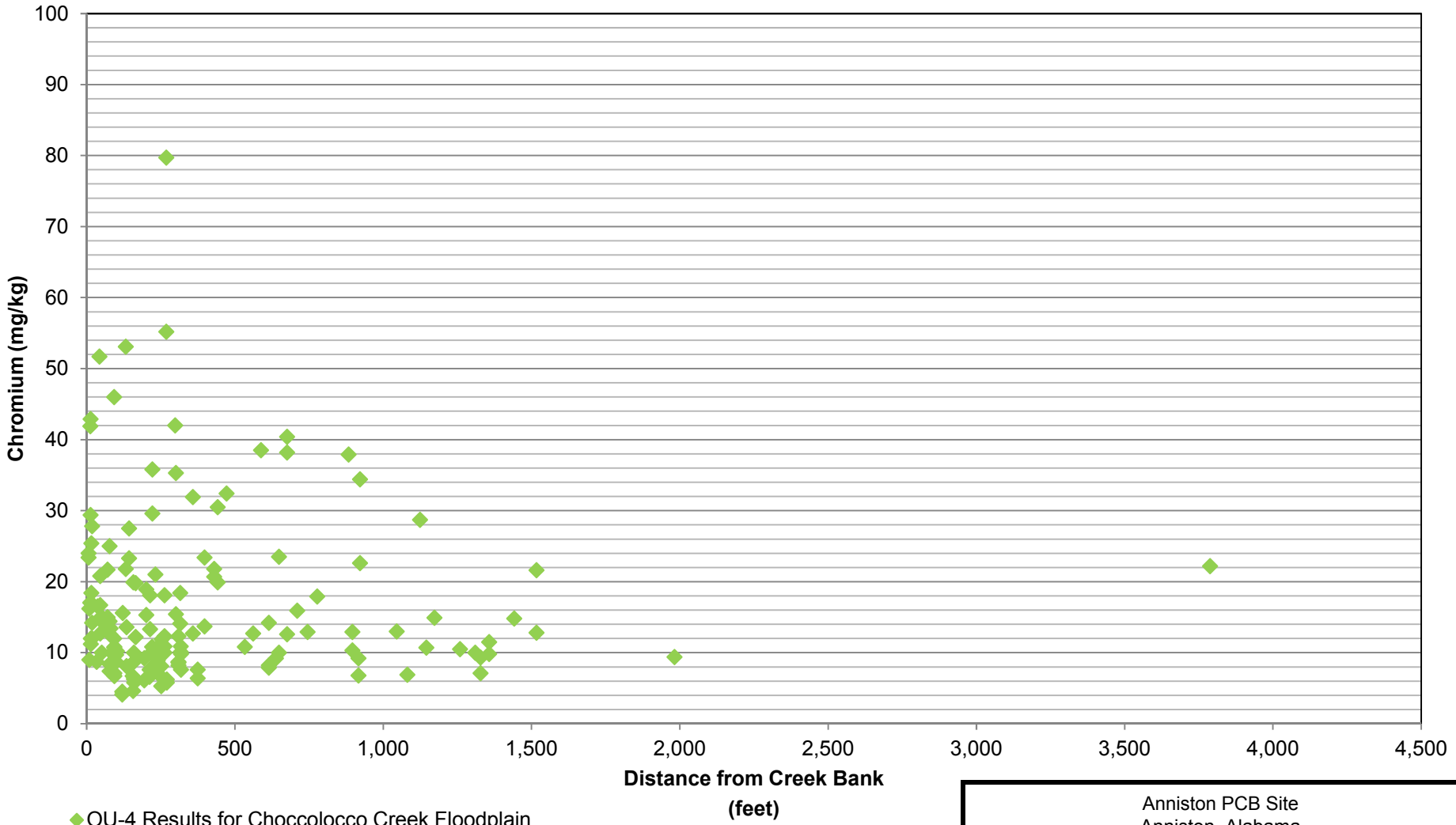
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Chromium Concentrations in OU-4 Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure
5-8



mg/kg: milligrams per kilogram
OU: operable unit

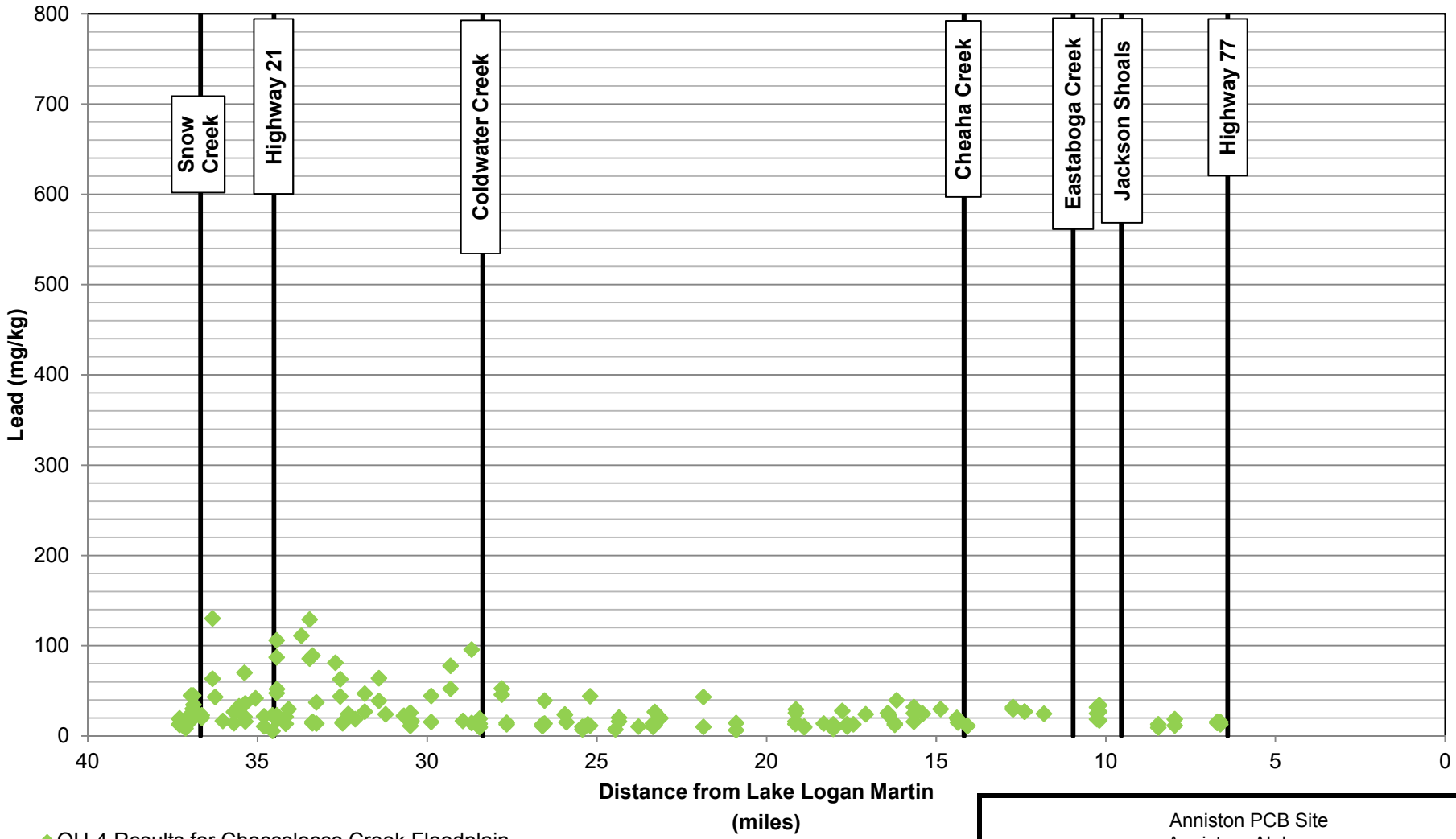
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Chromium Concentrations in OU-4 Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure
5-9



mg/kg: milligrams per kilogram
OU: operable unit

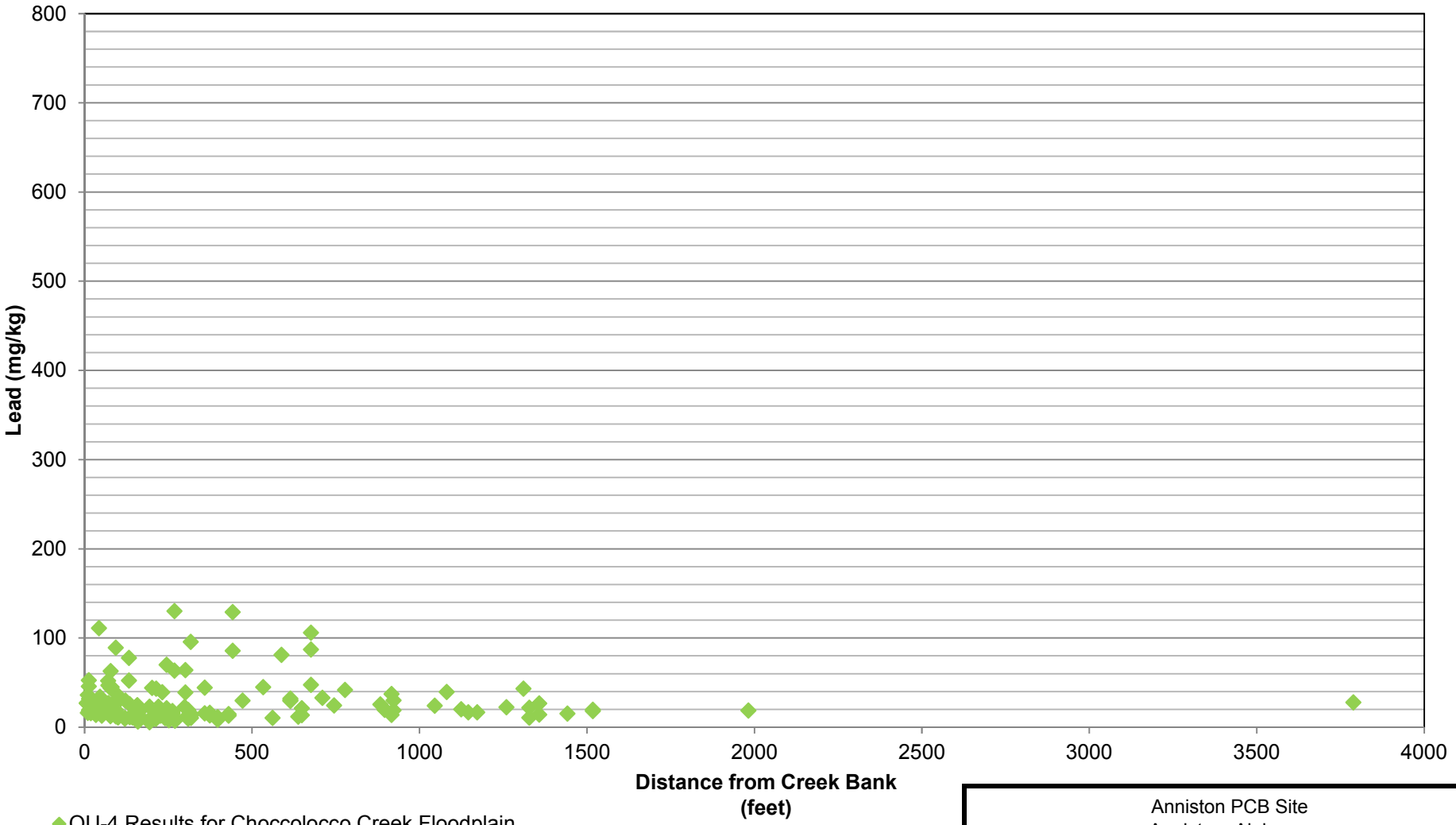
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Lead Concentrations in OU-4 Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure 5-10



mg/kg: milligrams per kilogram
OU: operable unit

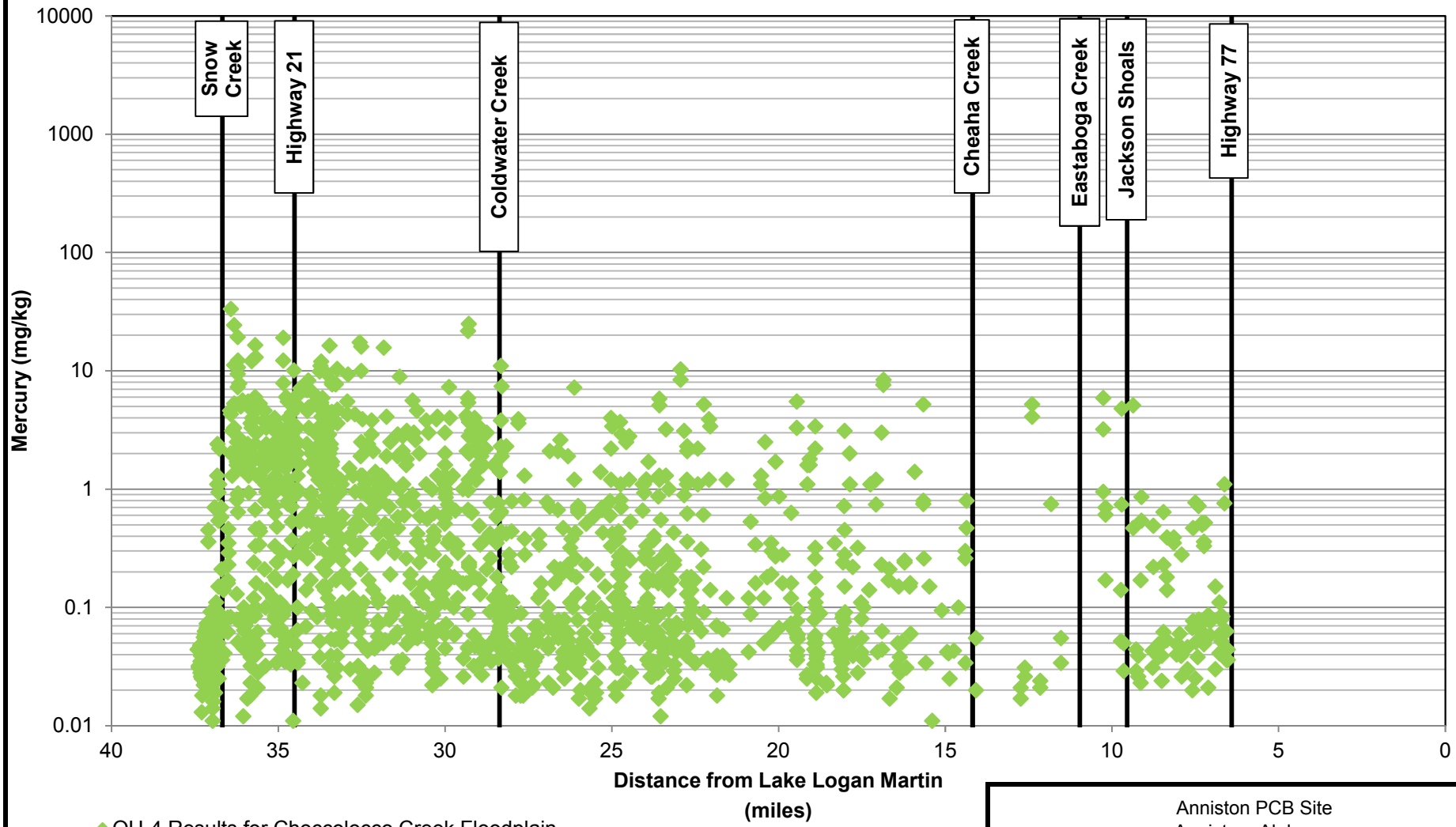
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Lead Concentrations in OU-4 Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure
5-11



mg/kg: milligrams per kilogram
OU: operable unit

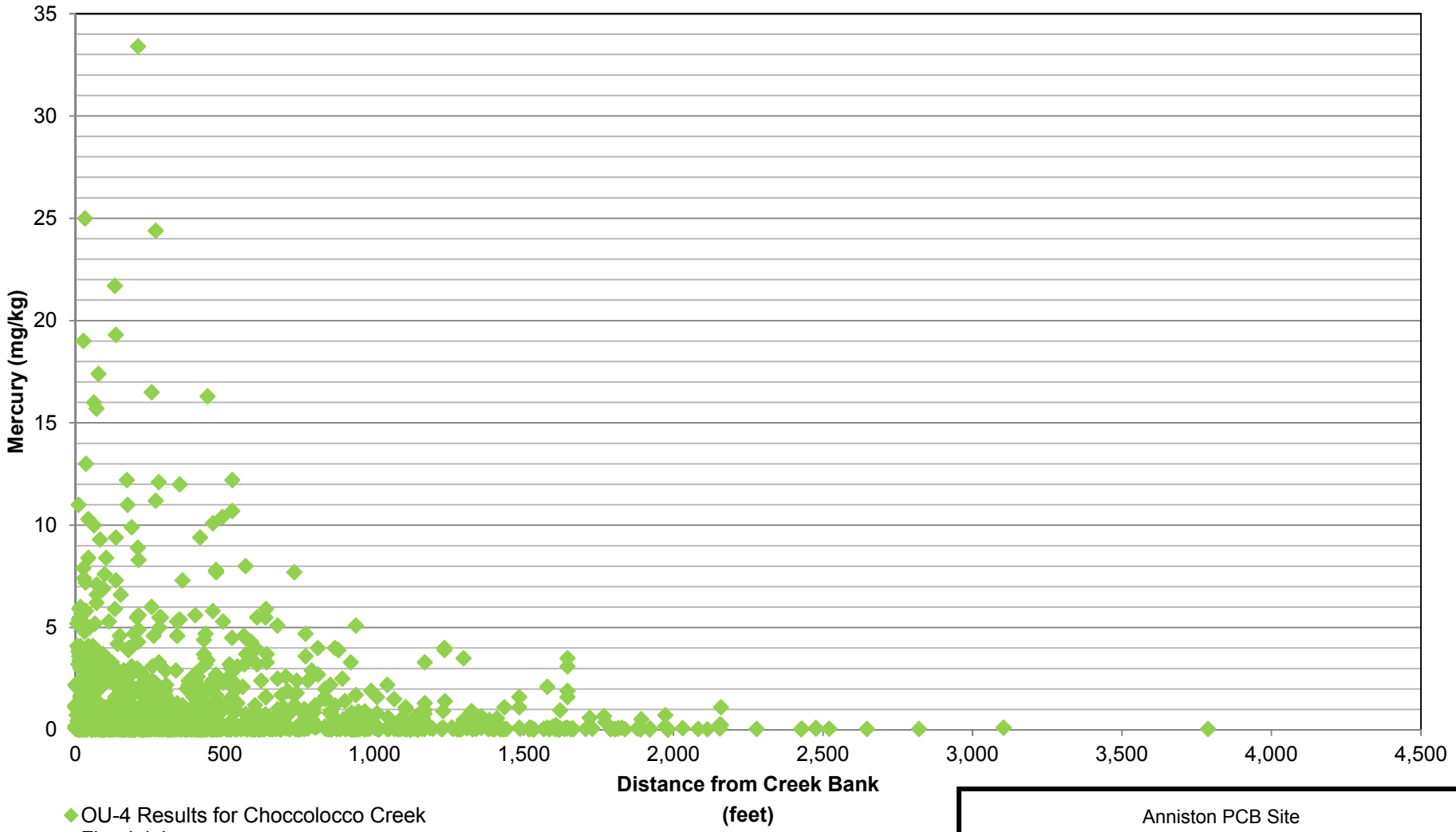
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Mercury Concentrations in OU-4 Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure 5-12



mg/kg: milligrams per kilogram
OU: operable unit

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Anniston, Alabama

Remedial Investigation Report for OU-4

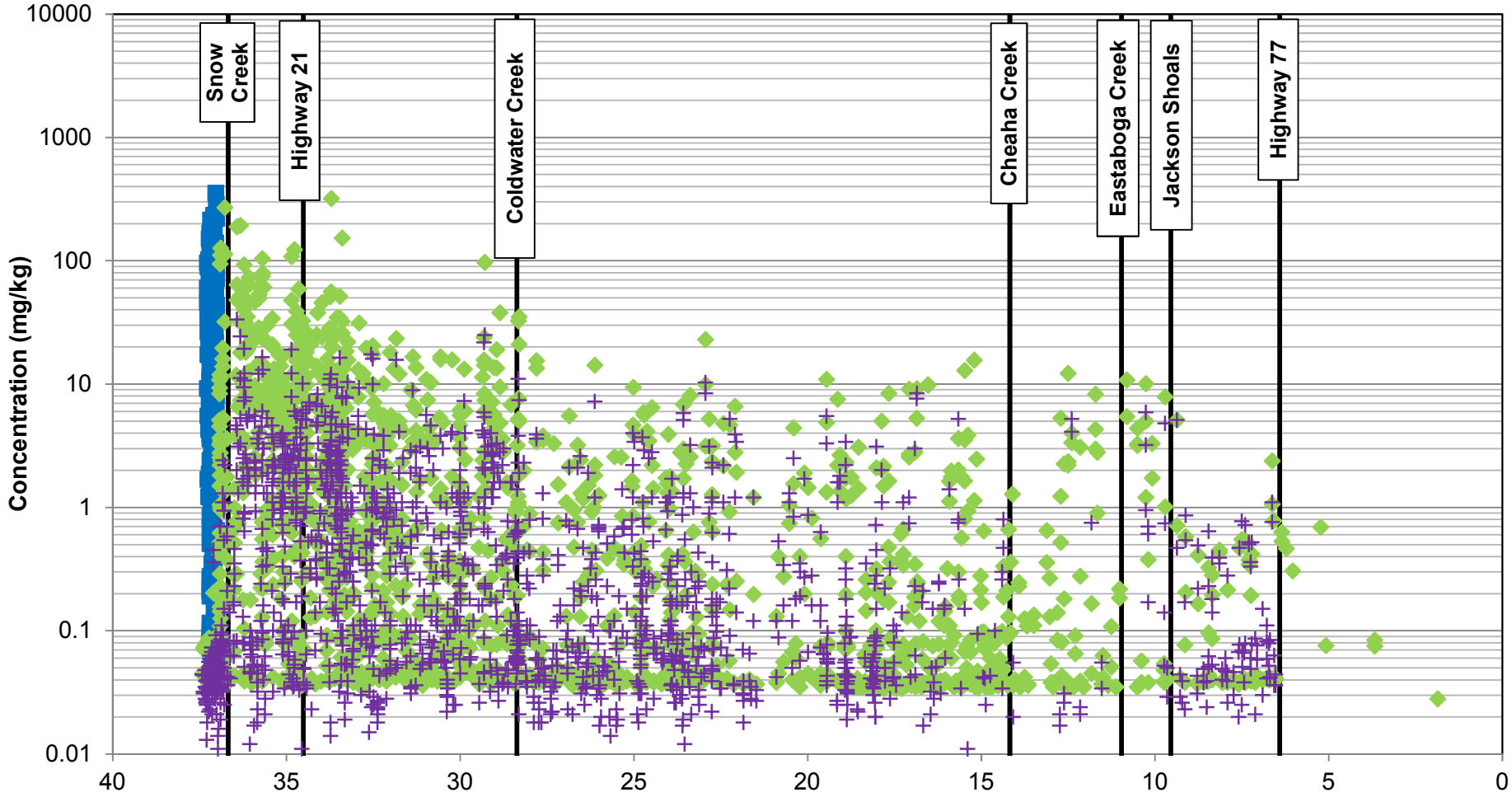
Mercury Concentrations in OU-4 Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure

5-13

8/19/2019
\\arcadis-us\officedata\Fairport-NY\Projects\Anniston\OU-4 RI 2019\Soil_PCB_Hg_TEQ_Distance_by_Area_20190819Fig 2 Hg Dist



OU-4 PCB Results for Snow Creek Floodplain

OU-4 PCB Results for Choccolocco Creek Floodplain

OU-4 Mercury Results

Notes:
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

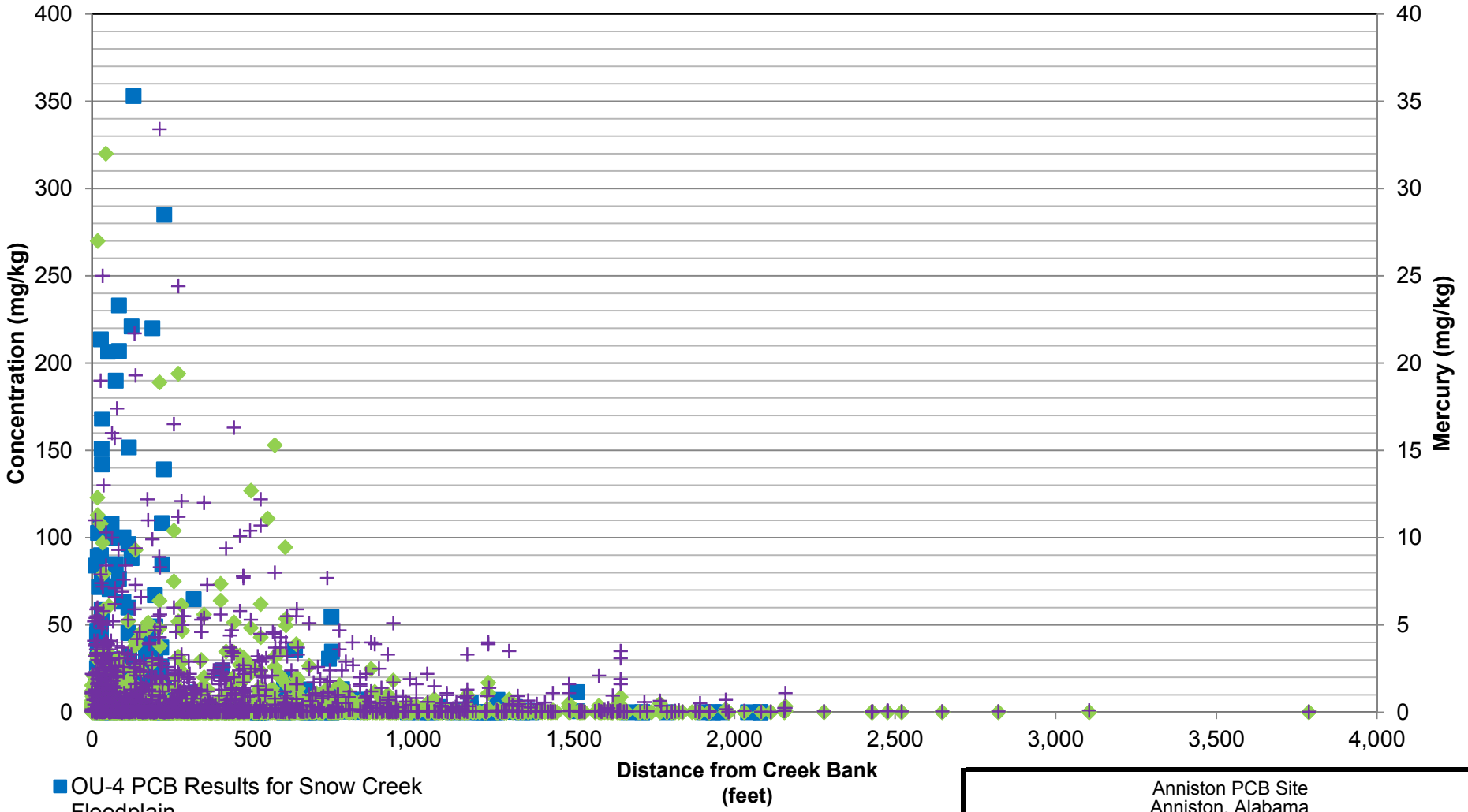
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Anniston, Alabama

Remedial Investgation Report for OU-4

PCB and Mercury Concentrations in OU-4 Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure
5-14



Notes:
mg/kg: milligrams per kilogram
ft: feet
PCB: polychlorinated biphenyl

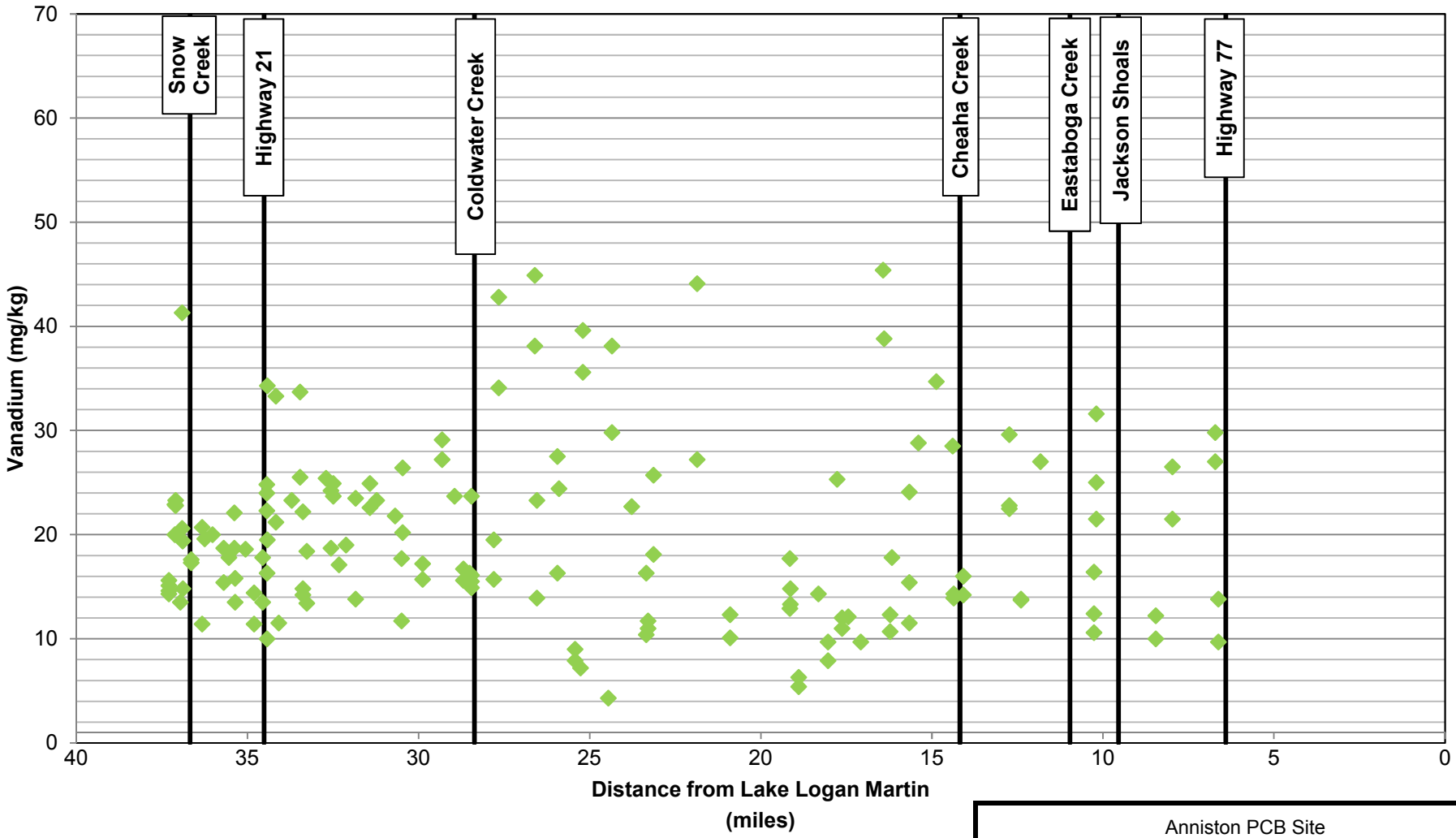
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB and Mercury Concentrations in OU-4 Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure
5-15



mg/kg: milligrams per kilogram
OU: operable unit

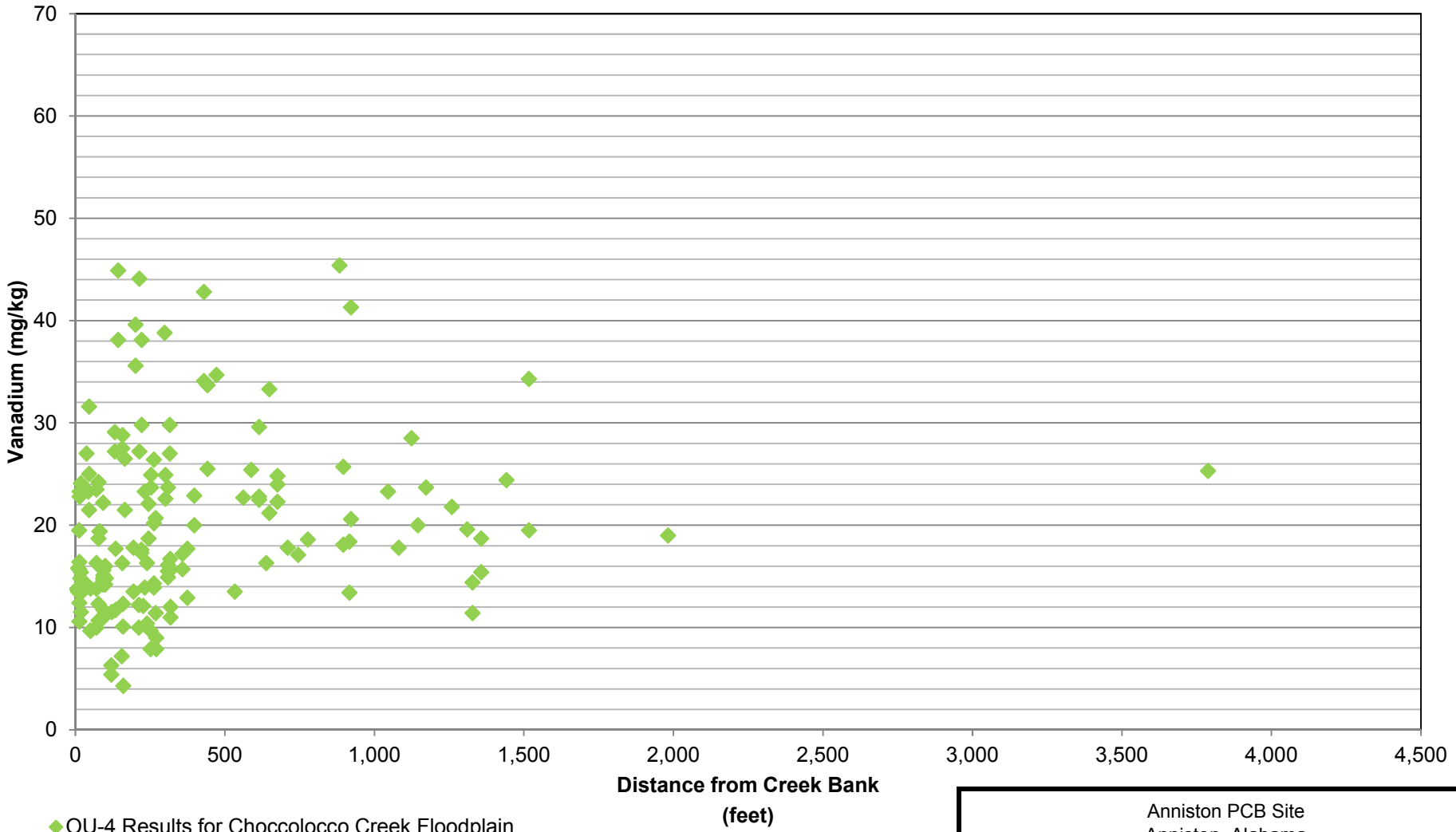
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Vanadium Concentrations in OU-4 Soil with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure 5-16



mg/kg: milligrams per kilogram
OU: operable unit

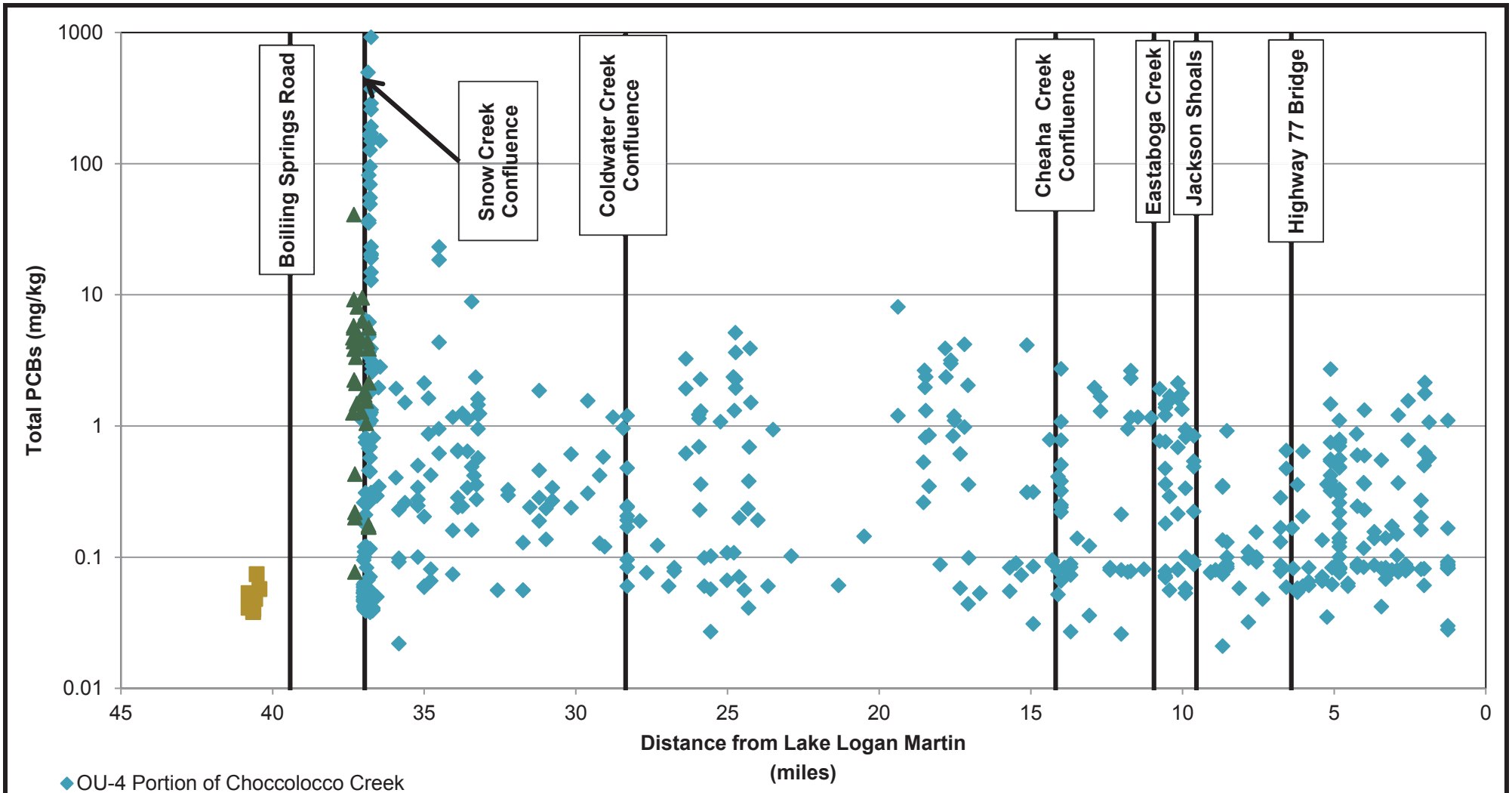
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Vanadium Concentrations in OU-4 Soil with Distance from Creek Bank

Solutia
Ingenuity Productivity Performance

Figure
5-17



mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

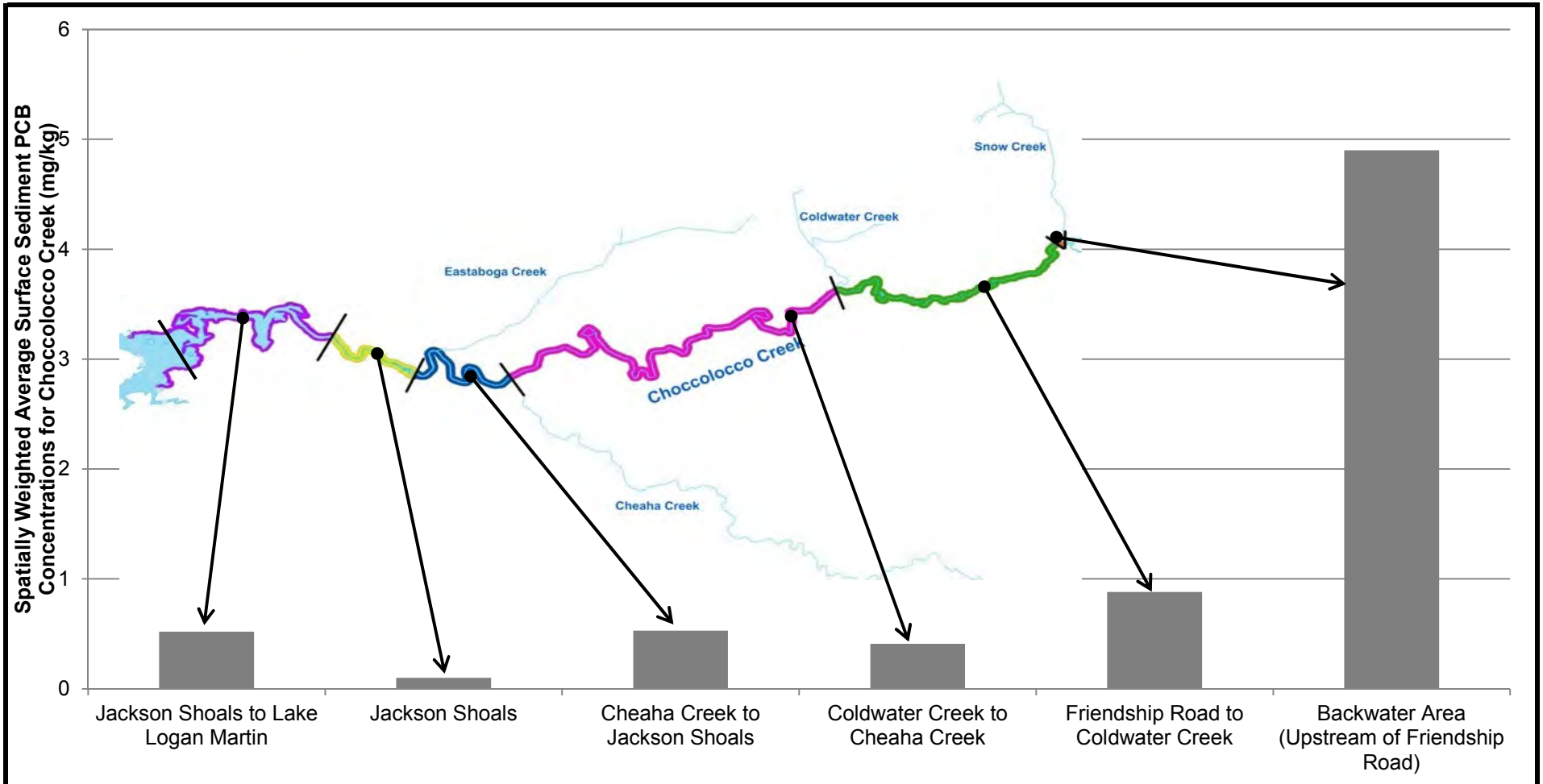
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Total PCB Concentrations in Sediment with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure 5-18



mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

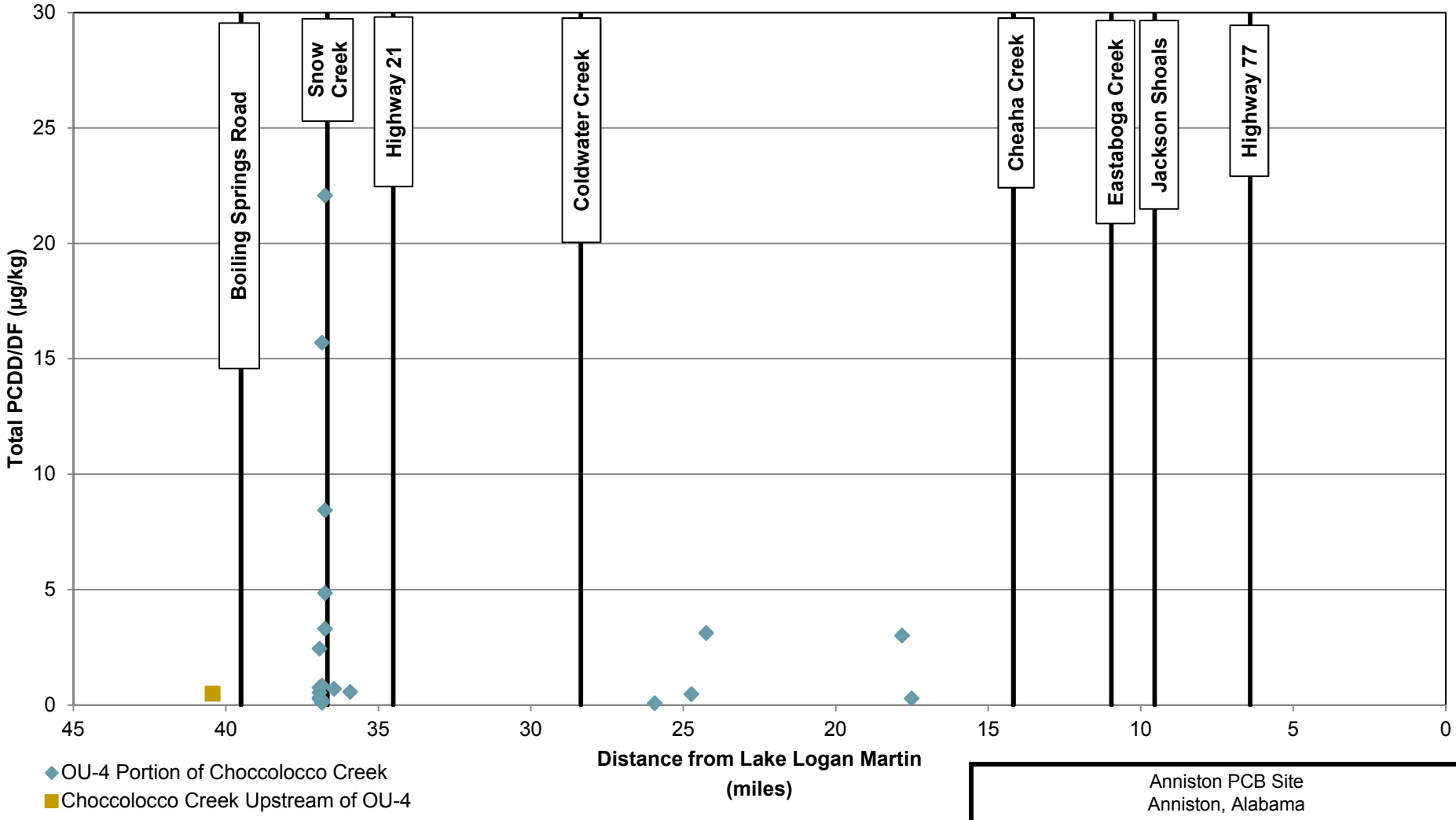
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Spatially Weighted Average Surface Sediment Concentrations for Choccolocco Creek

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Figure
5-19



µg/kg: micrograms per kilogram
OU: operable unit
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofuran

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Anniston, Alabama

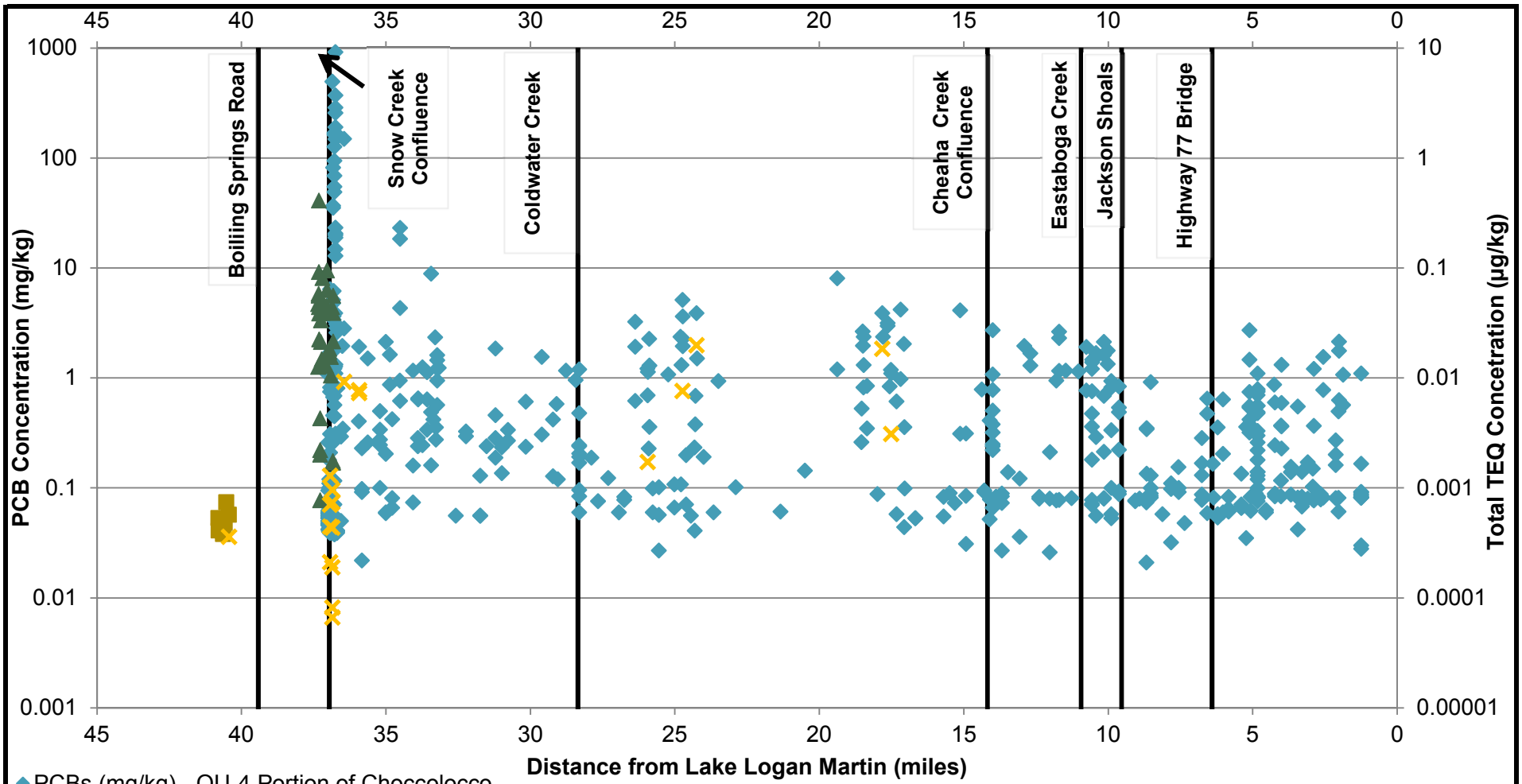
Remedial Investigation Report for OU-4

Total PCDD/DF Concentrations in Choccolocco Creek Sediment with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure 5-20

8/19/2019
\\arcadis-us\officedata\Fairport-NY\Projects\Anniston\OU-4 RI 2019\Sed_PCB_Hg_TEQDistance_by_Area_20190819Figure 4b_TEQ ND0



- PCBs (mg/kg) - OU-4 Portion of Choccolocco Creek
- PCBs (mg/kg) - Choccolocco Creek Upstream of OU-4
- PCBs (mg/kg) - OU-4 Portion of Snow Creek
- Total TEQ ND = 0 (µg/kg)

Notes:
µg/kg: milligrams per kilogram
mg/kg: milligrams per kilogram
ND: nondetect
PCB: polychlorinated biphenyl
Total TEQ: sum of dioxin-like PCB congeners and dioxin/furan toxicity equivalents (mammal)

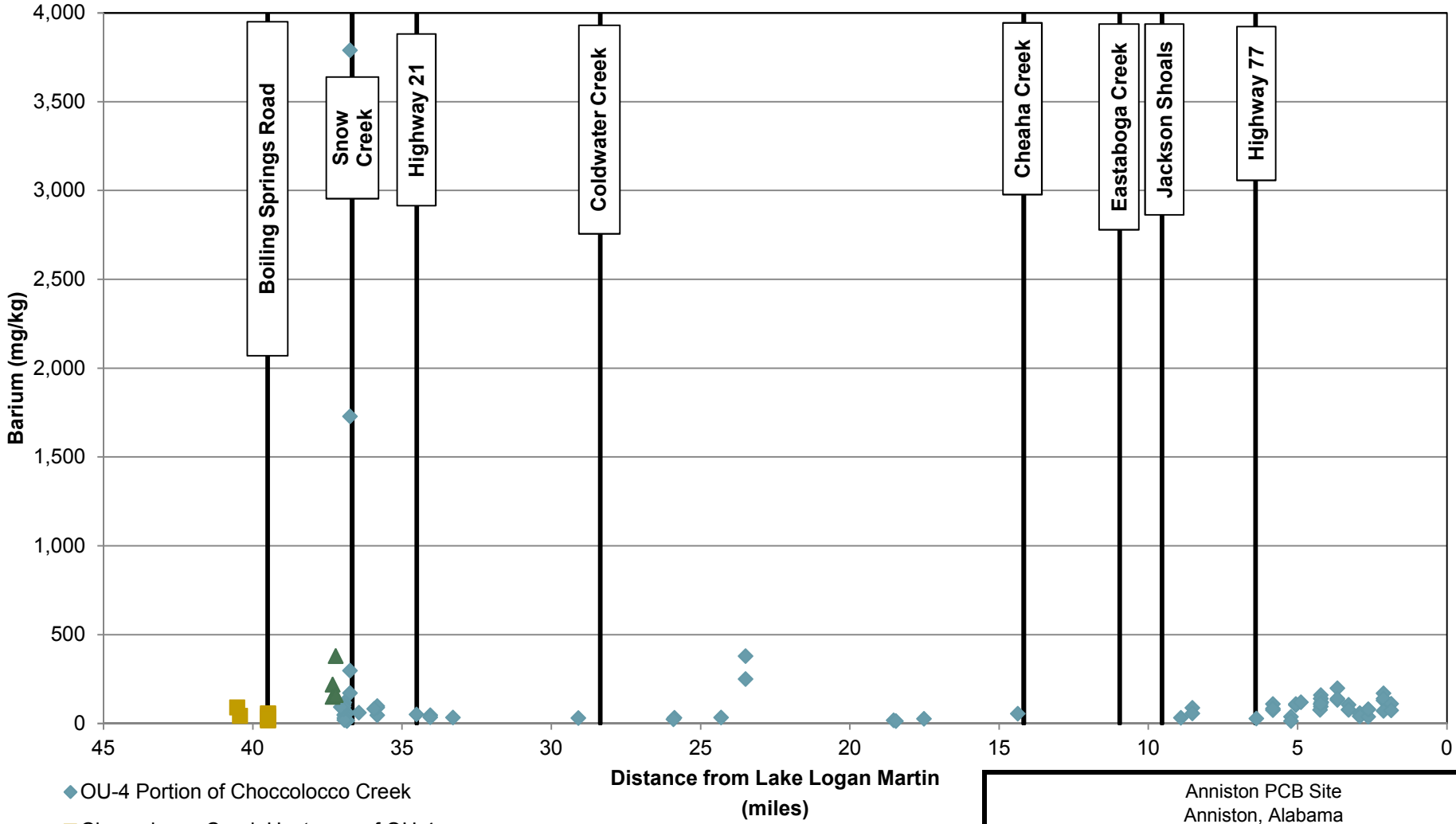
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB and TEQ Concentrations in Choccolocco Creek Sediment with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure
5-21



mg/kg: milligrams per kilogram
OU: operable unit

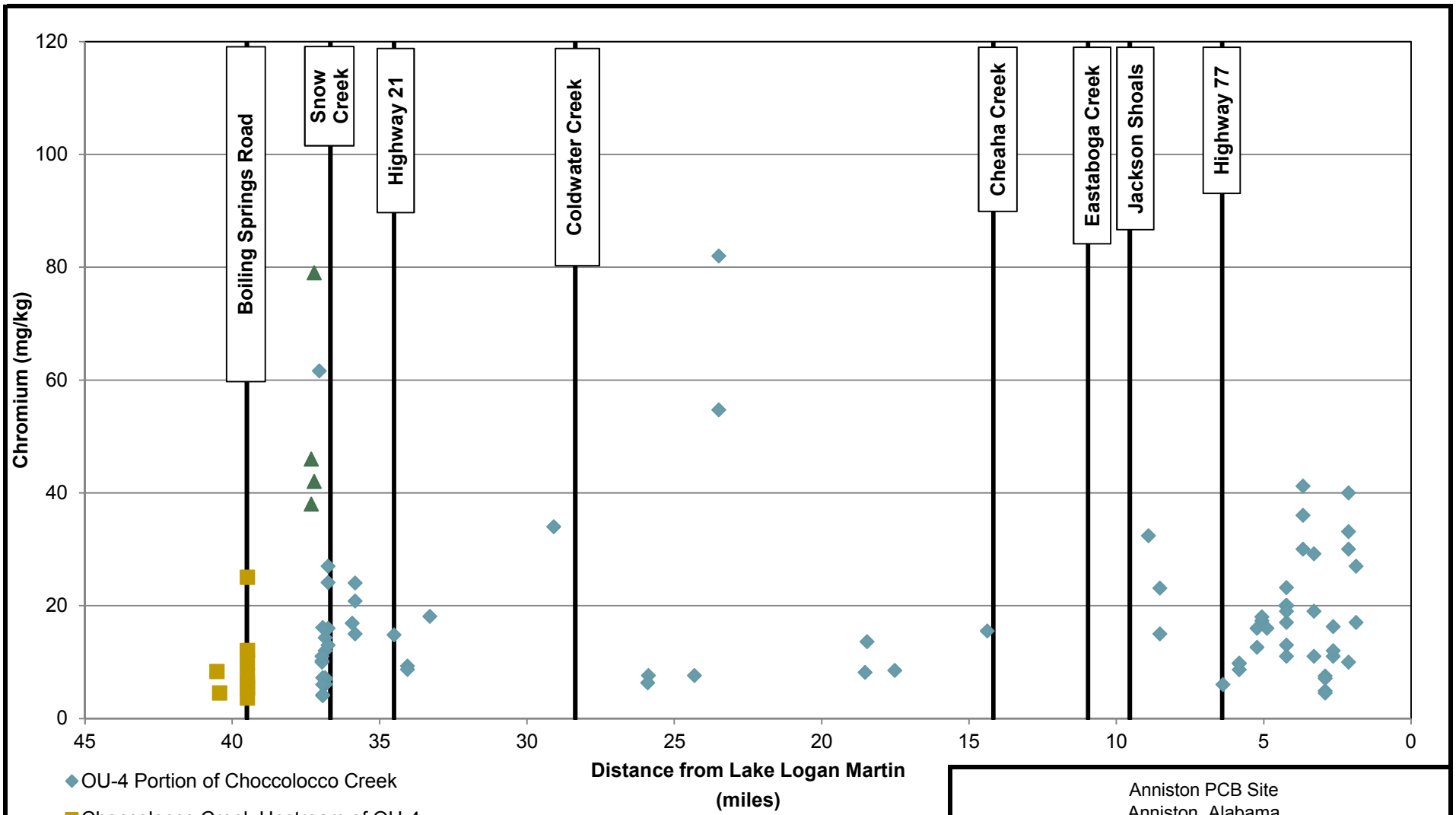
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Barium Concentrations in Sediment with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure
5-22



mg/kg: milligrams per kilogram
OU: operable unit

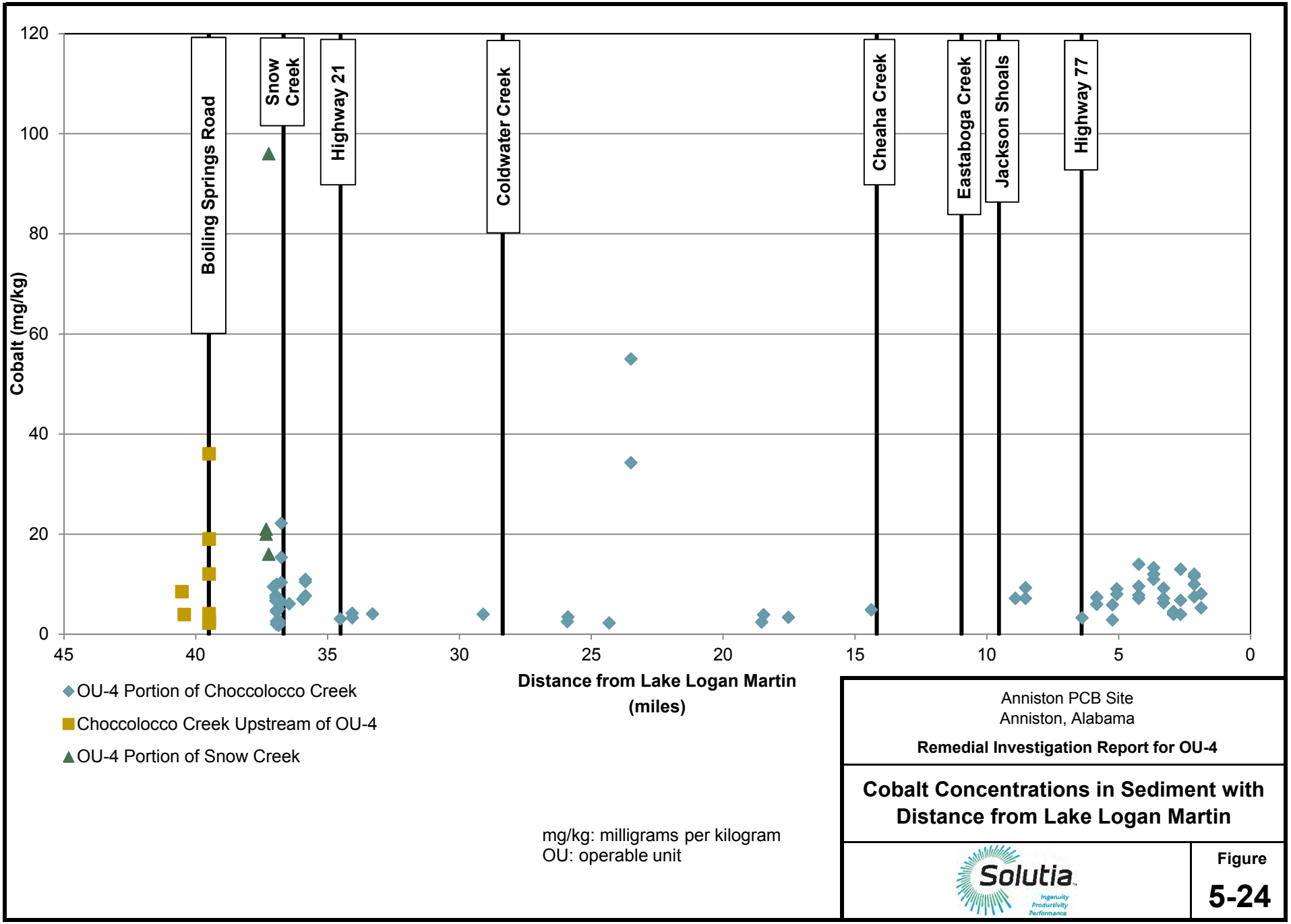
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Chromium Concentrations in Sediment with Distance from Lake Logan Martin

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Ingenuity Productivity Performance

Figure 5-23



mg/kg: milligrams per kilogram
OU: operable unit

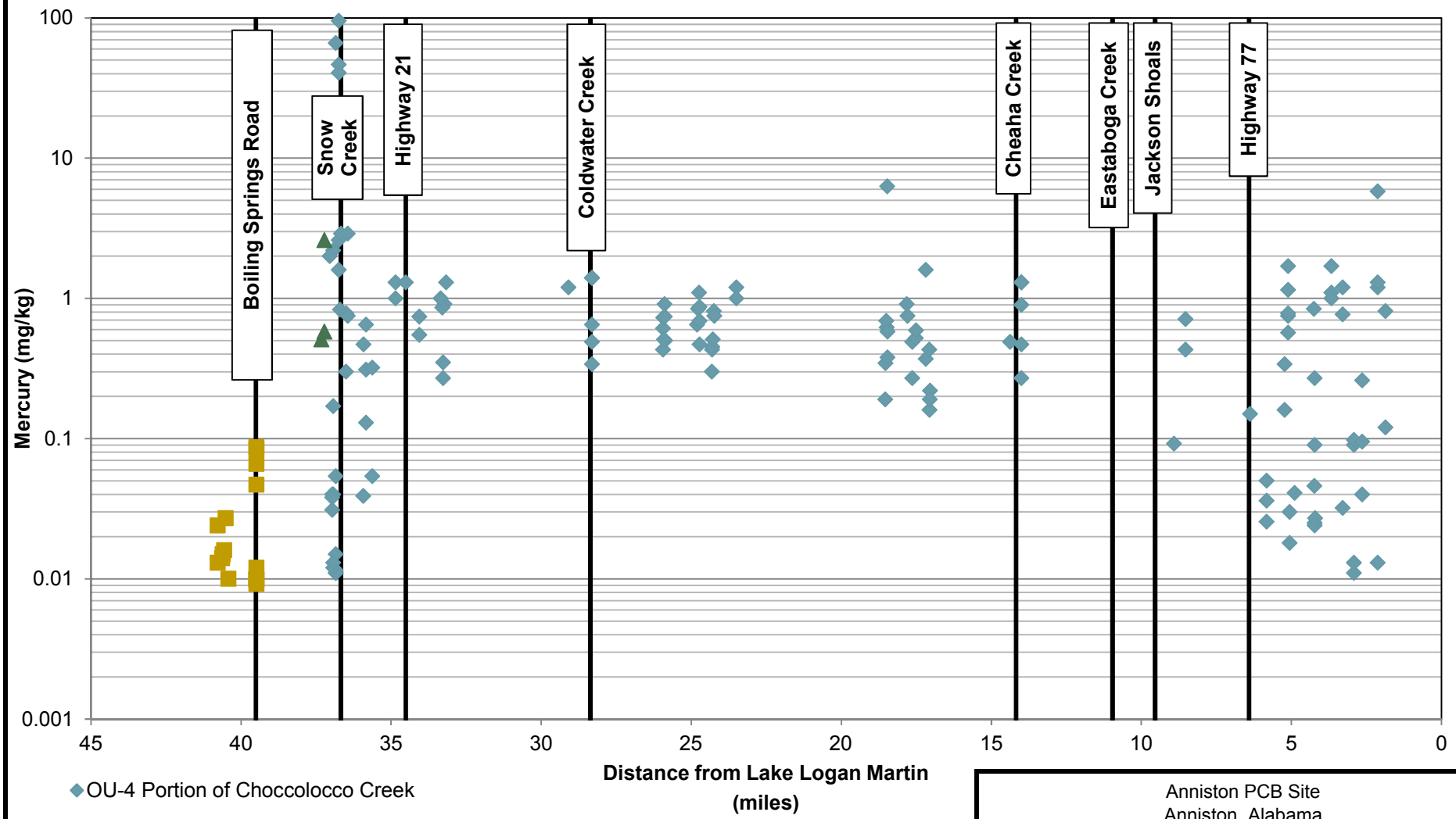
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Anniston, Alabama

Remedial Investigation Report for OU-4

Cobalt Concentrations in Sediment with Distance from Lake Logan Martin

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Ingenuity Productivity Performance

Figure
5-24



mg/kg: milligrams per kilogram
OU: operable unit

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Anniston, Alabama

Remedial Investigation Report for OU-4

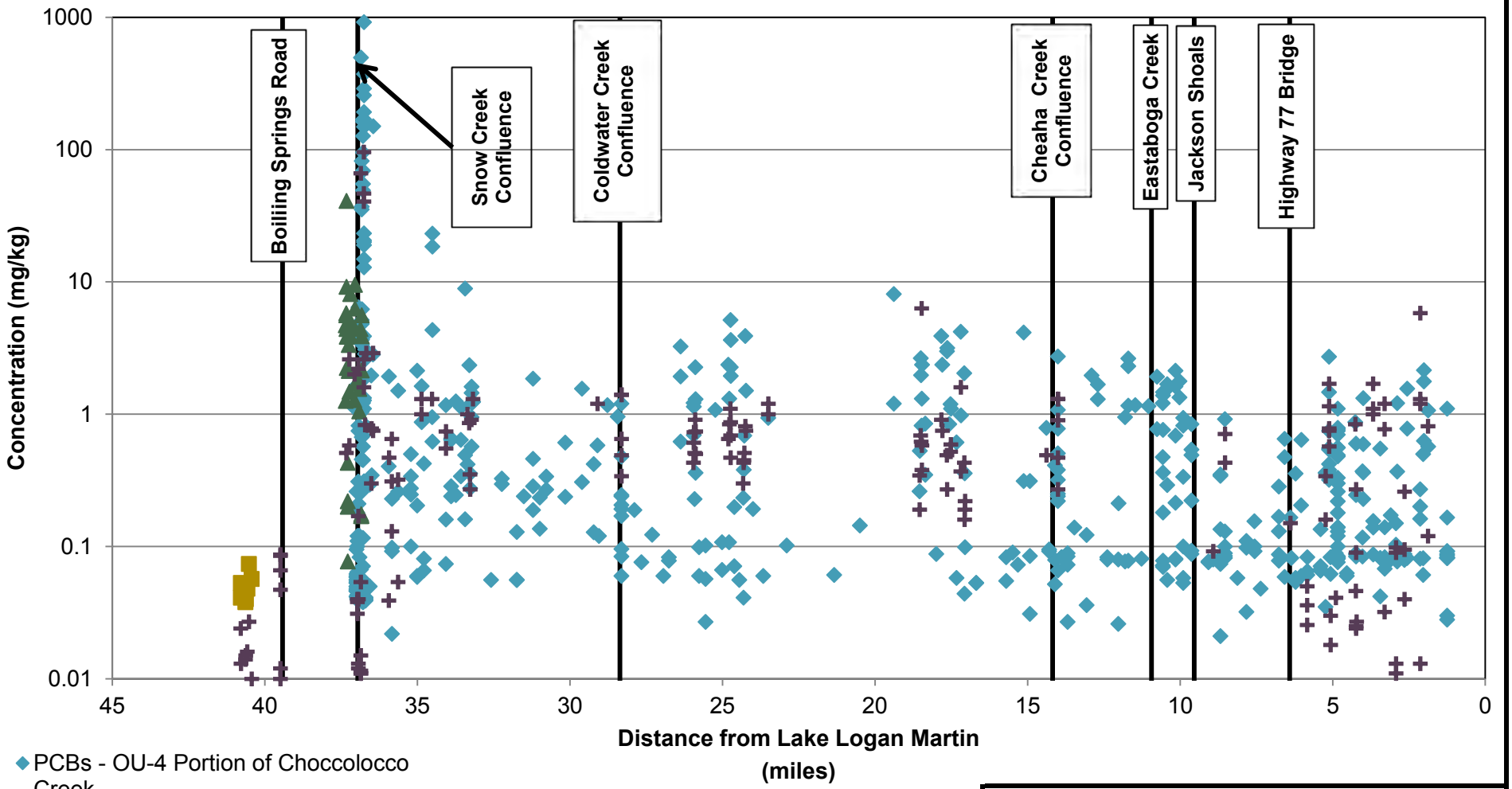
Mercury Concentrations in Sediment with Distance from Lake Logan Martin

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Ingenuity Productivity Performance

Figure

5-25

5/7/2019
C:\Users\mshivell\Documents\anniston\OU-4\OU-4 RI 2019\Sed_PCB_Hg_TEQDistance_by_Area_20190506.xlsxFigure 1_Hg



Notes:
mg/kg: milligrams per kilogram
mi: miles
PCB: polychlorinated biphenyl

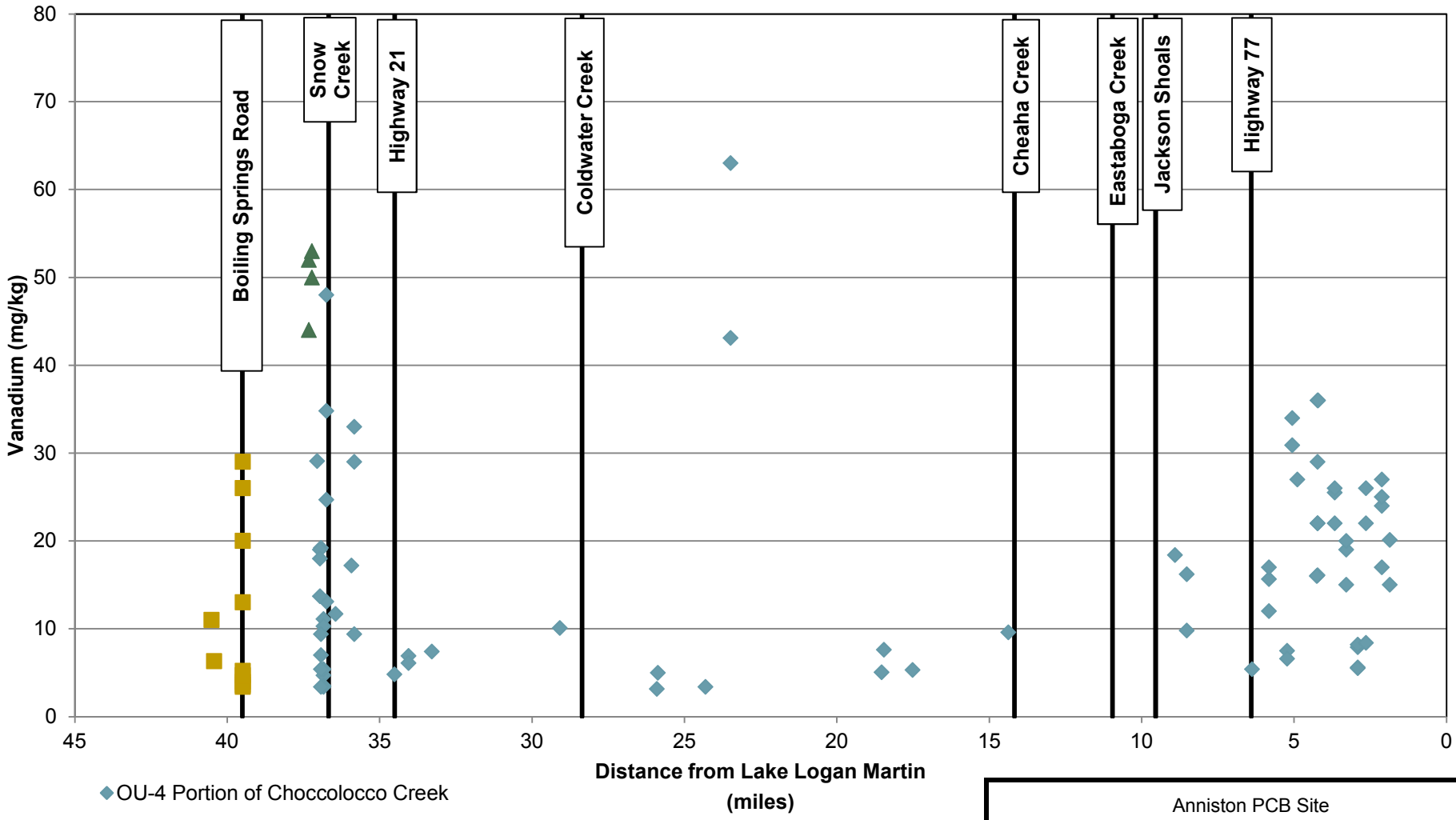
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Total PCB and Mercury Concentrations in Sediment with Distance from Lake Logan Martin

Solutia
Ingenuity Productivity Performance

Figure
5-26



mg/kg: milligrams per kilogram
OU: operable unit

Anniston PCB Site
Anniston, Alabama

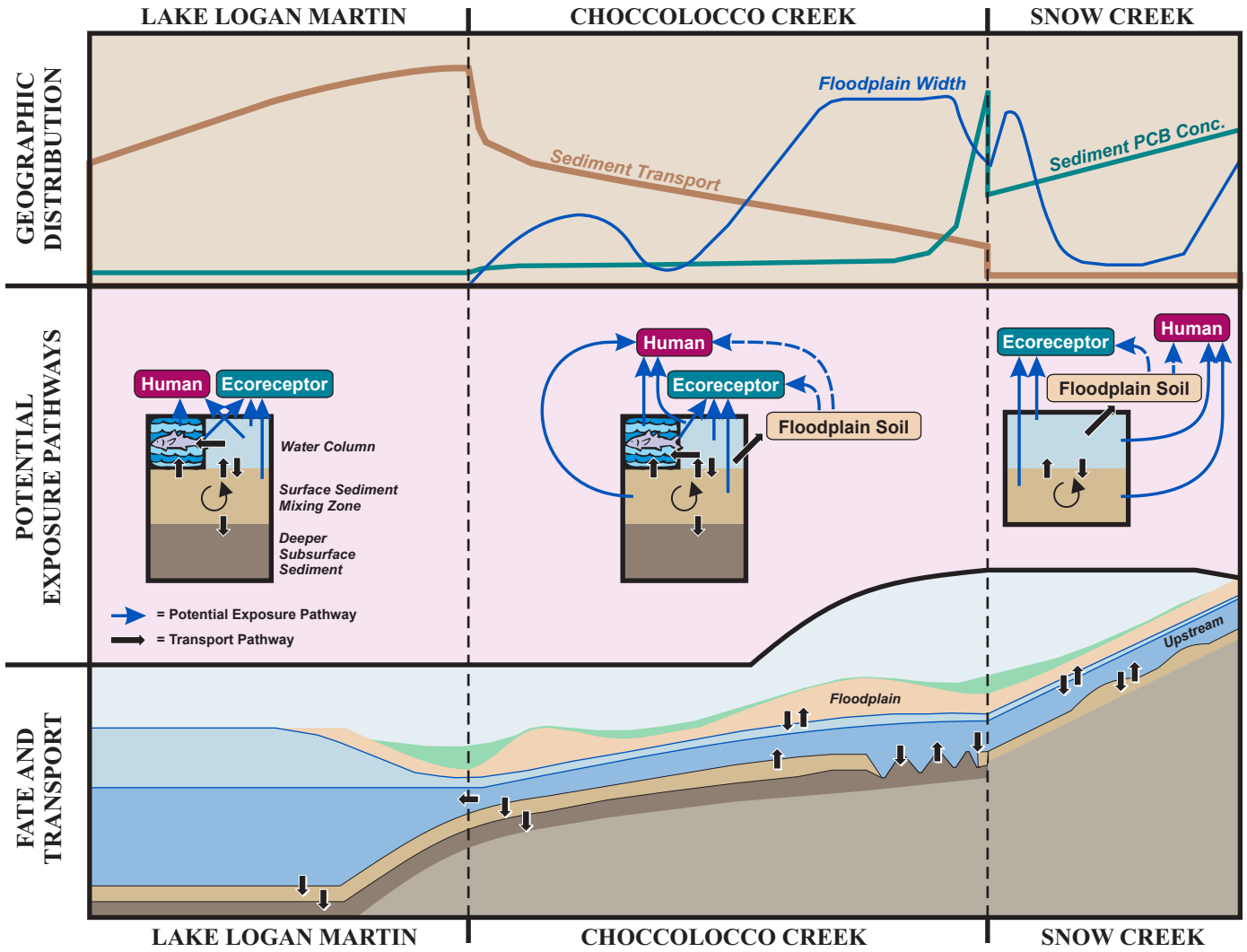
Remedial Investigation Report for OU-4

Vanadium Concentrations in Sediment with Distance from Lake Logan Martin

Solutia

Ingenuity Productivity Performance

Figure
5-27

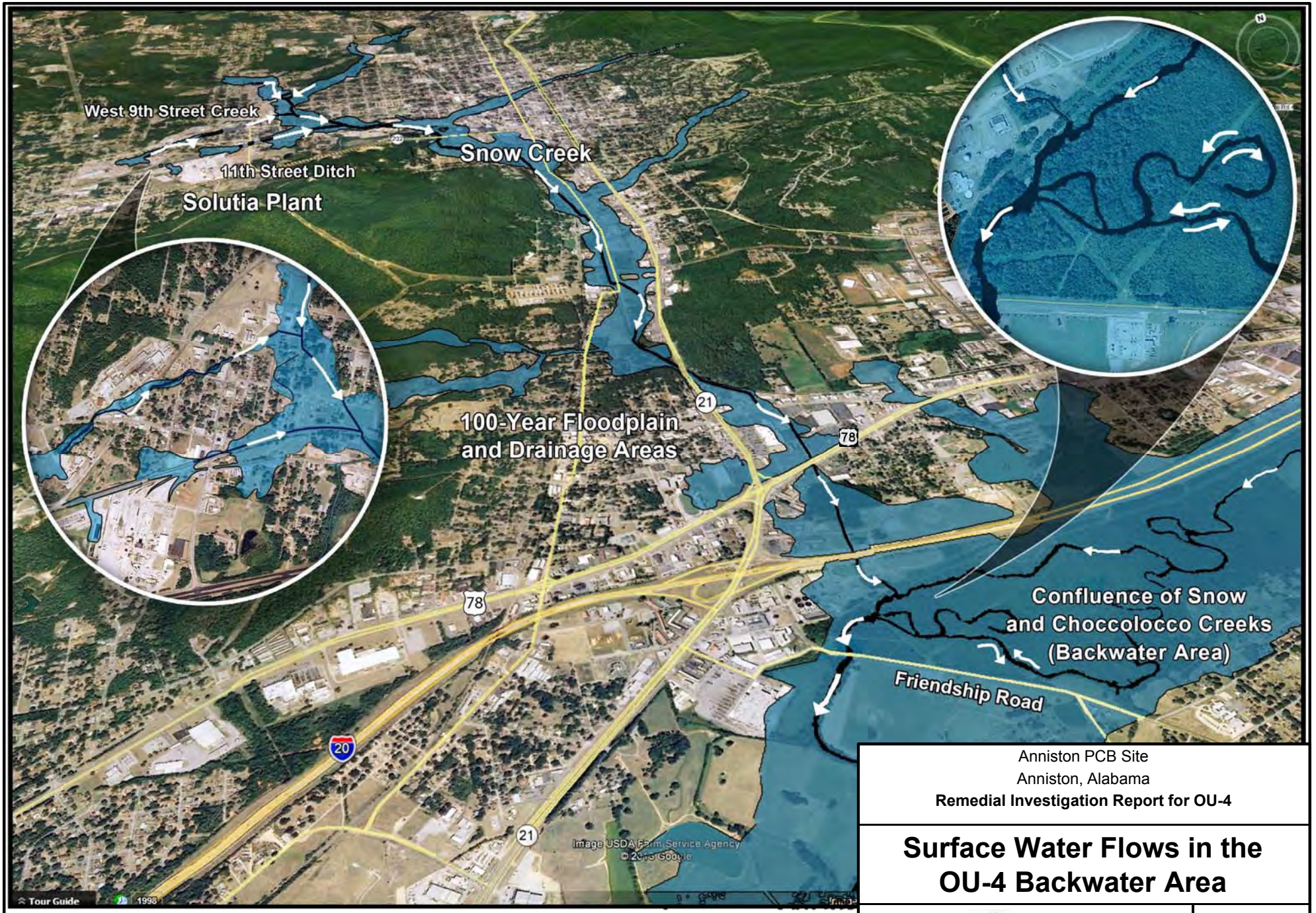


Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Conceptual Site Model

Figure
6-1



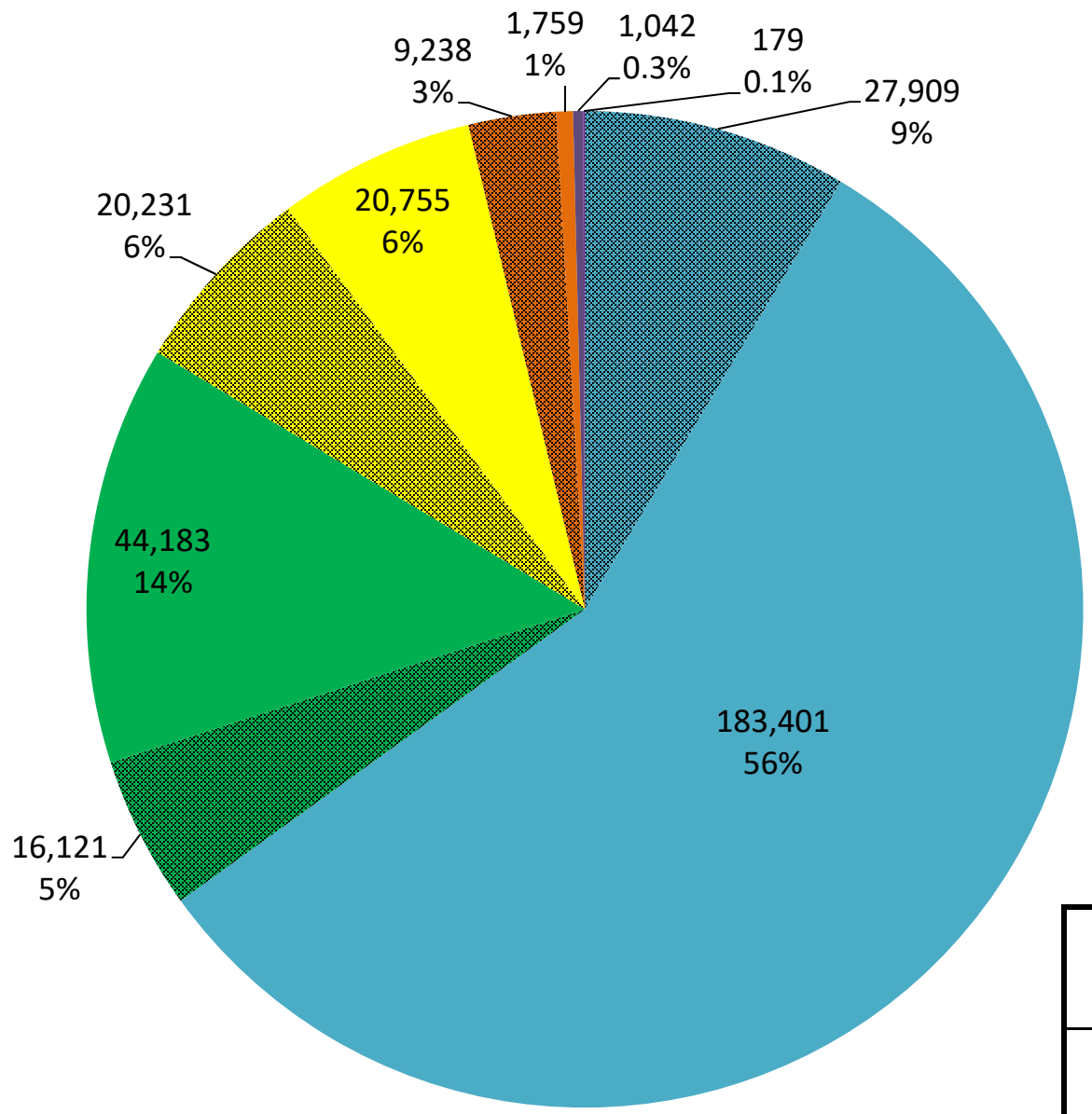
Anniston PCB Site
Anniston, Alabama
Remedial Investigation Report for OU-4

Surface Water Flows in the OU-4 Backwater Area

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Figure
6-2

Imagery Source: Google Earth
Imagery Date: 7/31/2011



linear feet
percentage of total

Note: Mile markers are shown on Figure 4-37a

Anniston PCB Site
Anniston, Alabama

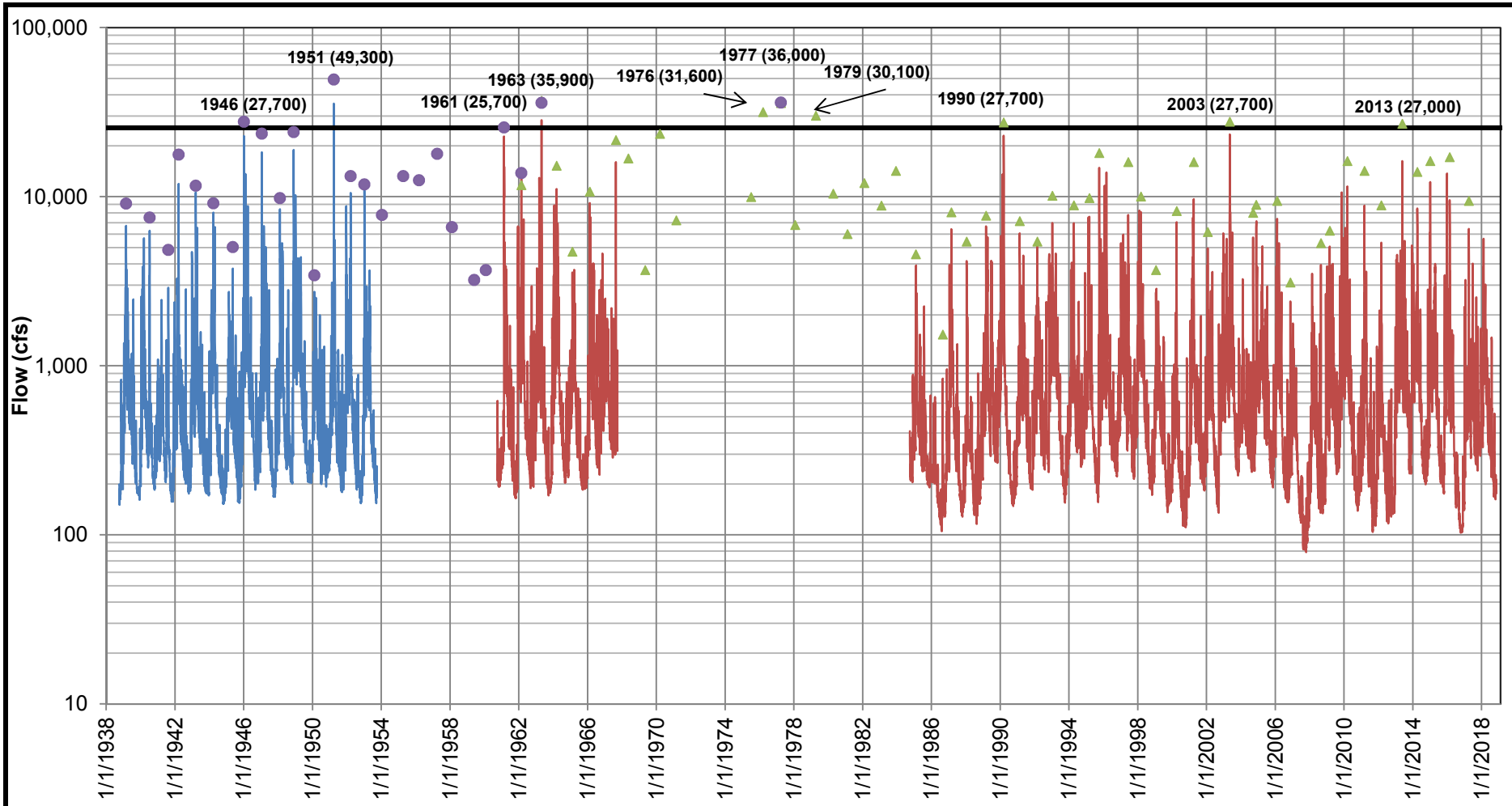
Remedial Investigation Report for OU-4

Summary of Choccolocco Creek Bank Stability Upstream and Downstream of River Mile 29.5

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Ingenuity Productivity Performance

Figure

6-3



Daily Flow at Lincoln
Daily Flow at Jackson Shoals
Peak Flows at Jackson Shoals
Peak Flows at Lincoln
10-Year Flow (25,500 cfs)

Event	Flow (cfs)
2-year	10,500
10-year	25,500
25-year	40,000
50-year	52,000
100-year	55,000

Note:
Flow data from USGS gage numbers 2404400 and 2404500.

cfs: cubic feet per second

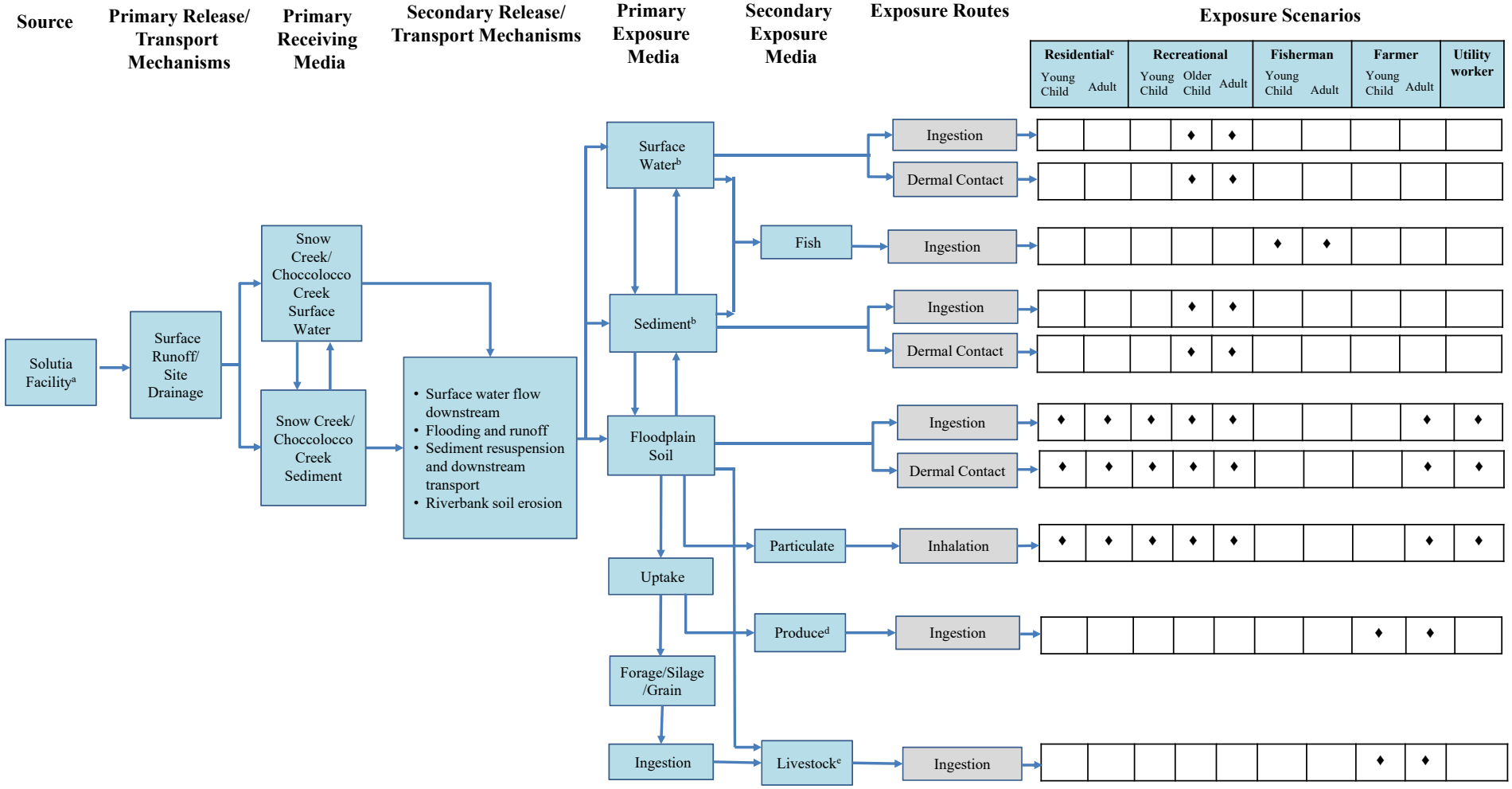
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Anniston, Alabama

Remedial Investigation Report for OU-4

Summary of Flow in Choccolocco Creek at or near Jackson Shoals

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Figure
6-4



♦ signifies a complete exposure pathway

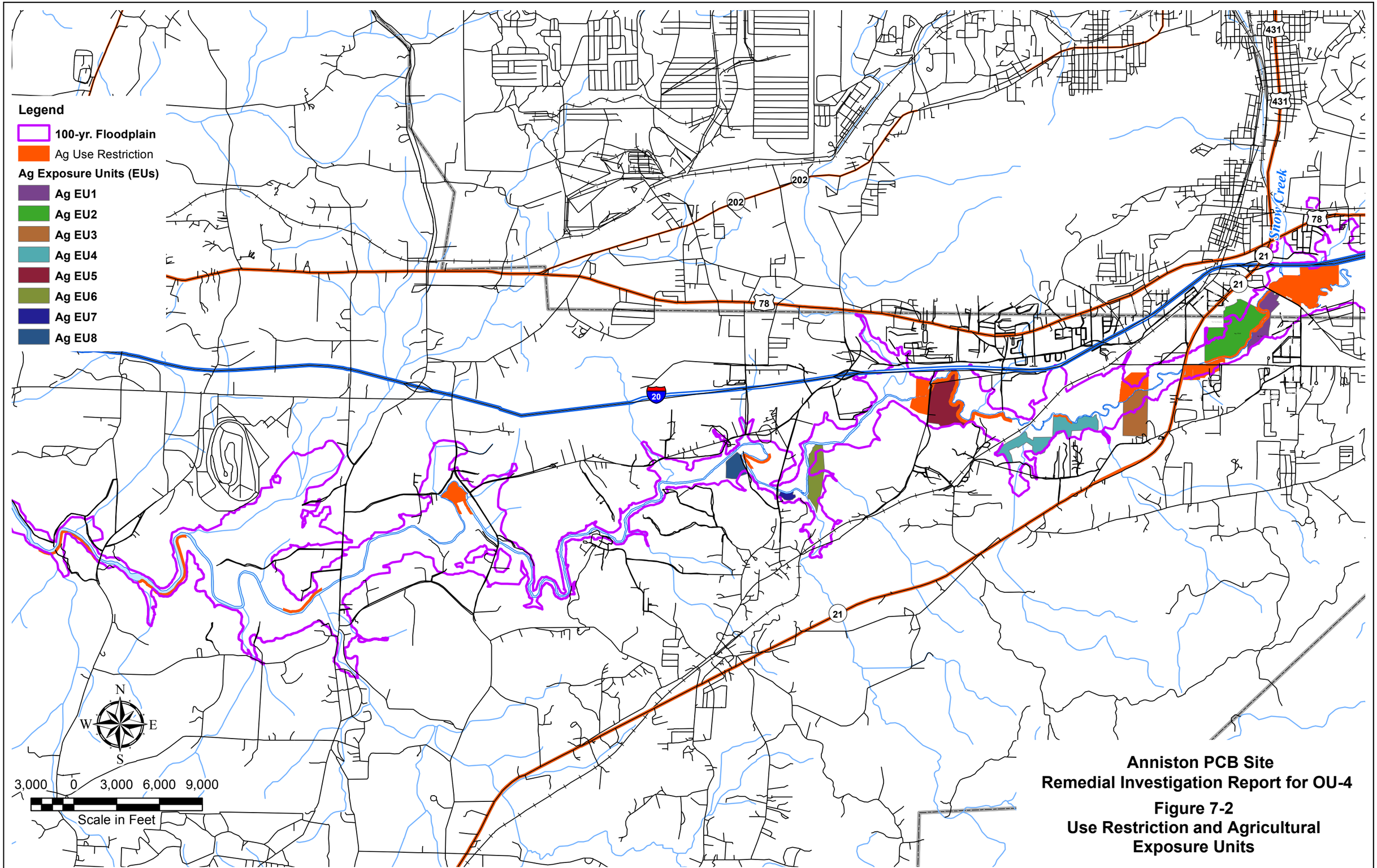
a. Includes all facility-related sources
b. Contaminant concentrations in surface water are qualitatively evaluated by comparing to risk-based concentrations. Consistent with USEPA Region 4 guidance, sediment under water will not be evaluated.
c. PCB concentrations (95%UCLs) at residentially used areas were compared to the 1 mg/kg remedial level. Areas with concentrations greater than 1 mg/kg will be evaluated further in future remedial decisions.
d. Includes aboveground and belowground produce.
e. Includes beef (current and future) and dairy products, chickens, and eggs (future only).

Anniston PCB Site,
Anniston, Alabama
Remedial Investigation Report for OU-4

Conceptual Site Model for HHRA

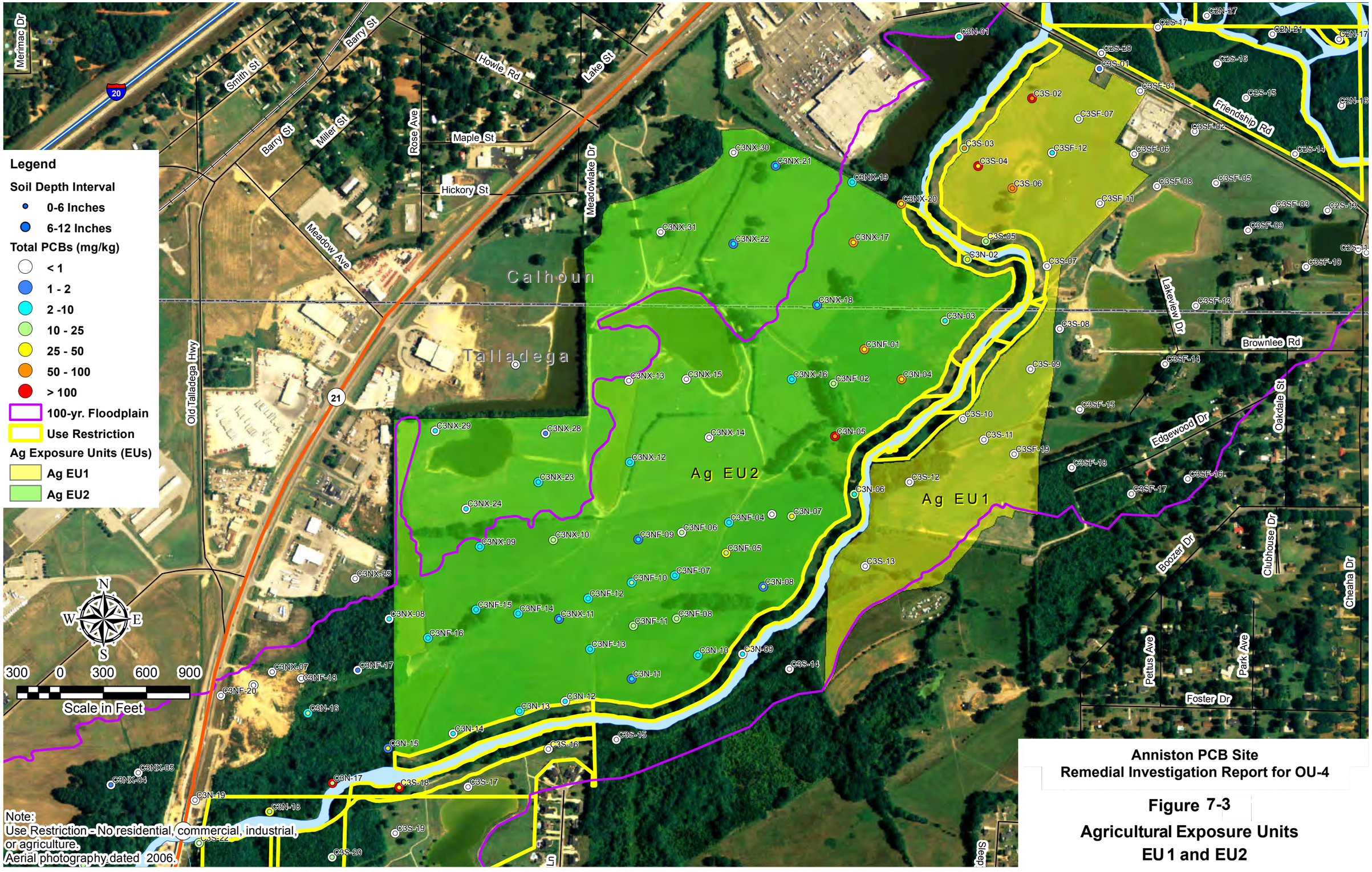
Solutia

Figure 7-1



Anniston PCB Site
Remedial Investigation Report for OU-4

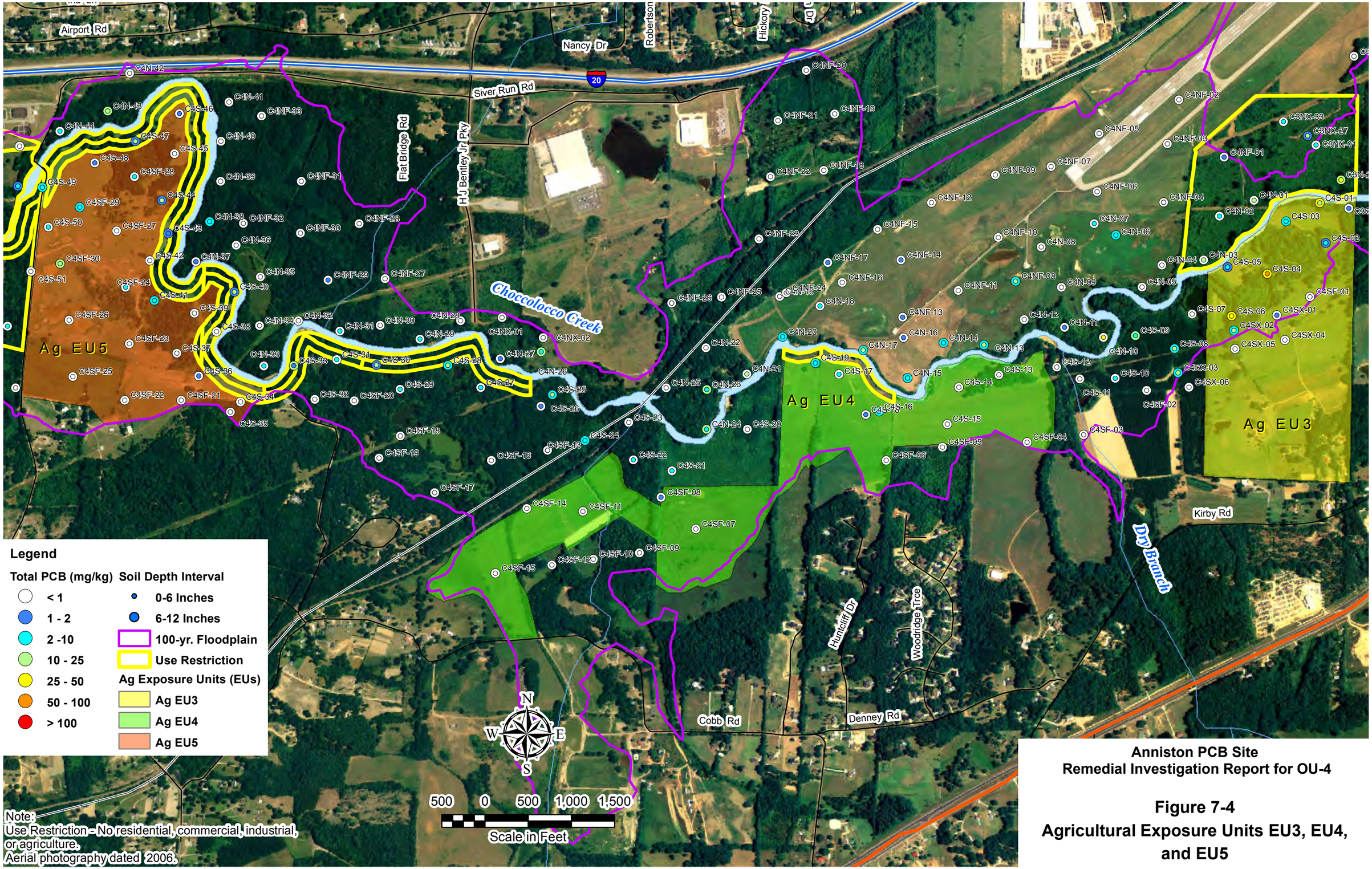
Figure 7-2
Use Restriction and Agricultural Exposure Units



Anniston PCB Site
Remedial Investigation Report for OU-4

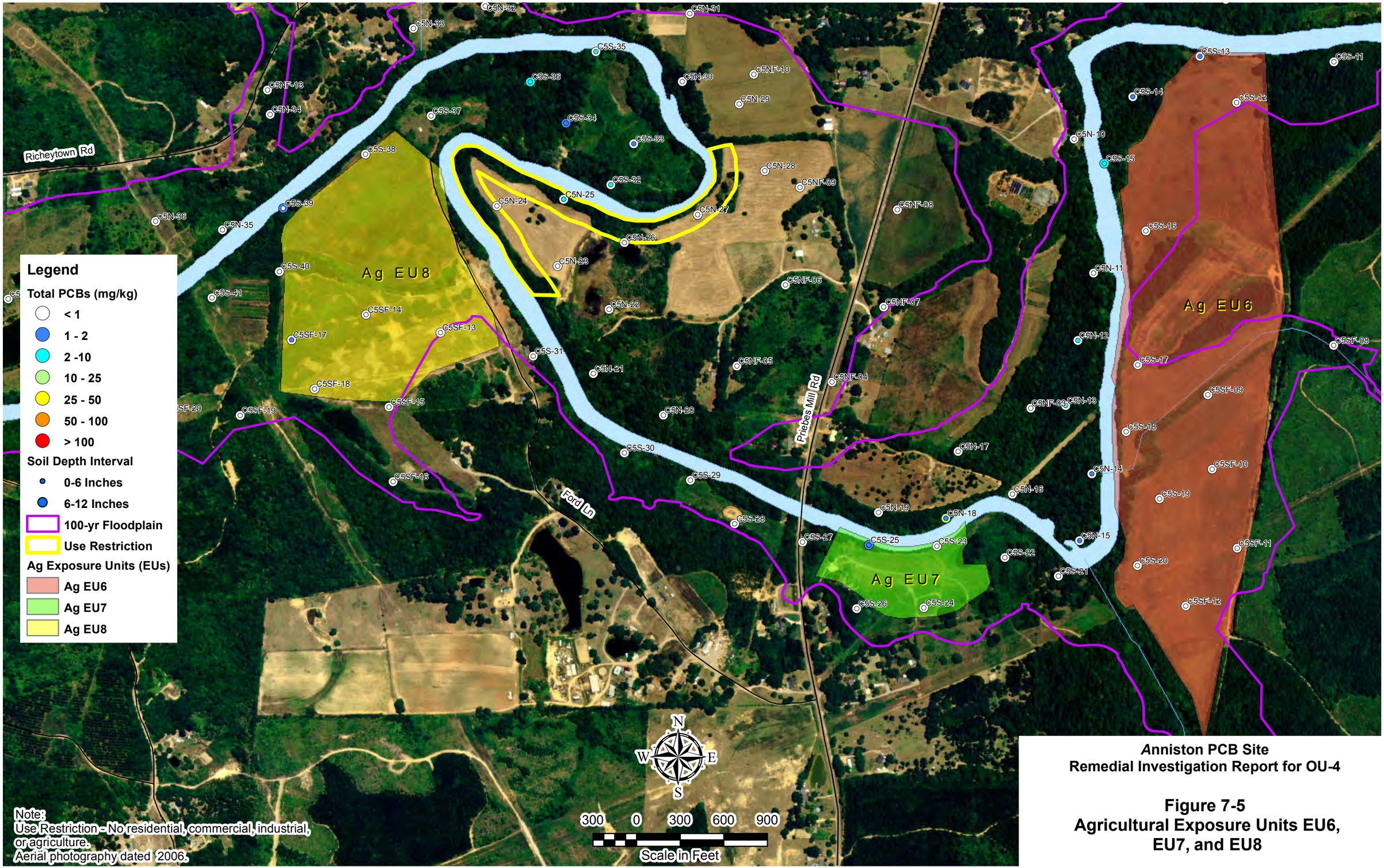
Figure 7-3

Agricultural Exposure Units EU1 and EU2



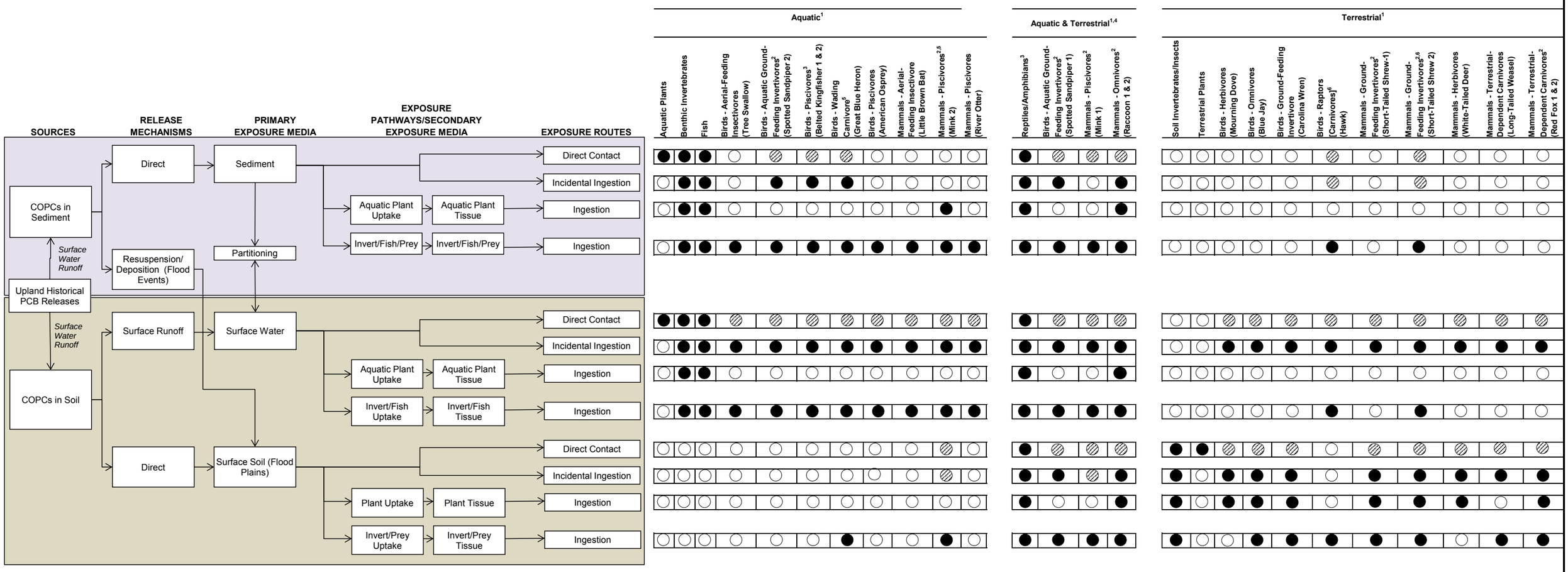
Anniston PCB Site
Remedial Investigation Report for OU-4

Figure 7-4
Agricultural Exposure Units EU3, EU4, and EU5



Anniston PCB Site
Remedial Investigation Report for OU-4

Figure 7-5
Agricultural Exposure Units EU6, EU7, and EU8



Notes:

COPCs: Constituents of Potential Concern

○ Exposure pathway considered *de minimus* . Not quantitatively evaluated.

▨ Pathway complete but expected to be minimal relative to the identified primary complete pathways. Not quantitatively evaluated.

● High potential for complete exposure pathway. Primary pathway quantitatively evaluated.

1. Representative species listed in parentheses.
2. Multiple scenarios evaluated (See Tables 8-13b and 8-14b for different exposure scenarios).
3. Complete pathways identified but due to lack of toxicity values, potential risks could not be quantified.
4. These receptors may be exposed to both aquatic and terrestrial media and/or prey.
5. Receptor is primarily aquatic but has a small percentage of terrestrial prey (mammals/birds) as part of its diet composition.
6. Receptor is primarily terrestrial but has a small percentage of aquatic prey (amphibians/reptiles) as part of its diet composition.

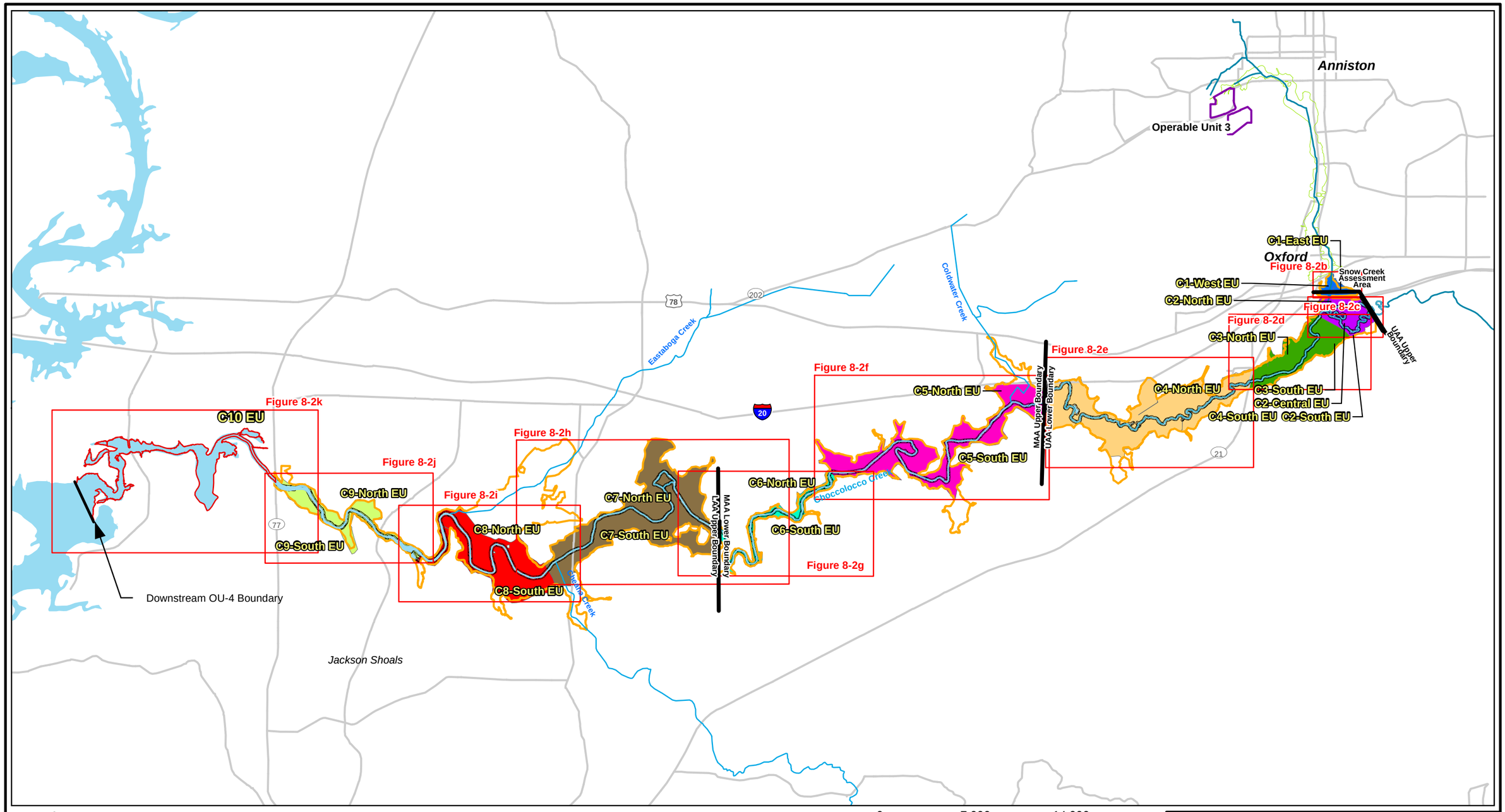
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

Conceptual Site Model for the BERA

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Figure 8-1



Legend

- Assessment Area Boundary
- Major Roadway
- OU-3 Boundary
- OU-1/OU-2 Downgradient Floodplain
- OU-4 100-Year Floodplain
- Choccolocco Creek
- Riparian Corridor

Reaches

- C1- Snow Creek - Hwy 78 to Choccolocco Creek
- C2 - Backwater Area
- C3 - Friendship Rd to Hwy 21
- C4 - Hwy 21 to Silver Run Rd
- C5 - Silver Run Rd to Mitchell Matson Rd
- C6 - Mitchell Matson Rd to 2000 ft upstream of Curry Sta Rd
- C7 - Upstream of Curry St Rd to Eastaboga Cr
- C8 - Eastaboga Cr to Jackson Shoals Dam
- C9 - Jackson Shoals to Hwy 77
- C10 - Hwy 77 to Lake Logan Martin (In-Stream Sediment Only)

0 7,000 14,000 Feet

Graphic Scale

Notes:
1. EUs were identified for in-stream sediment (C1 through C10) and riparian/floodplain soil (C2 through C9).
2. Cr: creek
   EU: exposure unit
   ft: feet
   Hwy: highway
   OU: operable unit
   Rd: road
   Sta: station

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

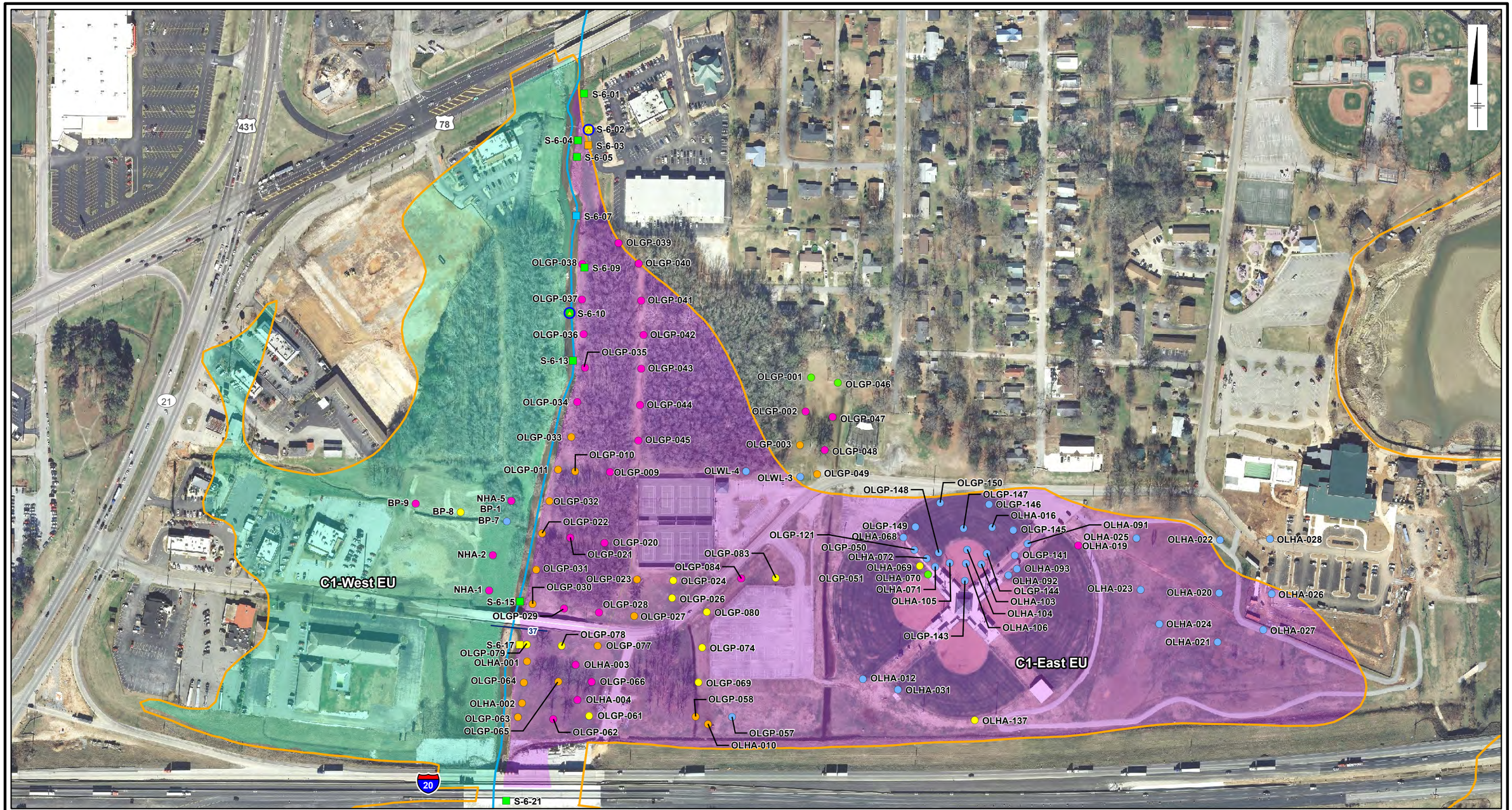
Key for PCB and Mercury Concentrations by Exposure Unit

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Figure
8-2a

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: TJScott
AnnistonAL
Q:\Anniston_PCB_site\Anniston\ALMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F8-2a_OU4_SedSoilPCB_KEYMAP_v2.mxd 7/29/2019 3:28:50 PM

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
Q:\Anniston_PCB_site\AnnistonALMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F8-2b_OU4_SedSoilPCB.mxd 8/21/2019 11:05:17 AM



Legend

Surface[1] Sediment Sample Location Total PCB Concentration (mg/kg)	Surface[2] Soil Sample Location Total PCB Concentration (mg/kg)	Sample Location Average Mercury Concentration (mg/kg)
< 1	< 1	0 - 0.05
1.00 - 4.99	1.00- 1.99	0.05 - 0.2
5.00 - 9.99	2.00 - 4.99	0.2 - 1
10.00 - 49.99	5.00 - 9.99	1 - 5
	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- 37 River Mile
- Snow Creek Centerline
- C1-East EU
- C1-West EU
- OU-4 100-Year Floodplain

0 275 550 Feet

Graphic Scale

Notes:
1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

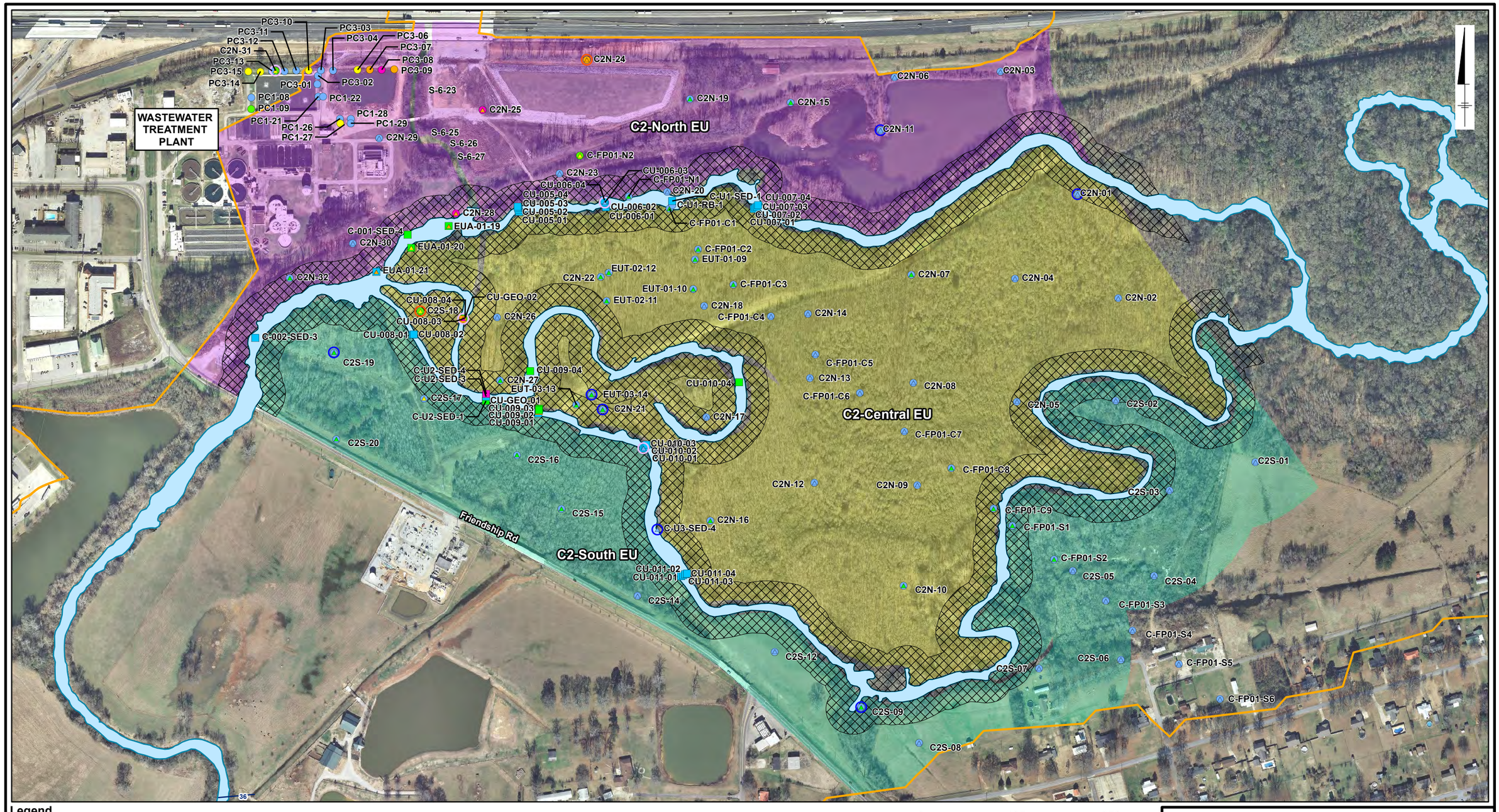
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C1-East EU and C1-West EU

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Figure
8-2b



Legend

Surface[1] Sediment Sample Location	Surface[2] Soil Sample Location	Sample Location
Total PCB Concentration (mg/kg)	Total PCB Concentration (mg/kg)	Average Mercury Concentration (mg/kg)
< 1	< 1	0 - 0.05
1.00 - 4.99	1.00- 1.99	0.05 - 0.2
5.00 - 9.99	2.00 - 4.99	0.2 - 1
10.00 - 49.99	5.00 - 9.99	1 - 5
≥ 50	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- 36 River Mile
- Riparian
- C2-North EU
- C2-Central EU
- C2-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 425 850 Feet

Graphic Scale

Notes:

1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
   PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

Anniston PCB Site
Anniston, Alabama

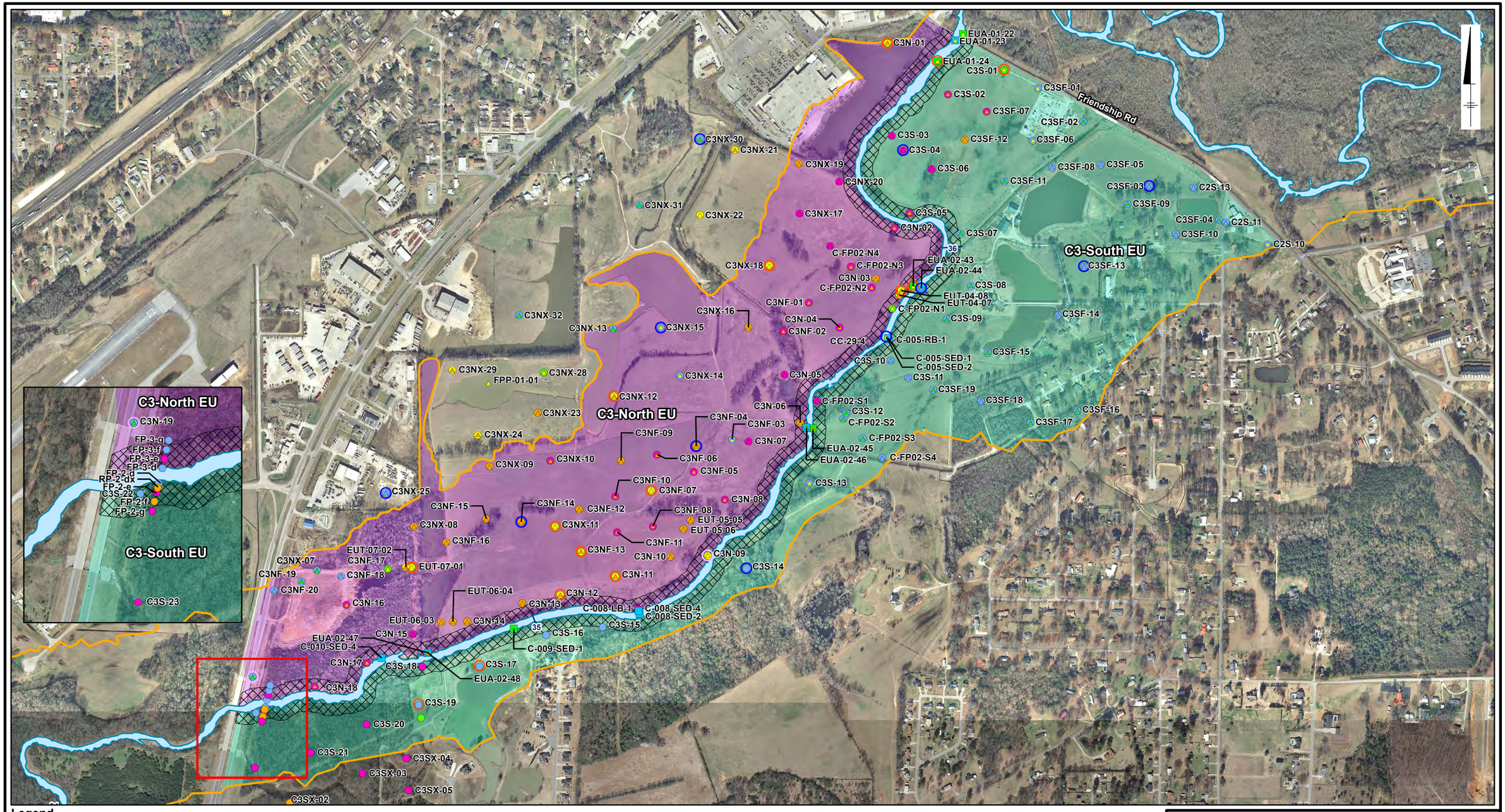
Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C2-North EU, C2-Central EU, and C2-South EU

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Figure **8-2c**

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston Q:\Anniston_PCB_site\AnnistonALMXDs_Printfiles\Reports\OU4_2019Revisions\mxd\F8-2c_OU4_SedSoilPCB.mxd 8/21/2019 11:07:01 AM



Legend

Surface[1] Sediment Sample Location Total PCB Concentration (mg/kg)	Surface[2] Soil Sample Location Total PCB Concentration (mg/kg)	Sample Location Average Mercury Concentration (mg/kg)
< 1	< 1	0 - 0.05
1.00 - 4.99	1.00- 1.99	0.05 - 0.2
5.00 - 9.99	2.00 - 4.99	0.2 - 1
10.00 - 49.99	5.00 - 9.99	1 - 5
≥ 50	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- River Mile
- Riparian
- C3-North EU
- C3-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 800 1,600 Feet

Graphic Scale

Notes:

1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
   PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C3-North EU and C3-South EU

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Figure
8-2d

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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C4-North EU

C4-South EU

C4-North EU

C4-South EU

Legend

Surface[1] Sediment Sample Location Total PCB Concentration (mg/kg)	Surface[2] Soil Sample Location Total PCB Concentration (mg/kg)	Sample Location Average Mercury Concentration (mg/kg)
< 1	< 1	0 - 0.05
1.00 - 4.99	1.00- 1.99	0.05 - 0.2
5.00 - 9.99	2.00 - 4.99	0.2 - 1
10.00 - 49.99	5.00 - 9.99	1 - 5
≥ 50	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- 32 River Mile
- Riparian
- C4-North EU
- C4-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 1,175 2,350 Feet

Graphic Scale

Notes:

1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
   PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

Anniston PCB Site
Anniston, Alabama

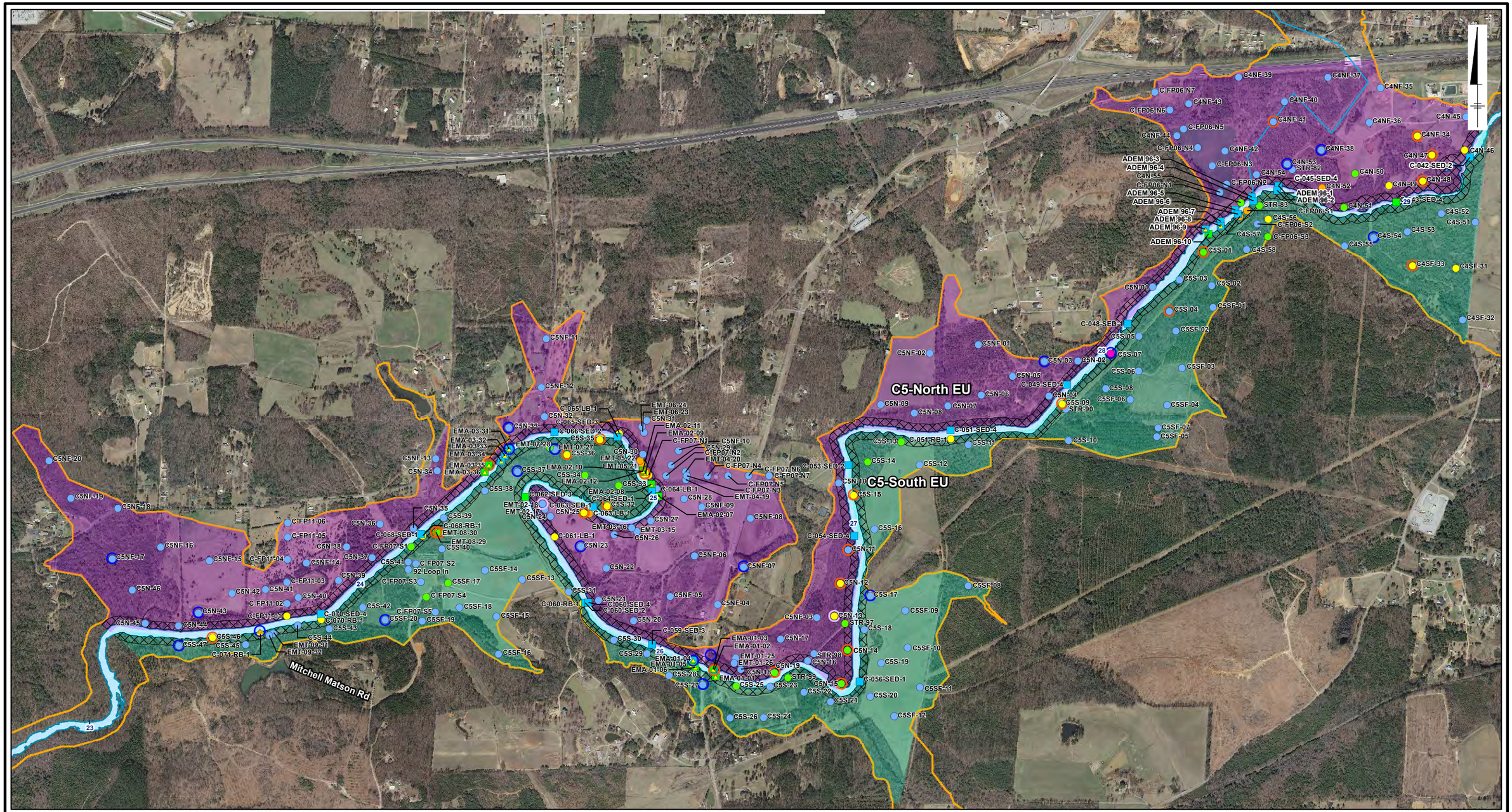
Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C4-North EU and C4-South EU

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Figure **8-2e**

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
Anniston
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Legend

Surface[1] Sediment Sample Location Total PCB Concentration (mg/kg)	Surface[2] Soil Sample Location Total PCB Concentration (mg/kg)	Sample Location Average Mercury Concentration (mg/kg)
< 1	< 1	0 - 0.05
1.00 - 4.99	1.00- 1.99	0.05 - 0.2
5.00 - 9.99	2.00 - 4.99	0.2 - 1
10.00 - 49.99	5.00 - 9.99	1 - 5
≥ 50	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- –27– River Mile
- Riparian
- C5-North EU
- C5-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 1,325 2,650 Feet

Graphic Scale

Notes:

1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
   PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

Anniston PCB Site
Anniston, Alabama

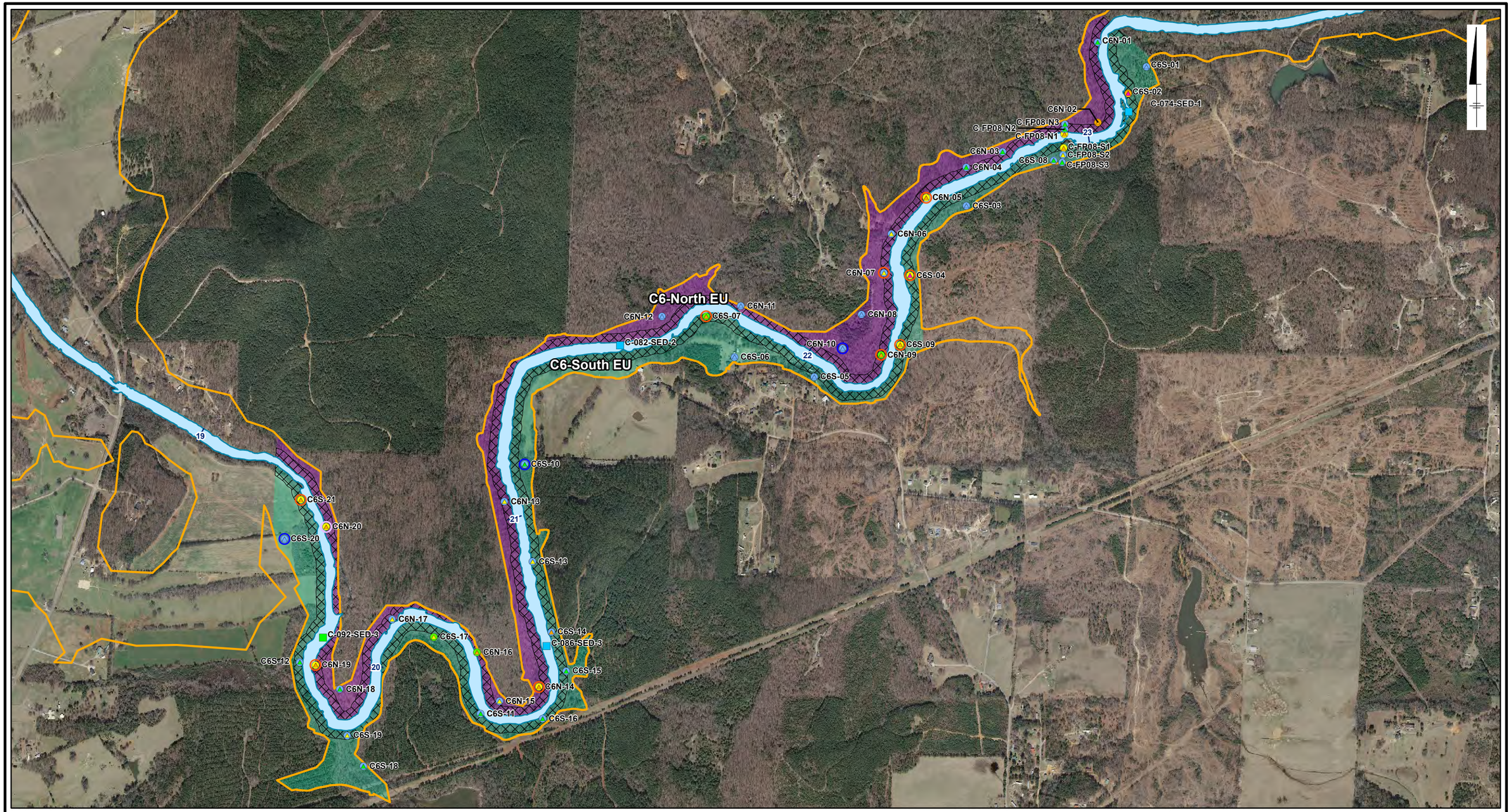
Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C5-North EU and C5-South EU

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Figure **8-2f**

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

Surface[1] Sediment Sample Location
Total PCB Concentration (mg/kg)
- < 1
- 1.00 - 4.99
- 5.00 - 9.99
- 10.00 - 49.99
- ≥ 50

Surface[2] Soil Sample Location
Total PCB Concentration (mg/kg)
- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

Sample Location
Average Mercury Concentration (mg/kg)
- 0 - 0.05
- 0.05 - 0.2
- 0.2 - 1
- 1 - 5
- > 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- 20 River Mile
- Riparian
- C6-North EU
- C6-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 1,100 2,200 Feet

Graphic Scale

Notes:
1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

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Anniston, Alabama

Remedial Investigation Report for OU-4

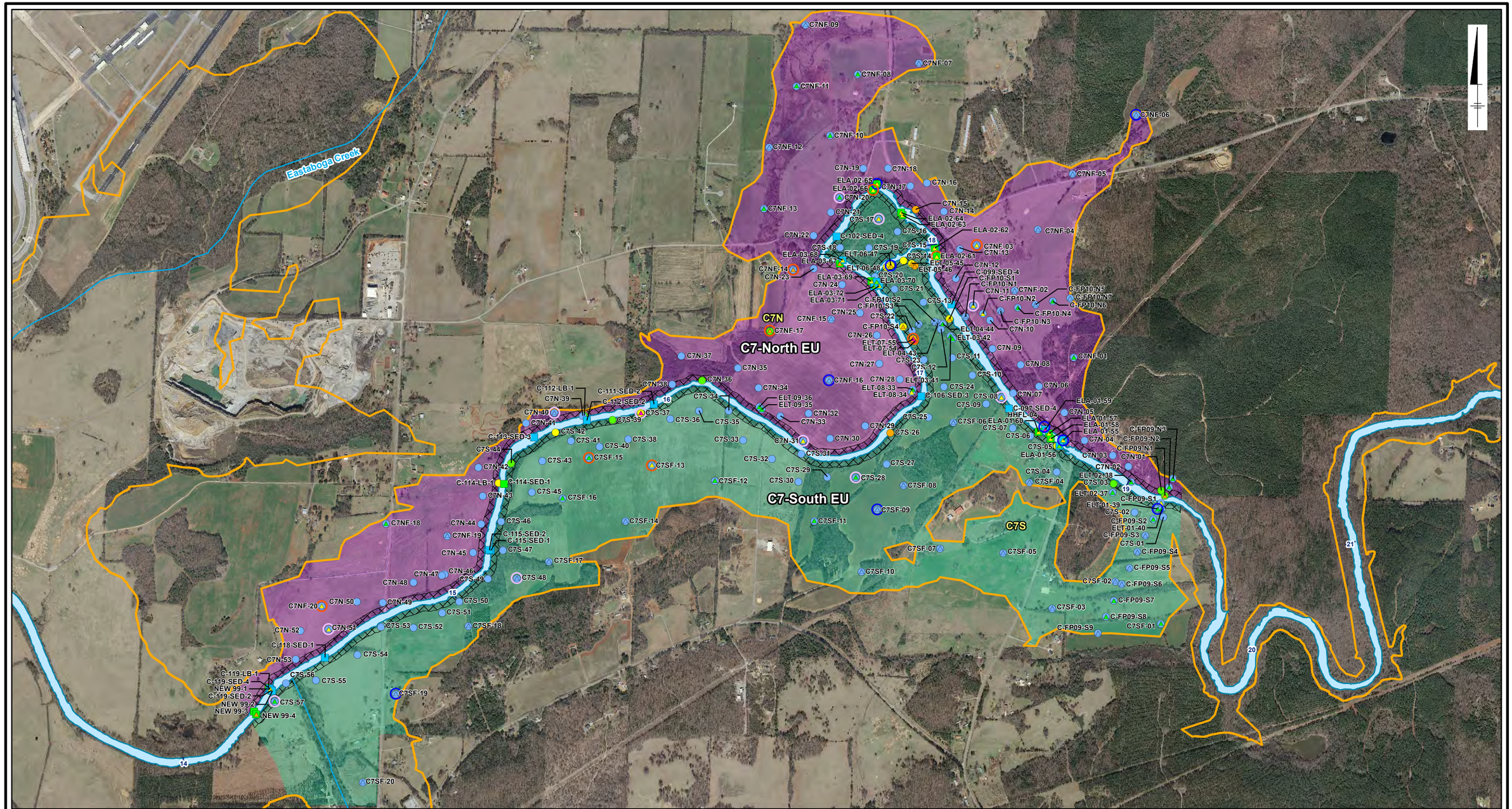
PCB and Mercury Concentrations for C6-North EU and C6-South EU

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Figure
8-2g

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Anniston
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Legend

Surface[1] Sediment Sample Location
Total PCB Concentration (mg/kg)
- < 1
- 1.00 - 4.99
- 5.00 - 9.99
- 10.00 - 49.99
- ≥ 50

Surface[2] Soil Sample Location
Total PCB Concentration (mg/kg)
- < 1
- 1.00- 1.99
- 2.00 - 4.99
- 5.00 - 9.99
- ≥ 10

Sample Location
Average Mercury Concentration (mg/kg)
- 0 - 0.05
- 0.05 - 0.2
- 0.2 - 1
- 1 - 5
- > 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- River Mile
- Riparian
- C7-North EU
- C7-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 1,550 3,100 Feet
Graphic Scale

Notes:
1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

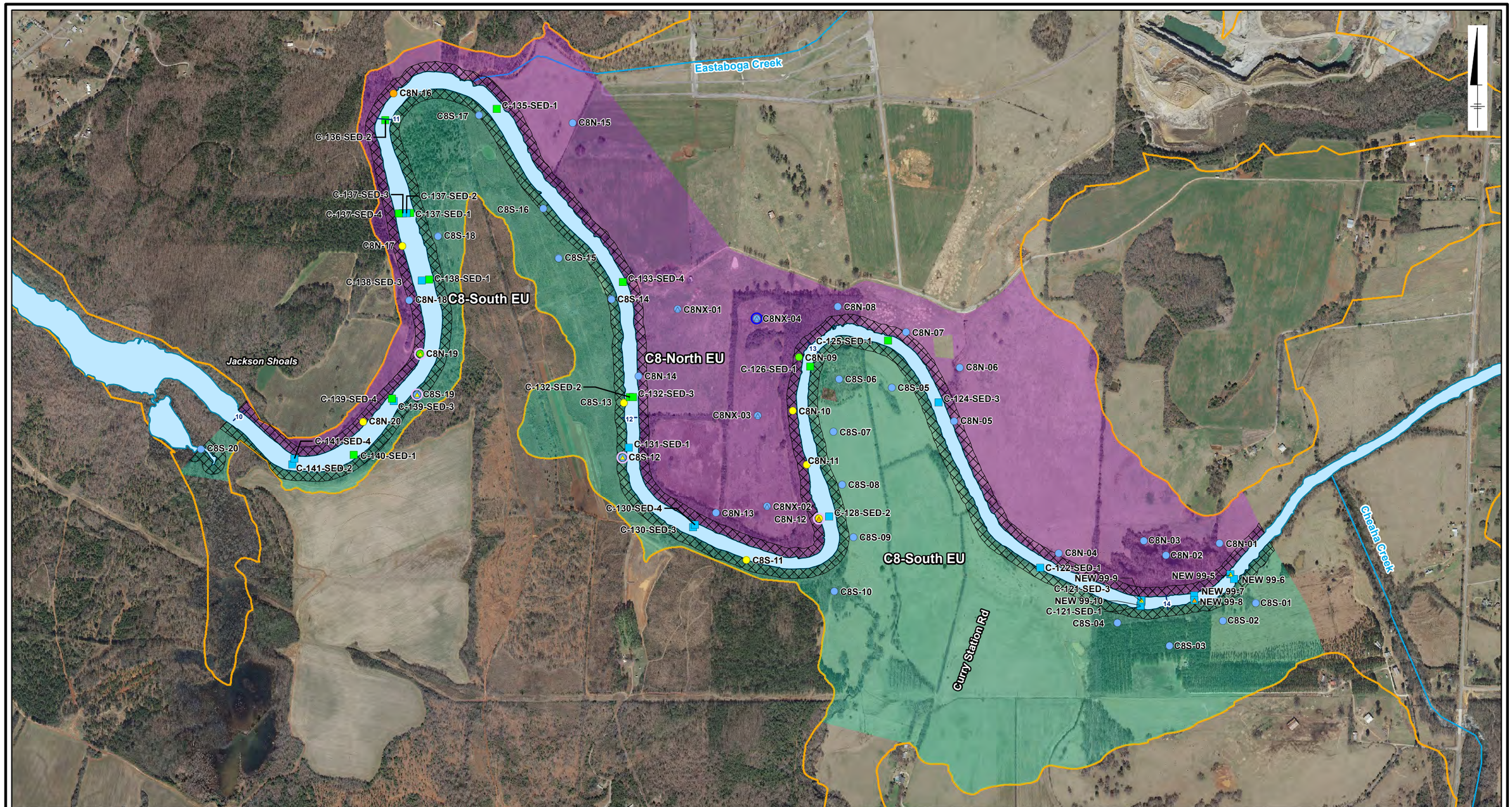
Anniston PCB Site
Anniston, Alabama

Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C7-North EU and C7-South EU

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Figure
8-2h



Legend

Surface[1] Sediment Sample Location Total PCB Concentration (mg/kg)	Surface[2] Soil Sample Location Total PCB Concentration (mg/kg)	Sample Location Average Mercury Concentration (mg/kg)
< 1	< 1	0 - 0.05
1.00 - 4.99	1.00- 1.99	0.05 - 0.2
5.00 - 9.99	2.00 - 4.99	0.2 - 1
10.00 - 49.99	5.00 - 9.99	1 - 5
≥ 50	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- River Mile
- Riparian
- C8-North EU
- C8-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 1,025 2,050 Feet

Graphic Scale

Notes:

1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
   PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

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Anniston, Alabama

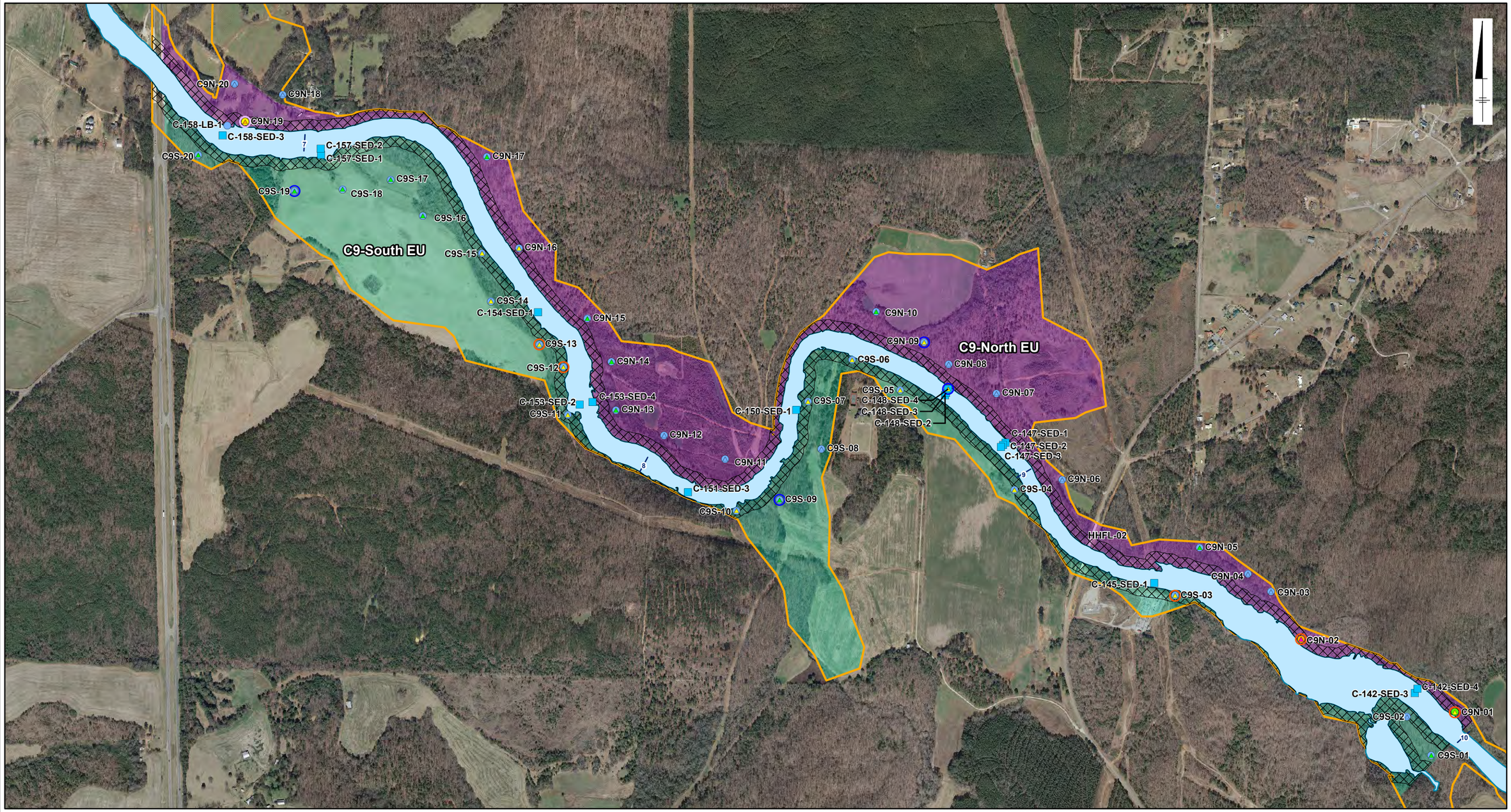
Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C8-North EU and C8-South EU

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Figure **8-2i**

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

Surface[1] Sediment Sample Location Total PCB Concentration (mg/kg)	Surface[2] Soil Sample Location Total PCB Concentration (mg/kg)	Sample Location Average Mercury Concentration (mg/kg)
< 1	< 1	0 - 0.05
1.00 - 4.99	1.00- 1.99	0.05 - 0.2
5.00 - 9.99	2.00 - 4.99	0.2 - 1
10.00 - 49.99	5.00 - 9.99	1 - 5
≥ 50	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- River Mile
- Riparian
- C9-North EU
- C9-South EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 950 1,900 Feet

Graphic Scale

Notes:

1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
   PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

Anniston PCB Site
Anniston, Alabama

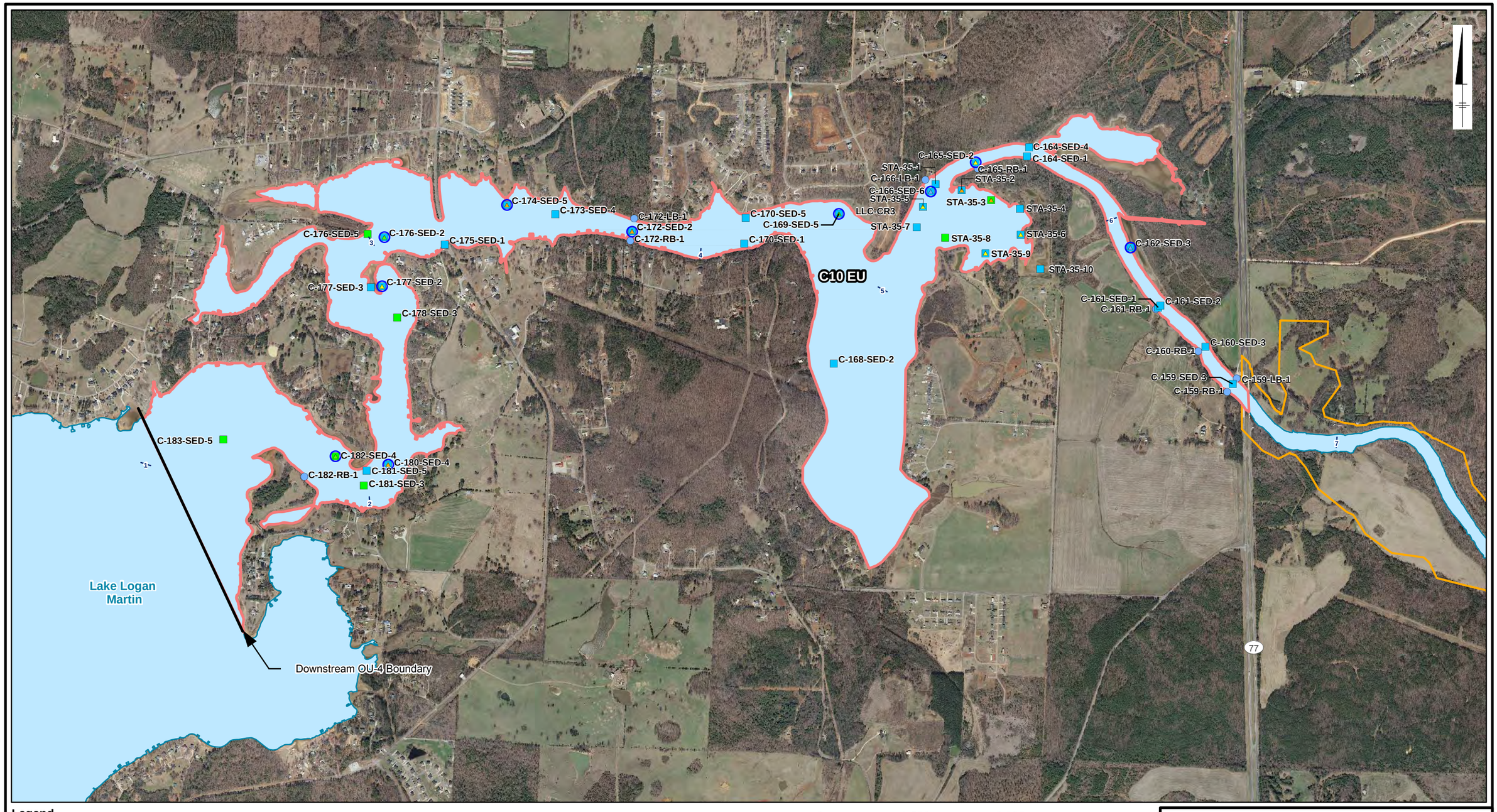
Remedial Investigation Report for OU-4

PCB and Mercury Concentrations for C9-North EU and C9-South EU

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Figure
8-2j

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: TJScott
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Legend

Surface[1] Sediment Sample Location	Surface[2] Soil Sample Location	Sample Location
Total PCB Concentration (mg/kg)	Total PCB Concentration (mg/kg)	Average Mercury Concentration (mg/kg)
< 1	< 1	<0.05
≥1 - <5	≥1 - <2	≥0.05 - <0.2
≥5 - <10	≥2 - <5	≥0.2 - <1
≥10 - <50	≥5 - <10	≥1 - <5
≥ 50	≥ 10	> 5

- Non-Mercury Metals Sampled
- PCDD/DF Sampled
- Non-Mercury Metals and PCDD/DF Sampled
- River Mile
- C10 EU
- Choccolocco Creek
- OU-4 100-Year Floodplain

0 1,500 3,000 Feet

Graphic Scale

Notes:
1. Surface sediments were collected primarily from the 0- to 2-inch interval (63% of samples) and the 0- to 6-inch interval (26% of samples). A limited number of samples (11%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 6 inches.
2. Surface soils were collected primarily from the 0- to 6-inch interval (93% of samples). A limited number of samples (7%) were collected from various intervals with a top depth of 0 inches and a bottom depth of not more than 24 inches.
3. Aerial imagery provided by Calhoun and Talladega Counties.
4. EU: exposure unit
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzodioxins/dibenzofurans

Anniston PCB Site
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Remedial Investigation Report for OU-4

PCB and Mercury Concentrations C-10 EU

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Figure
8-2k