PREDESIGN INVESTIGATION EVALUATION REPORT

Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site

Submitted by

Pharmacia LLC/Solutia Inc.
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Exhibit 1: Composite Soil Sample Locations for Area North of Miller Property

ACRONYMS AND ABBREVIATIONS

%	percent
°C	degrees Celsius
AQ	Anchor QEA
ASTM	ASTM International
BBL	Blasland, Bouck & Lee, Inc.
bgs	below ground surface
CD	consent decree
Collier	Collier Geophysics, LLC
CU	consolidated undrained
DU	decision unit
EU	exposure unit
Eurofins	Eurofins Environmental Testing
FS	feasibility study
GAC	granular activated carbon
Geosyntec	Geosyntec Consultants, Inc.
GPS	global positioning system
GSI	GSI Environmental Inc.
IDW	investigation-derived waste
IM	interim measure
ISM	incremental sampling methodology
JSA	job safety analysis
ITRC	Interstate Technology Regulatory Council
LL	liquid limit
µg/L	micrograms per liter
mg/kg	milligrams per kilogram
NAD83	North American Datum of 1983
NP	nonplastic
OSHA	Occupational Safety and Health Administration
OU	operable unit
P/S	Pharmacia LLC/Solutia Inc.

PCB	polychlorinated biphenyl
PDI	predesign investigation
PDIWP	predesign investigation work plan
PI	plasticity index
PPE	personal protective equipment
PPIN	property identification number
PTW	principal threat waste
QA	quality assurance
QC	quality control
RD	remedial design
RD/RA	remedial design/remedial action
ROD	record of decision
RPD	relative percent difference
SHPO	State Historic Preservation Officer
SOP	standard operating procedure
SPT	standard penetration test
SOW	Statement of Work
TOC	total organic carbon
TS	treatability study
UFP-QAPP	Uniform Federal Policy Quality Assurance Project Plan
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

This predesign investigation (PDI) evaluation report (PDI Evaluation Report) has been developed for the Operable Unit 1/Operable Unit 2 (OU-1/OU-2) portion of the Anniston PCB Site (the Site; Figure 1-1). The PDI Evaluation Report is a deliverable under the OU-1/OU-2 Remedial Design/Remedial Action (RD/RA) Consent Decree (CD: United States Environmental Protection Agency [USEPA] 2021) and was developed on behalf of Pharmacia LLC/Solutia Inc. (P/S). This PDI Evaluation Report presents the results of field activities, laboratory data, and evaluations that were conducted to support the remedial design (RD) for the OU-1/OU-2 remedies identified in the CD and is consistent with the respective components of the OU-1/OU-2 Record of Decision (ROD; USEPA 2017).

This PDI Evaluation Report presents and evaluates the results of investigations that were conducted under the PDI work plan (PDIWP; P/S 2022).

1.1 Remedial Action Summary

The remedy USEPA selected for OU-1/OU-2 includes multiple components for soil, groundwater, and sediment. The ROD identified eight categories or types of remedies based on the range of remedial alternatives presented in the *OU-1/OU-2 Feasibility Study Report, Anniston PCB Site* (OU-1/OU-2 FS; Ramboll Environ 2016). Under the CD, P/S and USEPA agreed that P/S would implement the selected remedy for seven of these categories. The category of remedial alternatives for unapproved waste disposal areas was not included in the CD. While this category of remedial alternative was identified in the OU-1/OU-2 FS and the OU-1/OU-2 ROD, remediation of unapproved waste disposal areas would be the responsibility of parties other than P/S. The seven categories of remedial alternatives for OU-1/OU-2 identified in the CD and the selected remedy for each category are as follows:

- **Residential soil**: The selected remedy for residential soil is the removal and on-site or off-site disposal of surface soil (i.e., soil from ground surface to 12 inches below ground surface [bgs]) with polychlorinated biphenyl (PCB) concentrations greater than or equal to 1 milligram per kilogram (mg/kg) but less than 10 mg/kg and the removal and off-site disposal of surface and subsurface soil (i.e., soil deeper than 12 inches bgs) with PCB concentrations greater than or equal to 10 mg/kg. The selected remedy also includes long-term soil management for the following:
  - Properties with residual PCBs greater than or equal to 1 mg/kg
  - Properties with PCB concentrations in soil greater than or equal to 1 mg/kg that have been designated as “unsuitable for removal”
  - Properties that potentially have residual PCBs beneath a structure (i.e., a building, shed, or paved area) that limits exposure
- **Dredge spoil piles**: The remedy includes the removal and off-site disposal of four dredge spoil piles located near or adjacent to Snow Creek. The CD includes PDI sampling for dredge spoil pile SC-2, which was not characterized during the remedial investigation, to assess whether PCB concentrations are greater than or equal to the

threshold concentration of 3 mg/kg for dredge spoil pile removal. The surface soil and subsurface soil located directly beneath the dredge spoil piles will be evaluated during the remedial action phase of the project. The surface soil will be evaluated for conformance with the remedial goal of 21 mg/kg, and subsurface soil (if necessary) will be evaluated using the remedial goal of 97 mg/kg. Long-term soil management for areas underlying dredge spoil piles with residual PCBs greater than or equal to 1 mg/kg is also part of the remedy.

- **Special use properties**: For high-activity special use properties, the selected remedy includes the removal and on-site or off-site disposal of surface soil with PCB concentrations greater than or equal to 1 mg/kg but less than 10 mg/kg and the removal and off-site disposal of subsurface soil with PCB concentrations greater than or equal to 10 mg/kg. For low-activity special use properties, the selected remedy includes the removal and on-site or off-site disposal of surface soil with PCB concentrations greater than or equal to 1 mg/kg but less than 10 mg/kg and the removal and off-site disposal of surface soil with PCB concentrations greater than or equal to 10 mg/kg and subsurface soil with PCB concentrations greater than or equal to 97 mg/kg. The selected remedy also includes long-term soil management for the following:
  - Properties where residual PCBs are greater than or equal to 1 mg/kg
  - Properties with PCB concentrations in soil greater than or equal to 1 mg/kg that have been designated as "unsuitable for removal"
  - Properties that potentially have residual PCBs beneath a structure (i.e., a building, shed, or paved area) that limits exposure
- **Interim measure (IM) areas**: The IM component of the OU-1/OU-2 remedy includes maintaining the existing IMs and excavating soil around the Northside Area, Eastside Area, and the Eastside Drainageway (including the drainage ditch to the north and PB-RR-37 area) IMs to meet the surface soil remedial goal for PCBs of 21 mg/kg and subsurface soil remedial goal for PCBs of 97 mg/kg. Excavated soil will be disposed of off-site. The OU-1/OU-2 remedy also includes assessing the potential for principal threat waste (PTW) to be present in the portion of OU-1/OU-2 that is located just east of OU-3. The determination of PTW is to be based on groundwater with PCBs at concentrations greater than the state maximum contaminant level and the federal Safe Drinking Water Act maximum contaminant level. If PTW is found to be present, the specific approach to address the PTW materials will be developed in coordination with USEPA during the RD phase of the project.
- **Nonresidential soil**: For nonresidential soil, the remedy includes the following:
  - Removal and off-site disposal of surface soil with PCB concentrations greater than or equal to 21 mg/kg
  - Removal and off-site disposal for subsurface soil with PCB concentrations greater than or equal to 97 mg/kg
  - Long-term soil management for residual soil with PCB concentrations greater than or equal to 1 mg/kg

- Removal and off-site disposal of nonresidential soil from several small areas where non-PCB constituents are present at concentrations greater than their respective remedial goals from the OU-1/OU-2 ROD

- **Soil and groundwater at T-11**: For the T-11 area, the remedy includes the following:
  - Removal and off-site disposal of soil from the upper 18-inch horizon across the broader T-11 area and the removal and off-site disposal of soil at depth directly surrounding groundwater well T-11
  - Placement of a low-permeability cap over the broader T-11 area
  - Extraction, treatment, and discharge of groundwater from new groundwater wells installed in the T-11 area
  - Land use controls (e.g., deed restrictions or environmental covenants) that prohibit future use of groundwater from the area
- **Sediment and creek bank soil**: For sediment and creek bank soil, the remedy includes the following:
  - Removal and off-site disposal of sediment with PCB concentrations greater than or equal to 3 mg/kg
  - Removal and off-site disposal of several sediment deposits containing non-PCB constituents at concentrations greater than their respective remedial goals from the OU-1/OU-2 ROD
  - Stabilization of creek banks along specific reaches of Snow Creek identified in the OU-1/OU-2 ROD

Additional details for the remedy selected for each of the categories identified above are provided in Section 2.2 of the OU-1/OU-2 *Remedial Design Work Plan* (P/S 2021).

1.2 Predesign Investigation Objectives

The PDIs were conducted to collect data that, in combination with existing data collected for OU-1/OU-2, can be used to develop the RD for implementing the OU-1/OU-2 remedy. The PDI objectives described in Section 6.7 of the Statement of Work (SOW) from the CD and how they have been fulfilled are as follows:

- The presentation and evaluation of existing data and the identification of data gaps were previously presented in the PDIWP (P/S 2022).
- This PDI Evaluation Report presents the results of investigations and data collected under the PDIWP and the associated Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP). As required by the SOW, this PDI Evaluation Report includes the following:
  - Summary of the PDI field investigations, including deviations from the PDI work plan (PDIWP) such as treatability studies (TSs) not being needed at this point in the RD process

- Tables and figures presenting validated laboratory analytical results as appropriate for individual PDI field investigations
- Narrative interpretation of soil, groundwater, and sediment data and results
- Results of statistical evaluations
- Boring logs, representative photographs, topographic and utility survey results, and analytical chemistry results available to USEPA via an electronic upload
- Conclusions and recommendations for the preliminary (30%) RD

1.3 Organization of the PDI Report

This PDI Evaluation Report includes 10 sections, including this introduction, and 8 appendices:

- Section 2 presents the results and evaluations conducted for the low-activity special use areas, nonresidential soil areas, IM areas, and dredge spoil pile SC-2. Section 2 also includes the results of an inspection conducted for a previously constructed IM along Hall Street and the results of a soil investigation conducted at the PB-RR-37 location. Available groundwater results for the area north and east of the Miller property IM area are also evaluated in this section. Soil in a nearby drainageway had elevated PCB concentrations at depth, so groundwater conditions in the area were proactively evaluated as part of the PDI.
- Section 3 presents the results and evaluations conducted for groundwater at the Eastside property and the T-11 area.
- Section 4 presents the results and evaluations conducted for the sediment in the OU-1/OU-2 portion of Snow Creek.
- Section 5 presents OU-wide investigation results, including utility surveys and base mapping activities.
- Section 6 presents the results of the baseline surface water sampling that were conducted for the OU-1/OU-2 portion of Snow Creek.
- Section 7 presents TS-related information and the rationale for needing TS activities.
- Section 8 presents a discussion of data management and usability for the data collected during the PDIs.
- Section 9 presents a summary of findings and recommendations.
- Section 10 includes the references for documents cited in this PDI Evaluation Report.
- Appendix A includes the *Interim Predesign Investigation Data Summary Report: Inspections of Low-Activity Special Use Areas and Hall Street Interim Measure Area* as Appendix A-1. This interim report presents results for property inspections that were conducted to confirm the presence of low-activity special use areas that were initially identified in the OU-1/OU-2 ROD. The results of an inspection conducted for the Hall Street IM are also presented in this interim report. Comments received from USEPA

on the interim report dated August 8, 2023, are included in Appendix A-2 and were addressed in this PDI Evaluation Report.

- Appendix B presents the field boring logs for geotechnical investigation activities at GTB-01 through GTB-04. These borings were conducted at and adjacent to the T-11 area to support the engineering design aspects of the remedy related to soil excavation and capping and creek bank stabilization.
- Appendix C includes the geotechnical laboratory testing reports for samples collected from GTB-01 through GTB-04.
- Appendix D is the *Interim Predesign Investigation Data Summary Report: Soil Sampling at the PB-RR-37 Area* (PB-RR-37 Area Interim Report) that presents the soil sampling investigation results in the PB-RR-37 area.
- Appendix E is the *Predesign Investigation Interim Data Summary Report: Eastside Properties Groundwater Assessment* that presents the groundwater samples collected from an area downgradient of the portions of the Eastside Properties to evaluate potential leaching of PCBs from soil to groundwater.
- Appendix F presents the soil boring and well construction logs of piezometers installed within the T-11 area.
- Appendix G includes the *Predesign Investigation Interim Data Summary Report: Phase 1 Sediment Probing* (Phase 1 Interim Report) that presents results for sediment probing and deposit mapping that were conducted for the OU-1/OU-2 portion of Snow Creek as Appendix G-1. USEPA's approval letter and comments for the summary report is included in Appendix G-2.
- Appendix H is the summary of the geophysical investigations completed for OU-1/OU-2 areas.

2. FLOODPLAIN AND CREEK BANK SOIL PREDESIGN INVESTIGATION

During development of the PDIWP, existing floodplain soil and creek bank data were reviewed relative to the data needed to prepare an RD that achieves the requirements of the OU-1/OU-2 ROD to identify data gaps. Comparing the data needed to complete the RD with the existing data revealed data gaps for several categories of floodplain soil and creek bank areas. Based on these data gaps, the data quality objectives (DQOs) for the OU-1/OU-2 PDI program for soil (taken directly from the PDIWP) are as follows:

- SO-DQO 1: Refine the current understanding of PCBs for dredge spoil pile SC-2 to evaluate whether PCB concentrations are above the remedial goal of 3 mg/kg. Once the dredge spoil piles identified for remediation are removed, surface soil and subsurface soil beneath the dredge spoil piles will be sampled and assessed for PCBs based on the ROD requirements of 21 mg/kg for surface soil and 97 mg/kg for subsurface soil.
- SO-DQO 2: Refine the current understanding of subsurface soil PCB concentrations in floodplain soil areas, including confirmed low-activity special use areas, certain IM areas, and the nonresidential areas, in comparison to the OU-1/OU-2 ROD remedial goal of 97 mg/kg.
- SO-DQO 3: Gather geotechnical characterization data from the T-11 area to support the detailed design of a low-permeability cap and creek bank stabilization measures.
- SO-DQO 4: Evaluate whether representative soil PCB concentrations at the PB-RR-37 area, including soils along the portion of the drainage ditch adjacent to this area, are above the ROD requirements of 21 mg/kg for surface soil and 97 mg/kg for subsurface soil. For locations adjacent to Snow Creek, concentrations will be compared to the OU-1/OU-2 ROD remedial goal of 3 mg/kg. If PCB are detected in subsurface soil proximate to the groundwater table in the PB-RR-37, discussions will be held with USEPA relative to the potential installation of a groundwater monitoring well to assess whether groundwater PCB concentrations in this area are above the remedial goal of 0.5 micrograms per liter (µg/L).
- SO-DQO 5: Evaluate whether portions of the Hall Street IM cover soils require augmentation to meet the IM design requirements.

The PDIs were completed to achieve these DQOs for floodplain and creek bank soil. The inspections, sampling, results, and waste disposal for the PDI activities are presented in sections 2-2 through 2-6 below.

2.1 Dredge Spoil Pile SC-2 Sampling and Results

Surface soil from the dredge spoil pile SC-2 was sampled to evaluate PCB concentrations relative to the remedial goal of 3 mg/kg. The sampling activities and the sampling results are presented in Sections 2.1.1 and 2.1.2 below.

2.1.1 Dredge Spoil Pile SC-2 Sampling

A single composite soil sample was collected from dredge spoil pile SC-2 on August 14, 2023. The location of dredge spoil pile SC-2 is shown on Figure 2-1. Prior to sampling, five sample locations distributed evenly across the pile were identified, and excess debris or vegetation was cleared from the sample locations to expose the ground surface. A boring was advanced using a hand auger to a depth of 1 foot (ft) at each sample location. Material collected from 0 to 1 ft bgs from the five locations was homogenized to form one composite sample for dredge spoil pile SC-2. Composited material was transferred into laboratory-supplied containers and submitted to Eurofins Environmental Testing (Eurofins) for analysis of PCB Aroclors using USEPA Method SW-846 8082A. Field quality assurance/quality control (QA/QC) samples, including a duplicate and matrix spike/matrix spike duplicate, were also collected from dredge spoil pile SC-2 and submitted to Eurofins for analysis of PCB Aroclors (USEPA SW-846 8082A).

2.1.2 Dredge Spoil Pile SC-2 Results

A total PCB concentration of 53.2 mg/kg was detected in the composite sample collected from dredge spoil pile SC-2. The PCB results for the surface soil sampling of dredge spoil pile SC-2 are presented in Table 2-1. Because the PCB concentration is above the threshold concentration of 3 mg/kg, remediation of dredge spoil pile SC-2 is required. Following the removal of dredge spoil pile SC-2 during the remediation process, surface soil and subsurface soil beneath the dredge spoil pile will be sampled and assessed for PCBs based on the ROD requirements of 21 mg/kg for surface soil and 97 mg/kg for subsurface soil.

2.2 Low-Activity Special Use Areas

Land use conditions at the low-activity special use areas identified in the OU-1/OU-2 ROD were visually inspected as the initial step in the evaluation process to assess whether current land use conditions are consistent with those that identified the property as being low-activity special in the OU-1/OU-2 ROD. No variances from the PDIWP were made during the inspections or sampling conducted for the low-activity special use areas. The inspection process and results for the low-activity special use areas are summarized in Sections 2.2.1 and 2.2.2 below. The details for these inspections and results are provided in Appendix A-1. The subsurface soil sampling and results are presented in Sections 2.2.3 and 2.2.4 below.

2.2.1 Low-Activity Special Use Area Inspections

Between April 17 and April 19, 2023, visual reconnaissance was conducted regarding land use conditions for the 19 low-activity special use areas identified in the OU-1/OU-2 ROD. Prior to conducting inspections, P/S conducted outreach with landowners to obtain property access. The results of the land use inspections include three potential outcomes: low-activity special use, high-activity special use, or nonresidential. The surveys were completed such that the results could be applied in part or as a whole to the properties, including identifying areas not suitable for removal, if applicable. Photographs and notes (e.g., description of current property use, vegetative cover, presence of buildings/structures) for each area were collected using ArcGIS Survey123 installed on an Apple iPad (10th Generation). The photographs and notes documented for each low-activity special use area are included in Appendix A-1.

2.2.2 Low-Activity Special Use Area Inspection Results

The results of these PDI inspections and subsequent data evaluations show that 7 of the 19 properties have experienced changes since they were initially identified in the OU-1/OU-2 ROD. The basis for change associated with these 7 properties are summarized below including references to the applicable figures in Appendix A:

- Two of the properties identified in the OU-1/OU-2 ROD with low-activity special use areas are no longer used for low-activity special use purposes and are considered nonresidential areas. Based on existing PCB results for these areas, remedial activities are not needed to achieve the remedial goal for nonresidential soil. Given these circumstances, PDI sampling and remediation for these two properties are not required. These two properties are identified on the Appendix A-1 figures as property identification number (PPIN) 17523 (Figure 1-1g) and 18311 Figure 1-1j),
- Three of the properties with low-activity special use areas have PCB results for composite samples that are below the required remedial goal for surface soil (1 mg/kg). Based on the USEPA-approved approach, the composite sample results take precedent over grab sample results for these three properties, and PDI sampling and remediation are not required. These three properties are shown on the Appendix A-1 figures and include PPIN 19313 (Figure 1-1f), 30865 Figure (1-1e), and 19406 through 19408 (Figure 1-1c).
- One of the properties with low-activity special use areas has PCB results for composite samples that are below the required remedial goal in surface soil (1 mg/kg). Based on the USEPA-approved approach, the composite sample results take precedent over grab sample results for two of the four low-activity special use subareas on the property. Based on this, PDI sampling and remediation are not required for two of the low-activity special use subareas, but will be required for the other two subareas. This property is listed as PPIN 18536 and is shown on Figure 1-1h of Appendix A-1.
- One of the properties with a low-activity special use area is unsuitable for removal due to overgrown vegetation. Based on this, PDI sampling and remediation were not required at this point. This property is listed as PPIN 20717 and is shown on Figure 1-1d of Appendix A-1. This low-activity special use area will be monitored over the long-term in terms of the status of vegetative cover.

The findings presented above for the low-activity special properties were provided to USEPA in the Interim Report (Appendix A-1) on July 20, 2023. Comments from USEPA were received via an email from Pamela Scully dated August 8, 2023, and are included as Appendix A-2 to this PDI Evaluation Report. The comments from USEPA have been addressed through clarifications included in this PDI Evaluation Report. The clarifications related to the low-activity special use properties include the following:

- Providing specific PPIN references in the bullets above for the low-activity special use areas that did not require sampling as part of the PDI. This clarifying text includes references to the applicable figures in the Appendix A-1 Interim Report.

- Including sample numbers on the Section 2 data tables along with references to the specific Section 2 figures where the results for the sampling areas are shown with a color-based approach for PCB concentration ranges.
- Revising Figure 3-2 in Appendix A-1 to reflect the observed depth of the geotextile marker layer at 17 inches bgs at location P01B, ensuring consistency with the corresponding text description in the Appendix A-1 Interim Report.

2.2.3 Subsurface Soil Sampling for the Low-Activity Special Use Areas

Subsurface soil sampling was conducted for the low-activity special use areas that were determined to still support low-activity special uses and were not unsuitable for removal between July 24, 2023, and August 14, 2023. The subsurface composite samples were collected for these areas as described in the PDIWP (P/S 2022). As noted above, surface soil sampling was not conducted for the low-activity special use areas because remediation of the areas is already required under the OU-1/OU-2 ROD.

Composite subsurface soil samples were collected from 25 locations noting that some properties have multiple low-activity special use areas. Composite samples were collected from three soil depth intervals: 1–2 ft bgs, 2–3 ft bgs, and 3–4 ft bgs. Composite samples collected from the soil depths of 2–3 ft bgs and 3–4 ft bgs were archived at Eurofins pending analysis of the composite sample collected from 1–2 ft bgs. The subsequent depth interval sample was analyzed if PCB concentrations detected in the analyzed interval were greater than or equal to 1 mg/kg. This was done to identify potential soil management needs for these low-activity special use areas and to evaluate PCB concentrations relative to the subsurface soil remedial goal of 97 mg/kg.

Prior to sampling in each low-activity special use area, the field crew identified the five sample locations and cleared any excess debris or vegetation from the sample locations to expose the ground surface. The borings were advanced using a direct-push drill rig or hand auger to the depth intervals identified above, and the material collected from the five locations was homogenized to form a composite sample for each low-activity special use area. Composited material was transferred to laboratory-supplied containers and submitted to Eurofins for analysis of PCB Aroclors (USEPA SW-846 8082A). Nondedicated sampling equipment was decontaminated between sampling locations and intervals in the low-activity special use areas.

2.2.4 Subsurface Soil Sampling Results for the Low-Activity Special Use Areas

The subsurface soil PCB results for the 25 locations are presented in Table 2-2, including the results of field duplicates. The results are also shown on Figures 2-2a through 2-2j. Only 2 of the 25 locations had PCB concentrations in the 1–2 ft interval greater than or equal to 1 mg/kg. One of these locations was a single subarea for PPIN 21033 (Figure 2-2a) with a PCB concentration of 2.03 mg/kg in the 1–2 ft interval. The PCB concentration at this location for the 2–3 ft interval was 0.076 mg/kg. The other location with a PCB concentration greater than or equal to 1 mg/kg is shown on the northwest corner of Figure 2-2b. The PCB concentration for the 1–2 ft interval for one of the subareas on this property (PPIN 18084) was 1.61 mg/kg. The PCB concentration at this location for the 2–3 ft horizon was 0.026 mg/kg.

None of the low-activity special use areas have subsurface soil with PCB concentrations greater than or equal to the remedial goal of 97 mg/kg. From a potential soil management perspective, there were only two low-activity special use subareas with PCB concentrations above 1 mg/kg in the 1–2 ft horizon.

2.3 Interim Measures and Nonresidential Areas

The soil sampling activities and results for IM and nonresidential areas are described in Sections 2.3.1 and 2.3.2. The individual soil boring that was conducted at the PB-RR-37 area to a depth of 10 ft is discussed in Section 2.3.3, and an evaluation of groundwater for the area north of the Miller property is presented in Section 2.3.4.

2.3.1 Soil Sampling for the Interim Measure and Nonresidential Areas

Surface and subsurface soil sampling were completed in IM areas between July 25 and August 12, 2023 (Figures 2-3a through 2-3e). During implementation of the PDI, composite sampling was also conducted for surface soil (0–1 ft) in the area surrounding location PB-RR-37 (Figure 2-3e) to assess whether PCB concentrations in that area are greater than or equal to 21 mg/kg. Two individual split samples were also evaluated from the easternmost end of the drainage ditch to the east of the PB-RR-37 for comparison of PCB concentrations to the Snow Creek remedial goal of 3 mg/kg. This sampling was conducted based on the potential for soil at the easternmost end of this ditch to migrate into Snow Creek with surface water runoff. Subsurface soil sampling efforts also included the IM area located along the western side of Clydesdale Avenue just north of the railroad tracks (the Brown Automotive area) where surface soil remediation has already been completed (Figure 2-3a).

Surface and subsurface soil sampling were completed in nonresidential areas between July 28, 2023, and February 14, 2024 (Figures 2-4a through 2-4h). The PDI was conducted for the PCB remediation footprints shown on the figures to evaluate conditions compared to the subsurface soil remedial goal of 97 mg/kg. One of the nonresidential remediation footprints shown on Figure 2-4a (i.e., parcel next to Brown Avenue [PPIN 19312]) no longer requires remediation because the property was remediated as a residential property under the non-time-critical removal action program after the OU-1/OU-2 ROD was issued. This property is in exposure unit (EU)7 along its border with EU5 (Figure 2-4a), and remediation included removing surface and subsurface soil.

Two soil sampling methods were used to collect soil samples in IM and nonresidential areas: composite soil sampling and the incremental sampling methodology (ISM). The method used for soil sampling was dependent on the size of the contiguous area to be sampled. Composite samples were collected from areas that were less than or equal to 0.5 acres, and ISM was implemented in areas that were greater than 0.5 acres. Soil sampling performed in IM and nonresidential areas using these two methods are presented in the subsections below.

2.3.1.1 Composite Soil Samples (areas less than 0.5 Acres)

Five-point composite subsurface soil samples were collected in IM and nonresidential areas where the size of the contiguous area to be sampled was less than or equal to 0.5 acres. All of the IM areas and 12 of the nonresidential areas evaluated under the PDI were less than 0.5 acres and were

sampled by collecting a 5-point composite per 0.25-acre area. Composite samples were collected from three soil depths: 1–2 ft bgs, 2–3 ft bgs, and 3–4 ft.

- Prior to sampling, the field crew identified the five sample locations within each area and cleared debris or vegetation from the sample locations to expose ground surface.
- At each sample location, borings were advanced using a direct-push drill rig or hand auger to depths of 1–2 ft, 2–3 ft, and 3–4 ft.
- For each depth interval, material collected from the five locations was homogenized to form a composite sample for each IM or nonresidential area.
- Composited material was transferred to laboratory-supplied containers and submitted to Eurofins for analysis of PCB Aroclors (USEPA SW-846 8082A).
- Nondedicated sampling equipment was decontaminated between sampling locations and intervals in the individual IM and nonresidential areas.

Composite samples collected from the soil depths of 2–3 ft bgs and 3–4 ft bgs were archived at Eurofins pending analysis of the composite sample collected from 1–2 ft bgs. If analysis results showed PCB concentrations for samples from 1–2 ft bgs were above the PCB remedial goal for subsurface soil (97 mg/kg), samples from the next interval (2–3 ft bgs) were analyzed. If results from the 2–3ft interval were above 97 mg/kg, samples from 3–4 ft bgs were analyzed.

Sampling efforts included collecting 5-point composite soil samples from the drainage ditches located upstream and downstream of PB-RR-37 (Figure 2-3e). Additionally, during collection of the 5-point composite samples, individual split samples (aliquots) for the two locations closest to Snow Creek were collected from 0–1 ft bgs and analyzed for PCBs. Samples collected from the soil depths of 1–2 ft and below were archived at the analytical laboratory pending analysis of samples collected from 0–1 ft bgs.

2.3.1.2 ISM Soil Samples (areas greater than 0.5 acres)

The subsurface soil in nonresidential areas that are larger than 0.5 acres were sampled using ISM in accordance with the Interstate Technology Regulatory Council (ITRC) *Technical Guidance: Incremental Sampling Methodology Update (ISM-2)* (ITRC 2020) and Attachment A-12 (Incremental Sampling Methodology Procedures) of the UFP-QAPP.

ISM is a probabilistic sampling method used to evaluate the representative concentration of a constituent in an area. It is designed to provide an unbiased and statistically valid estimate of the mean concentration of analyzed constituents within each sample area of the IM areas. ISM was developed to decrease the effect of soil sample variability due to heterogeneity and provides a reasonably unbiased estimate of mean concentration in a defined soil volume, referred to as a decision unit (DU) (ITRC 2020).

Subsurface soil samples were collected for three nonresidential areas using an ISM approach. These areas included the western portion of EU5 (Figure 2-4a), Highway 202 (Figure 2-4e) and

EU19-South (Figure 2-4f). The areas were sampled as three DUs based on the following sample depths: 1–2 ft bgs, 2–3 ft bgs, and 3–4 ft bgs:

- Prior to sampling, the field crew located the horizontal boundaries of nonresidential areas using a handheld global positioning system (GPS) unit.
- The footprint of the nonresidential areas were subdivided into a stratified grid of 30 cells and 1 increment was collected from soil cores within each grid cell.
- A total of 30 increments were collected per DU and composited into an increment sample.
- Surface debris was removed in the immediate vicinity of the increment location prior to sampling.
- Soil cores were collected at each increment location using a direct-push drill rig operated by Walker-Hill Environmental, Inc.
- Soil increments were described using visual-manual procedures of ASTM International (ASTM) Standard D2488, which is based on the Unified Soil Classification System (USCS).
- A representative subsample of approximately equal mass from each increment was collected using the plug subsampling technique (i.e., soil material from each core was collected using a plug-type sampler [TerraCore®] equally spaced from one another along the length of the core), in accordance with the ITRC ISM-2 guidance.
- The representative subsamples from the 30 increments were homogenized to form a complete ISM subsample for each DU.

Field triplicate ISM samples, which consisted of the original increment sample plus two replicate increment samples, were collected at the EU19- South location. The field replicates were collected using the same methods used for the original ISM increment sample. Replicate increment locations were unique from the original increment locations and were accessed using a different sampling path in the DU than the original ISM increment sample locations. For example, if the original ISM increment sample was collected by following a path from north to south starting in the west and moving east to access each increment location, a replicate increment sample was collected by following a path from south to north starting in the east and moving west to access each increment location.

After samples were collected and homogenized, sample material was transferred into zip-top bags. The zip-top bags were submitted to Eurofins for analysis of PCB Aroclors using USEPA Method SW-846 8082. The ISM samples collected from the soil depths of 2–3 ft bgs and 3–4 ft bgs were archived pending analysis of the ISM samples collected from 1–2 ft bgs. If PCB concentrations detected in the sample were above the PCB remedial goal for subsurface soil (97 mg/kg), samples from the next interval were analyzed. For example, if PCB concentrations in ISM samples collected from the 1–2-ft bgs DU were detected above the remedial goal for subsurface soil (97 mg/kg), the ISM samples collected from the 2–3 ft bgs DU were analyzed.

2.3.2 Soil Sampling Results for the Interim Measure and Nonresidential Areas

A discussion of soil sampling results for the IM areas is presented in Section 2.3.2.1. The discussion includes results for the soil sampling that was conducted for the PB-RR-37 area and the associated drainageways located to the east and west of the PB-RR-37 area. The area to the west of PB-RR-37 also includes a drainageway north of the Miller property IM. The PB-RR-37 results and results for sampling conducted for the drainageway north of the Miller property IM are presented with the results of the IM areas given their general proximity to one another. A separate discussion of the soil boring that was conducted to a depth of 10 ft at the PB-RR-37 location is in Section 2.3.3. The soil sampling results for nonresidential areas are discussed in Section 2.3.2.2.

For the subsurface soil results, the remedial goal is PCB concentrations less than 97 mg/kg. For surface soil samples, the remedial goal is PCB concentrations less than 21 mg/kg except for the easternmost end of the drainageway to the east of PB-RR-37 where the remedial goal is PCB concentrations in surface soil with concentrations less than 3 mg/kg based on the potential migration of this soil via surface water runoff to Snow Creek where the remedial goal is 3 mg/kg.

2.3.2.1 Interim Measures Areas and PB-RR-37

Five-point composite subsurface soil samples were collected from locations in IM areas as all were less than 0.5 acres. The analysis of samples for PCBs from the IM areas started with the 1–2 ft bgs interval and only proceeded to the next depth increment if results showed that PCB concentration were greater than or equal to 97 mg/kg. The PCB results discussed below are shown on Figures 2-3a through 2-3e. The PCB soil results for the IM areas are presented in Table 2-3 and include the results for the drainageway north of the Miller property IM. The PCB results for samples collected for the PB-RR-37 area are presented in Table 2-5. The findings of the investigations are as follows:

- The two IM areas shown on Figure 2-3a had PCB concentrations less than 97 mg/kg in the 1–2 ft bgs horizon. These include 1.69 mg/kg for the PB-ASP-08 area and 21.9 mg/kg for the Brown Automotive area.
- The two IM areas shown on Figure 2-3b had PCB concentrations less than 97 mg/kg in the 1–2 ft bgs horizon. These include 25.8 mg/kg for the WEL042 area and 22.3 mg/kg for the GASCO07 area.
- The IM area shown on Figure 2-3c (SED1430R225) had a PCB concentration less than 97 mg/kg in the 1–2 ft bgs horizon (2.37 mg/kg).
- The IM area shown on Figure 2-3d (SED0010R25-50) had PCB concentrations of 521 mg/kg in the 1–2 ft bgs horizon and 3.59 mg/kg in the 2–3 ft horizon.
- Figure 2-3e includes the PB-RR-37 area, the drainageways located to the east and west, and the drainageway north of the Miller property IM. The findings for these areas from west-to-east are as follows:
    - PCB concentrations for the composite samples collected for the area north of the Miller property were all greater than or equal to the remedial goal of 97 mg/kg. The PCB concentrations included 2,064 mg/kg for depth interval of 1–2 ft bgs,

797 mg/kg for 2–3 ft bgs, 425 mg/kg 3–4 ft bgs, 933 mg/kg for 4–5 ft bgs, and 1,265 mg/kg for 5–6 ft bgs. Based on potential concerns for groundwater in this area, a separate evaluation was conducted for groundwater and is presented in Section 2.3.4.

- The surface soil PCB concentration for the drainageway to the west of PB-RR-37 was 19.2 mg/kg, which is below the remedial goal of 21 mg/kg.
- The surface soil PCB concentration for the PB-RR-37 area was 6.1 mg/kg based on the sum of PCB Aroclors and 3.7 mg/kg based on the sum of PCB homologs. Both concentrations are below the remedial goal of 21 mg/kg.
- The surface soil PCB concentration for the 5-point composite sample collected for the drainageway to the east of PB-RR-37 was 7.4 mg/kg. The two sample results for the easternmost portion of the eastern drainageway were 3.3 mg/kg and 3.7 mg/kg, which are both greater than the remedial goal of 3 mg/kg.

2.3.2.2 Nonresidential Areas

Subsurface soil was sampled in nonresidential areas for the target remedial footprints identified in the OU-1/OU-2 ROD for comparison to the subsurface remedial goal of 97 mg/kg. Composite subsurface soil samples were collected from locations in nonresidential areas that were less than or equal to 0.5 acres, and ISM samples were collected in the nonresidential areas larger than 0.5 acres.

Composite and ISM samples were collected from three soil depth intervals (1–2 ft bgs, 2–3 ft bgs, and 3–4 ft bgs). Composite samples collected from the soil depths of 2–3 ft and 3–4 ft were archived pending analysis of the composite sample collected from 1–2 ft bgs. The subsequent depth interval sample was analyzed if PCB concentrations measured in the analyzed interval were greater than or equal to the PCB remedial goal for subsurface soil of 97 mg/kg.

The PCB results are presented in Table 2-4 and on Figures 2-4a through 2-4h. Total PCB concentrations ranged from 0.019 to 96 mg/kg in subsurface samples collected from nonresidential areas. Field triplicate ISM samples collected at the EU19-South location were analyzed and had concentrations of total PCB Aroclors of 61 mg/kg, 53 mg/kg, and 69 mg/kg. The results are relatively consistent, with a range of 16 mg/kg and a relative percent difference (RPD) of approximately 13% across the dataset. This level of variability is within the expected precision for ISM replicates and supports that the sampling approach produced representative, reproducible results. All sample results were below the remedial goal for subsurface soil of 97 mg/kg.

2.3.3 Discrete Boring at PB-RR-37

On July 29, 2023, surface and subsurface soil samples were collected from a discrete location near PB-RR-37 (Figure 2-5). The details of the investigation activities were previously reported in the PB-RR-37 Area Interim Report, which is included in Appendix D of this report, and are briefly summarized herein. Drilling activities were conducted in accordance with the PDIWP, under the direction of an Alabama-licensed water well driller, with oversight provided by an Alabama-licensed professional geologist. The rotosonic drilling method was employed to advance the soil

boring to a total depth of 25 ft bgs. Soil cores were collected continuously during drilling, and soils were logged in general accordance with the USCS. The relevant boring log is presented in the PB-RR-37 Area Interim Report. Drilling was conducted without the use of water to minimize interference in determining the soil–groundwater interface. No groundwater saturation was observed during soil logging to a total depth of 25 ft bgs. After reaching a depth of 25 ft bgs, the borehole was left open for approximately 1 hour and did not produce any measurable water. The borehole was subsequently backfilled to the surface with a 95% Portland cement and 5% bentonite grout mixture.

Soil sampling was conducted in accordance with the PDIWP. Soil samples were collected in discrete 1 ft intervals across the entirety of the borehole (0–1 ft bgs, 1–2 ft bgs, 2–3 ft bgs, etc.) for a total of 1 surface soil sample and 24 subsurface soil samples. Soil from each 1 ft interval was homogenized in a clean stainless-steel bowl with a clean stainless-steel spoon prior to collection. Soil samples were collected in laboratory-supplied containers and submitted to Eurofins for analysis of PCB Aroclors (USEPA SW-846 8082A) and PCB homologs (USEPA SW-846 680). The soil samples from each 1 ft interval from 0–10 ft bgs were submitted for analysis upon laboratory receipt. The soil samples from each 1 ft interval from 10–25 ft bgs were submitted on hold pending the results of the shallower soil samples. Nondedicated sampling equipment was decontaminated between sample intervals.

The PCB results are presented in Table 2-5 and shown on Figure 2-5. PCB concentrations in the soil sample collected from the 0–1 ft depth interval were consistent with the lower historical surface soil sample result of 2.3 mg/kg from PB-RR-40 and not the higher PB-RR-37 sample result of 3,700 mg/kg. PCB Aroclors and PCB homologs were not detected in soil samples collected from depth intervals from 3–10 ft bgs (PCB detection limits of 0.02 mg/kg and 0.017 mg/kg, respectively). Soil samples collected from 10–25 ft bgs were not analyzed due to decreasing PCB concentrations in the samples collected from 0–3 ft bgs and PCBs not being detected in samples collected from 3–10 ft bgs.

2.3.4 Drainageway North of the Miller Property IM Groundwater Assessment

PCB concentrations were found to be above the remedial goal for subsurface soil in the drainageway north of the Miller property IM as discussed in Section 2.3.2. An evaluation of the potential groundwater impacts using a proactive and adaptive investigation approach was conducted in the spring of 2025.

The locations of the composite soil samples collected for the area north of the Miller property IM are shown on Exhibit 1 as red triangles. Nearby groundwater monitoring wells (CMW-1, CMW-2, and CMW-3) are indicated in green on Exhibit 1. Groundwater well CMW-3 is nearest and located approximately 70 ft downgradient from the nearest composite sampling location.

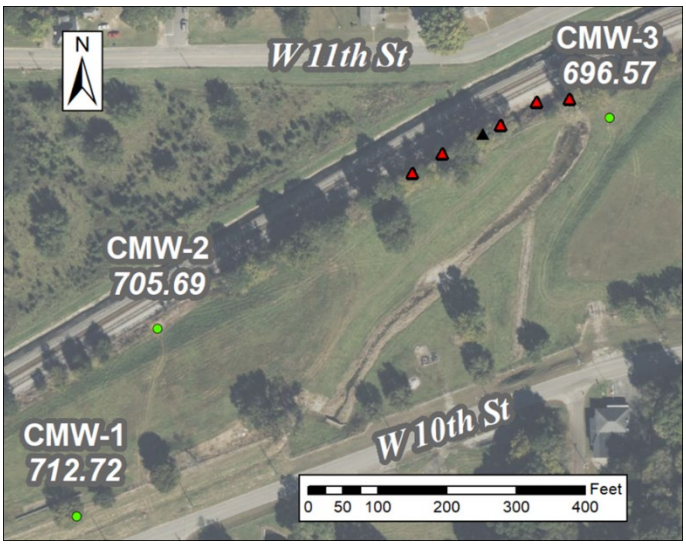


Exhibit 1: Composite Soil Sample Locations for Area North of Miller Property. Sampling locations in the ditch north of the Miller Property (in red) for sample ID SO-EASTSIDE; locations of nearby monitoring wells (in green) with recent water level elevations from April 2024 identified in white text.

Groundwater samples were collected from monitoring well CMW-3 on May 12, 2025, to assess the potential for PCBs being released from soil to groundwater in the area north of the Miller property. The samples were collected using the approach included in Attachment A-7 (Groundwater Sampling Procedure) to the UFP-QAPP. An unfiltered sample and a filtered (0.1-micron) sample were collected as well as QA/QC samples (including an unfiltered duplicate, an equipment blank, and a source blank). Samples were submitted to Eurofins for laboratory analysis of PCB Aroclors by USEPA Method 8082A and PCB homologs by USEPA Method 680. The PCB results for the filtered and unfiltered samples are presented in Table 2-6; both were nondetect. Since PCBs have not been detected in CMW-3 and all detection limits were sufficiently at or below the remedial goal of 0.5 µg/L, the findings suggest that PCBs observed in soil at depth north of the Miller property are not leaching to groundwater. Based on these findings, no further groundwater investigation activities are proposed for the drainageway north of the Miller property IM.

2.4 Geotechnical Investigation

The PDI activities included completing four geotechnical borings in the T-11 area to collect soil samples for geotechnical laboratory testing. The information gained from the borings and laboratory testing will be used to support the engineering design for areas where soil will be excavated and bank stabilization will be completed. A description of the geotechnical investigation activities and laboratory results are provided in Sections 2.4.1 and Section 2.4.2, and the subsurface investigation results are described in Section 2.4.3. An evaluation of site conditions and the laboratory testing results relative to engineering design considerations are provided in Section 2.4.4.

2.4.1 Geotechnical Investigation Activities

The soil drilling was conducted by Cascade Drilling between July 28 and August 1, 2023, with oversight from a Geosyntec representative. The geotechnical borings were performed within the general areas where the remedial action excavation and bank stabilization will be completed (Figure 2-6). Four soil borings were advanced using a track-mounted sonic drill rig. Boring GTB-01 was advanced to a target depth of 30 ft. Similarly, boring GTB-02 was advanced to a depth of 25 ft, while GTB-03 and GTB-04 were advanced to a depth of 20 ft.

Standard penetration tests (SPTs) were performed in general accordance with ASTM D1586, *Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils*. Samples were collected by driving a 2-inch-inside-diameter split-spoon sampler with a 140-pound hammer from a 30-inch drop height. The SPTs were performed continuously in 2 ft intervals from 0 to 16 ft bgs for GTB-01 and GTB-02, up to 12 ft bgs for GTB-03, and up to 18 ft bgs for GTB-04. At each boring location, the split-barrel sampler was first seated 6 inches and then driven an additional 18 inches. The number of hammer blows (i.e., blow counts) required to drive the sampler each 6 inches was recorded. The blow counts required to advance the sampler through the middle 12-inch interval represent the N-value, which, when properly interpreted, is an index of soil strength, relative density (for granular soil), and consistency (for fine-grained soil). Sample recovery and measured SPT N-values are summarized in Table 2-7.

Split-barrel samples collected at each sampling interval were logged and visually classified in accordance with ASTM D2488, *Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*. At select depth intervals, one undisturbed sample from each borehole was collected from a cohesive soil layer using 30-inch thin-walled (i.e., Shelby) tubes. Field boring logs are provided in Appendix B and include soil classifications, sample recovery percentage, SPT blow counts and corresponding N-values, and relevant observations made during the drilling process. Representative portions of the soil samples obtained from the split-spoon samplers were placed in sample bags, marked with the corresponding boring designation and depth interval, and submitted for geotechnical laboratory analysis.

Once drilling was complete, each borehole was tremie grouted from the bottom of the borehole to the ground surface. Soil and liquid investigation-derived waste (IDW) generated during drilling was containerized and managed as described in Section 2.6. The split-spoon samplers and other reusable tools were decontaminated at each sample location.

2.4.2 Geotechnical Laboratory Testing Results

Representative soil samples from the split-spoon samplers and Shelby tubes were selected for laboratory testing to evaluate their index properties and engineering classification. Geotechnical laboratory tests were conducted by GeoTesting Express, LLC, at their Atlanta laboratory. All testing was performed in general accordance with applicable ASTM standards. The laboratory program included the following tests:

- Natural Moisture Content (ASTM D2216)

- Particle-Size Analysis (ASTM D6913 and ASTM D7928)
- Atterberg Limits (ASTM D4318)
- Engineering Classification (ASTM D2487)
- Consolidated Undrained Triaxial Compression Test (ASTM D4767)

The engineering classification of tested samples was used to confirm visual soil descriptions on the field boring logs. The laboratory test results are summarized in Table 2-8, and individual test reports are provided in Appendix C.

2.4.3 Subsurface Investigation Results

The subsurface investigations results are described below and include discussions of stratigraphy (Section 2.4.3.1), groundwater conditions (Section 2.4.3.2), soil index properties (Section 2.4.3.3) and effective-stress shear strength for the cohesive soils (Section 2.4.3.4).

2.4.3.1 Soil Stratigraphy

The subsurface stratigraphy was developed based on visual observations from the boring as well as the laboratory test data. Stratigraphic units encountered during field exploration were generally consistent with published geological information.

Based on field observations and laboratory test data, the soils in the T-11 area are mostly classified as soft to hard lean clays, with a few samples classified as clayey sand, sandy silt, silty sand, and fat clays. The SPT N-values range from 3 to 79 blows per foot (Table 2-7) and generally increase with depth as soils became denser.

2.4.3.2 Groundwater Conditions

During the field investigation, groundwater was encountered in one boring (GTB-01) at 7.5 ft bgs at the time of boring completion. Groundwater was not encountered at other boring locations.

2.4.3.3 Soil Index Properties

Index properties provide a general indication of the physical characteristics of soil and are used for soil classification. Representative soil samples from all four borings were tested for moisture content, particle-size analysis, and hydrometer analysis to evaluate index properties and engineering classifications. The laboratory test results are presented in Table 2-8.

The moisture content of the samples tested ranges from approximately 8% to 29%, with an average of 21%. No obvious trend was observed in moisture content versus depth. The fines content of the samples tested (materials passing the #200 sieve) ranged from 25% to 89%, with an average of 64%. Gravel content ranges from 0% to 29%, with a median of 9%. Additionally, hydrometer analysis indicated that clay content ranges from 1% to 42%, with a median of 24%.

The liquid limit of the samples tested ranged from nonplastic to 55, and the plasticity index from nonplastic to 28. Out of the 16 samples tested Atterberg limits, only 2 samples tested as nonplastic.

Soil classification, based on USCS, resulted in more than 60% of the samples classifying as lean clay, with a few classified as clayey sand, sandy silt, silty sand, and fat clay.

2.4.3.4 Soil Effective-Stress Shear Strength

The effective-stress shear strength parameters (i.e., effective friction angle, ϕ', and effective cohesion, c') were derived from the results of isotropically consolidated undrained (CU) triaxial compression tests, with pore pressure measurements. The tests were performed on undisturbed Shelby tube samples from boreholes GBT-01, GBT-02, GBT-03, and GBT-04. The mean effective stress versus shear stress (p'-q) diagram for these CU triaxial compression tests is shown in Figure 2-7. All the test results fall close to a failure envelope defined by an effective friction angle (ϕ′) of 33 degrees and effective cohesion (c') of 152 pounds per square inch.

2.4.4 Excavation Design and Construction Considerations

Results from the geotechnical field investigation indicate that soft to hard soils will be encountered during ground excavation in the T-11 area. Recommended considerations during excavation vary based on Site conditions and are as follows:

- All excavation activities must adhere to local, state, and federal safety regulations, including the Occupational Safety and Health Administration (OSHA) current excavation and trench safety standards (OSHA 2015) to ensure stability and safe working conditions. Based on the field investigation and laboratory test data, the soils on-site are considered to be between Type A and Type B as per OSHA standards. Excavations deeper than 5 ft must be sloped not steeper than a 1 horizontal to 1 vertical (1:1) slope or supported. It is recommended that this same slope guidance be applied to excavations less than 5 ft deep.
- Water can accumulate in excavation areas due to infiltration, precipitation, and surface water runoff. Conventional dewatering methods, such as pumping from sumps, should be adequate to remove accumulated water from excavation areas recognizing that treatment and/or off-site disposal may be required for accumulated waters from some locations.
- Rock or large boulders were not encountered at the plan depth of the field investigations, If rock or large boulders are encountered, the engineering designs may be modified to leave the rock or large boulders in place. If a structure was to be built in the area, the area may be overexcavated and then backfilled with compacted fill materials.

2.5 Inspection of Hall Street IM Area Cover Soil

A routine inspection of the Hall Street IM area indicated that portions of the surface soil isolation cover were disturbed. This soil disturbance occurred when a utility construction contractor staged construction equipment on the surface of the IM. As a follow-up to this observation, an inspection of the Hall Street IM was conducted on April 19, and June 1, 2023. This inspection evaluated whether portions of the IM cover require augmentation to meet the IM design requirements (i.e., presence of geotextile marker layer, 12-inch soil cover layer, and vegetative cover).

2.5.1 Predesign Investigation Activities Completed

Due to the intrusive subsurface work (i.e., hand-augering) planned as part of the Hall Street IM area inspection, an Alabama 811 request was filed on April 13, 2023. Ticket 231031881 was generated for the Hall Street IM area. APCO (electric), Anniston Water Works & Sewer Board (water), AT&T, and Spire Alabama, Inc. (gas) indicated no conflict for the area requested on April 17, 2023. Anniston Water Works & Sewer Board (sewer) marked facilities located within or adjacent to the Hall Street IM Area.

2.5.1.1 April 2023 Inspection

On April 19, 2023, the condition of the Hall Street IM area surface soil cover was inspected. The visual inspection component of the Hall Street IM area PDI included observation and photographs to document the most recent conditions of the surface soil cover (Appendix A-1).

In addition to collecting photographs and documenting observations, the field crew collected soil cores using a small-diameter hand-auger at 14 locations within the Hall Street IM area (Figure 3-1 of Appendix A-1) to confirm the thickness of the cover soil. Hand-augering was terminated once the marker layer was observed or when the hand-auger was advanced to a depth of 18 to 20 inches where no marker layer was observed. The location was then backfilled with clean sand to the ground surface. Soil cuttings were managed for off-site disposal at an appropriate facility as discussed in Section 2.6.

2.5.1.2 June 2023 Inspection

On June 1, 2023, a supplemental investigation of conditions of the Hall Street IM area surface soil cover was completed to further investigate the thickness of the cover soil and presence of a geotextile marker layer. The geotextile marker layer was observed at 9 of 14 locations at depths between 12 and 16 inches below ground surface (Figure 3-1 of Appendix A-1). The geotextile marker layer was not identified at five locations, including P01 through P04 and P08. There was a visible break in the strata (material type) at all locations, indicating the presence of a fill throughout the area (Appendix A-1). For locations where the geotextile marker layer was observed, the change in strata coincided with the depth below ground surface where the geotextile marker layer was encountered.

For the June 2023 supplemental inspection, the five locations where the geotextile marker layer was not encountered using the small-diameter hand-auger were used as the starting locations. Larger hand tools (3-inch hand auger, shovels, or equivalent) were advanced at the five locations (P01 through P04 and P08). Advancement of the hand tools was terminated once either the marker layer (confirmed at three locations) or a change in strata was observed or if the hand tools had been advanced to a depth of 36 inches. No step-outs from the five supplemental investigation locations were needed to satisfy DQOs because either the geotextile marker layer was observed or a visible change in strata was encountered at all locations. Once the work at a location was completed, the location was backfilled with clean sand to ground surface. Soil cuttings were managed for off-site disposal at an appropriate facility.

Photographs and observations were collected and documented using ArcGIS Survey123 and are included in Appendix A-1.

2.6 Characterization and Management of Investigation-Derived Waste

IDW generated during the sediment investigation consisted of used personal protective equipment, disposable sampling materials, and excess homogenized sample material. No liquid IDW was generated during the investigations conducted for the low-activity special use areas, the IM areas, the nonresidential soil areas, or the Hall Street investigations. Excess soil IDW from the soil investigation activities was placed in a roll-off container that was disposed of at Chemical Waste Management (Emelle, Alabama) under waste profile CM9879 (Anniston PCB Site Consent Decree Waste). Additional details are provided in Appendix D.

2.7 Variances from the Planned Work

Field work was performed in accordance with the PDIWP except for the following minor variances:

- A supplemental inspection of the Hall Street IM area was completed on June 1, 2023, as described above. During the June 2023 work, the field crew used shovels as well as hand augers with 3-inch diameters to provide greater visibility (compared to the initial April 2023 inspection) of the geotextile marker layer or strata change from fill material to native material.
- Groundwater samples were collected from groundwater monitoring well CMW-3 as part of evaluating potential impacts to groundwater in the drainageway north of the Miller property IM where PCBs in subsurface soil were present at depth.

3. GROUNDWATER PREDESIGN INVESTIGATION

The overall purpose of the groundwater PDI was to provide data to support the OU-1/OU-2 RD. The following DQOs were established in the PDIWP for the OU-1/OU-2 groundwater PDI.

- GW-DQO 1: Evaluate whether representative groundwater PCB concentrations at the Eastside Properties (and potentially location PB-RR-37) are above the remedial goal of 0.5 µg/L.
- GW-DQO 2: Gather hydrogeologic data at the T-11 area to support the detailed design of a groundwater extraction-and-treatment system.
- GW-DQO 3: Evaluate potentially efficient and cost-effective granular activated carbon (GAC) media for PCB treatment at the T-11 area.
- GW-DQO 4: Estimate the time for PCB breakthrough in a full-scale GAC system at the T-11 area.

Based on the groundwater conditions encountered at the T-11 area, specifically PCB concentrations very near or below the remedial goal, PDI activities associated with GW-DQOs 3 and 4 were not conducted as part of the groundwater PDI.

3.1 Eastside Properties Groundwater Assessment

Details of the Eastside Properties groundwater investigation activities and findings were reported to USEPA in the August 2024 *Predesign Investigation Interim Data Summary Report: Eastside Properties Groundwater Assessment* (P/S 2024; included as Appendix E). As such, the discussion of PDI activities for the Eastside Properties is limited to a brief overview.

Two monitoring wells, EP-MW-01 and EP-MW-02, and two piezometers, EP-PZ-01 and EP-PZ-02, were installed at the locations shown on Figure 3-7 of the USEPA-approved PDIWP (P/S 2022). These locations were selected in consultation with USEPA in April 2022. Following installation and development, static water levels were measured in the two monitoring wells and two piezometers on eight occasions, and groundwater samples were collected from the two monitoring wells on two occasions. The frequency of data collection was also determined in consultation with USEPA and deemed by USEPA to be sufficient to satisfy GW-DQO 1. The groundwater sampling and testing results indicated that PCB concentrations are not above the remedial goal of 0.5 µg/L, as confirmed by two rounds of groundwater sampling at the Eastside Properties monitoring wells, thereby satisfying GW-DQO 1. On this basis, no further investigation activities are proposed in the Eastside Properties area.

3.2 T-11 Area Groundwater Assessment

3.2.1 Data Gaps and Rationale for PDI Approach at the T-11 Area

Groundwater samples collected from monitoring well T-11 during the remedial investigation in 2008 (Figure 2-12 of the PDIWP) exhibited total PCB concentrations in unfiltered samples ranging from 3.3 µg/L for total PCB Aroclors to 17 µg/L for total PCB homologs. Due to high turbidity

noted in the samples, the monitoring well was redeveloped and resampled. PCB concentrations following redevelopment were reported as below the quantitation limit for PCB Aroclors and 10.4 µg/L for PCB homologs (Environ 2015). Additional samples collected from T-11 in 2012 exhibited a total PCB Aroclor concentration in the unfiltered sample of 12 µg/L and a PCB homolog concentration of 30 µg/L (Environ 2015), which were above the remedial goal of 0.5 µg/L. As noted in the ROD, the PCBs in the floodplain area surrounding T-11 appeared to be unique for the Site and were dominated by the presence of the lesser-chlorinated PCB compounds (e.g., Aroclor 1221 and monochlorobiphenyl and dichlorobiphenyl homolog groups).

Based on these observed groundwater conditions, the ROD specified the following:

> *"installation of a groundwater pump-and-treat system to address groundwater concentrations measured in the T-11 area (figure 9-10). The system would include two extraction wells with pumps that operate using solar power, a temporary carbon filter, and an NPDES discharge to Snow Creek."*(USEPA 2017)

In response to the ROD, GW-DQOs 2, 3, and 4 were developed for the OU-1/OU-2 groundwater PDI specifically to inform the design of a groundwater pump-and-treat system. The PDIWP proposed a three-phase approach to evaluate hydrogeologic and chemical conditions in the T-11 area. Each phase was intended to gather specific data to address the GW-DQOs as follows:

- Phase 1 included redeveloping T-11, collecting groundwater samples for laboratory analysis of PCBs and geochemical parameters to supplement existing characterization data, and confirming the hydraulic conductivity of the transmissive zone through aquifer slug testing.
- Phase 2 involved installing groundwater observation wells to be used in subsequent aquifer pump testing and collecting soil samples for geotechnical analysis.
- Phase 3 involved conducting aquifer pump testing to assess aquifer response and well yield for designing the extraction wells.

The DQOs and the proposed approach were developed under the assumption that current PCB groundwater concentrations were still above the remedial goal of 0.5 µg/L. However, initial PDI sampling results indicated that PCB concentrations in groundwater at T-11 were significantly lower than the samples collected in 2012. The significantly lower PCB concentrations, near or below the remedial goal, prompted a reassessment of the planned PDI activities.

Such a reassessment was provided for in the ROD, which states that

> *"During the remedial design phase, alternate methods for groundwater extraction, treatment, and disposal may be considered" and "The operation of the groundwater extraction and treatment system will be evaluated during remedial design using the Adaptive Site Management (ASM) approach."* (USEPA 2017)

Based on these provisions and through consultation with USEPA, the primary focus of the T-11 PDI shifted from designing a groundwater extraction-and-treatment system to more thoroughly

characterize groundwater conditions at T-11 as an interim step before proceeding with system design. While all three phases of work were completed, the focus of the following sections is on the chemical characterization of groundwater.

3.2.2 Phase 1 Investigation at the T-11 Area

The following sections provide information on the redeveloping, sampling, and aquifer testing activities conducted as part of Phase 1. Field activities were conducted in accordance with section 3.2.2.1 of the PDIWP and consultation with USEPA.

3.2.2.1 Redeveloping T-11

T-11 was redeveloped to achieve two primary objectives:

- To ensure that representative groundwater samples could be collected by minimizing the presence of very fine-grained soil particles
- To ensure that aquifer testing results are representative of aquifer hydraulics by maximizing the well yield

Well redevelopment followed the procedures specified in section 12.0 of Attachment A-6 (Subsurface Drilling and Monitoring Well Installation Procedures) of the UFP-QAPP (Appendix A of the PDIWP).

Between April 11 and 12, 2023, T-11 was redeveloped using bailers. Redevelopment continued until the pH, temperature, and specific conductivity stabilized to within ±0.1 standard units, ±0.5 degrees Celsius (°C), and ±10%, respectively. Approximately 87 gallons of groundwater were removed during redevelopment. Following redevelopment, a portable bladder pump was installed on April 12, 2023, in preparation for groundwater sampling.

3.2.2.2 Groundwater Sampling

On April 13, 2023, groundwater samples were collected from T-11 per Section 3.2.2.1 and Attachment A-7 (Groundwater Sampling Procedure) of the UFP-QAPP (Appendix A of the PDIWP). An unfiltered sample and a filtered (0.1-micron) sample were collected, in addition to QA/QC samples (including a duplicate, a filtered duplicate, an equipment blank, a source blank, and a matrix spike and matrix spike duplicate). Samples were submitted to Eurofins for laboratory analysis of the following:

- PCB Aroclors (USEPA SW-846 8082)
- PCB homologs (USEPA Method 680)
- Total organic carbon (TOC) (dissolved organic carbon for the filtered sample; USEPA Method 9060A)
- Cations (calcium, magnesium, sodium, potassium, manganese, iron; USEPA Method 6010C)
- Anions (sulfate, chloride, nitrate; USEPA Method 300.0)

- Alkalinity (Standard Method 2320B)
- Hardness (Standard Method SM 2340B)
- Total suspended solids (total dissolved solids for the filtered sample; Standard Method 2540D and 2540C)

Following validation of the analytical results, which indicated no detections of PCB Aroclors (Table 3-1) and a detection below the remedial goal for PCB homologs (0.18 µg/L; Table 3-2), a meeting was held with USEPA on June 14, 2023, to discuss the analytical results and the path forward. Collecting confirmation samples for PCB Aroclors and PCB homologs was agreed upon as the path forward. On August 1, 2023, confirmation groundwater samples were collected from T-11 in accordance with Attachment A-7 (Groundwater Sampling Procedure) of the UFP-QAPP (Appendix A of the PDIWP). An unfiltered sample and a filtered (0.1-micron) sample were collected along with an unfiltered duplicate sample and submitted to Eurofins for laboratory analysis of PCB Aroclors by USEPA Method 8082A and PCB homologs by USEPA Method 680.

Following validation of the analytical results, which indicated no detections of PCB Aroclors (Table 3-1) and a detection slightly exceeding the remedial goal for PCB homologs (Table 3-2), another meeting was held with USEPA on November 28, 2023, to discuss the analytical results and the path forward. Continued sampling at a quarterly frequency until eight sampling events were completed (starting with the first PDI sampling event in April 2023) was agreed upon as the path forward to confirm concentrations and allow statistical trend analysis.

The subsequent quarterly sampling events were conducted on June 3, 2024; September 20, 2024; November 19, 2024; February 26, 2025; May 13, 2025; and August 13, 2025. For each of these events, an unfiltered sample, a filtered (0.1-micron) sample, and an unfiltered duplicate sample were collected, along with additional QA/QC samples, and submitted to Eurofins for laboratory analysis of PCB Aroclors by USEPA Method 8082A and PCB homologs by USEPA Method 680. The additional geochemical analytes that were analyzed as part of the initial April 2023 sampling event were analyzed again as part of the sampling event conducted on February 26, 2025 (Table 3-3). The most notable geochemical finding was the consistent presence of TOC, which can serve as an energy source for the biodegradation of organic chemicals, such as PCBs, in groundwater.

In addition, unfiltered groundwater samples collected during the sampling events conducted on June 3, 2024, and February 26, 2025, were submitted to Microbial Insights (Knoxville, Tennessee) for laboratory analysis of bacterial species and functional genes associated with the microbial degradation of chlorinated organic compounds, including PCBs, via the QuantArray-Chlor and CENSUS tests. Both samples indicated detectable levels of bacterial species and functional genes associated with the biodegradation of chlorinated compounds, including PCBs.

3.2.2.3 Aquifer Slug Testing

On April 14, 2023, aquifer testing was conducted in well T-11 following the procedures in Attachment A-10 (Slug Test Procedure) of the UFP-QAPP (Appendix A of the PDIWP). Two separate slugs were used: one slug created a water level rise/fall of approximately 1 ft in the 2-inch

monitoring well, and the other slug created a water level rise/fall of approximately 2 ft in the 2-inch monitoring well. Two falling-head and two rising-head tests were conducted with the 1 ft slug, and two falling head and two rising head tests were conducted with the 2 ft slug for a total of eight tests.

3.2.3 Phase 2 Investigation at the T-11 Area

Three temporary piezometers were installed at various distances and directions from T-11 for subsequent use in hydrogeologic testing (specific capacity testing, aquifer testing, etc.). T11-PZ-01 was installed approximately 10 ft northwest of T-11. T11-PZ-02 was installed approximately 6 ft northeast of T-11. T11-PZ-03 was installed approximately 7 ft south-southwest of T-11 (Figure-3-1).

Drilling and piezometer installation procedures were conducted in accordance with Attachments A-5 (Surface and Subsurface Soil Sampling) and A-6 (Subsurface Drilling and Monitoring Well Installation Procedures) of the UFP-QAPP (Appendix A of the PDIWP). Drilling and piezometer construction activities were completed under the direction of an Alabama-licensed water well driller (Cascade Drilling, LP, Mr. Ricky Davis, Alabama License No. 611), with oversight provided by GSI personnel under the supervision of an Alabama-licensed professional geologist (Mr. Kenneth Walker, Jr., Alabama License No. 1578). Drilling, soil sampling, and well installation activities were conducted from July 26 through August 3, 2023.

The rotosonic drilling method was employed using a temporary isolation casing to minimize the potential for drag down and cross-contamination of the monitored interval with material from shallower depths. An 8-inch-diameter outer isolation casing was installed to 5 ft bgs. A 6-inch-diameter casing was advanced within the inner 8-inch isolation casing to total depths ranging from 15–30 ft bgs for each of the three piezometers. Soil cores were collected continuously during drilling, and the recovered soil core was logged in general accordance with the USCS.

The piezometers were constructed similarly to T-11. The 5 ft screened intervals for the three new piezometers were each set within +/- 0.5 ft of the screened interval depth in T-11 (i.e., 8.5–13.5 ft bgs). The slight variation in the screened interval depths of the piezometers was to ensure that each piezometer's screen intersected its most permeable observed interval within that approximate depth range. The primary difference in piezometer construction occurred in T11-PZ-03. The boring for this piezometer was intended to be drilled to 40 ft bgs for geotechnical testing via split-spoon sampling; however, refusal was encountered at 30 ft bgs. The bottom 15.5 ft of the piezometer was subsequently backfilled with sodium bentonite pellets and hydrated to plug the bottom of the boring.

Well construction consisted of the following primary elements:

- Schedule 40 polyvinyl chloride casing (2 inches in diameter) and screen with flush-threaded joints and O-rings between each pipe section
- No. 10 slot (0.01-inch) well screen placed at approximately 8.5–13.5 ft bgs (+/- 0.5 ft) with a 1 ft bottom sump

- Filter pack consisting of 20/40 mesh size clean silica sand placed from the total depth of the well borehole to 2 ft above the top of the screen (in T11-PZ-03, the filter pack was placed from 15 ft deep to 2 ft above the top of the screen)
- Filter pack seal consisting of 2 ft of sodium bentonite pellets placed beginning at 2 ft above the top of the screen, which was hydrated in place using clean water and allowed to set overnight before proceeding with well construction, with the temporary isolation casings removed from the ground as the filter pack seal was added to the borehole
- Annular seal consisting of a cement-bentonite grout mixture (approximately 95% Portland cement and 5% sodium bentonite) placed above the filter pack seal from the bottom upward
- Surface seal consisting of a concrete plug from 0 to 2 ft bgs
- Concrete pad (approximately 3 ft by 3 ft and 6 inches thick) sloped away from the well with a 4-inch-square steel protective casing with weep hole and locking cap
- Surface casing extending approximately between 3.4 and 3.8 ft above the ground surface with a ventilated well cap

After construction, an Alabama-licensed professional land surveyor determined well coordinates, ground surface, and top-of-casing elevations relative to the Alabama State Plane East coordinate system and North American Datum of 1983 (NAD83). Coordinates and elevations are reported on the boring logs and well construction diagrams in Appendix F.

IDW from the drilling activities was placed in a roll-off container that was disposed of at the Chemical Waste Management facility in Emelle, Alabama under waste profile CM9879 (Anniston PCB Site Consent Decree Waste).

3.2.4 Phase 3 Investigation at the T-11 Area

Aquifer pump testing was conducted from June 3 to June 7, 2024. The specific-capacity (or step-drawdown) test was conducted first to determine the maximum sustainable pumping rate that could be used during the pumping test. The constant-rate pumping test was conducted after groundwater levels fully recovered to static water level conditions following the end of the specific-capacity test. The aquifer specific-capacity test and constant-rate pumping test both followed the procedures in Attachment A-11 (Specific-Capacity and Pumping Test Procedures) of the UFP-QAPP (Appendix A of the PDIWP).

Following water level recovery to static conditions, an additional dewatering test was conducted to provide data for possible alternative methods of groundwater extraction and removal from the T-11 area (e.g., a wellpoint dewatering system). In this test, groundwater was extracted from each of the three piezometers at the maximum possible rates (i.e., keeping the water levels in each piezometer below the bottom of their screened intervals). Extraction rates in the piezometers were manually recorded at frequent intervals, and water levels in T-11 were monitored by a water level transducer.

3.3 Variances from the Planned Work

Field work was performed in accordance with the PDIWP with exception of the following variances:

- In consultation with USEPA, a second groundwater sampling event was conducted at the Eastside Properties to confirm that PCBs are not present at detectable levels with detection limits at or below the remedial goal for PCBs.
- In consultation with USEPA, seven additional groundwater quality sampling events were conducted at the T-11 area, providing a total of eight data points, to confirm PCB concentrations and allow statistical trend analysis.
- Consistent with the adaptive site management approach identified in the ROD, investigation activities associated with the design of a GAC treatment system (i.e., GW-DQOs 3 and 4) were postponed pending the outcome of additional groundwater quality characterization activities at the T-11 area.

3.4 Investigation Results and Discussion

3.4.1 Investigation Results at the Eastside Properties

PCB concentrations do not exceed the remedial goal of 0.5 µg/L (GW-DQO 1), as confirmed by successive rounds of groundwater sampling at the Eastside Properties monitoring wells; therefore, no further investigation activities are proposed in the Eastside Properties area.

Additional results and discussion of the Eastside Properties groundwater assessment are presented in Appendix E.

3.4.2 Investigation Results for the T-11 Area

A summary of PCB Aroclor, PCB homolog, general geochemistry parameters, and microbiological parameters collected in groundwater at T-11 is presented in this section.

3.4.2.1 T-11 Groundwater Quality Results

PCB Aroclors have not been detected at concentrations above the remedial goal of 0.5 µg/L in filtered or unfiltered samples since the PDI sampling program at T-11 began in April 2023 (Table 3-1). The current total PCB Aroclor concentration in unfiltered samples at T-11 has decreased by a factor greater than 24 since the last historical sampling event in 2012 when the measured total PCB Aroclor concentration was 12 µg/L. Individual and total PCB Aroclor concentrations in groundwater at T-11 between April 2023 and August 2025 are presented in Table 3-1.

Total PCB homolog concentrations in unfiltered samples at T-11 have also decreased dramatically since the last historical sampling event in 2012 (Table 3-2). Homolog concentrations in unfiltered samples between 2008 and 2012 ranged from 10 J to 30 J µg/L, while concentrations in unfiltered samples since 2023 had a maximum of 0.68 µg/L, representing a decrease by a factor of at least 44 from historical to present. The average total PCB homolog concentration of the eight unfiltered

original samples collected during the PDI is 0.38 µg/L, which is below the remedial goal of 0.5 µg/L. Individual and total PCB homolog concentrations in groundwater at T-11 between April 2023 and August 2025 are presented in Table 3-2.

General groundwater chemistry results for groundwater samples collected from T-11 as part of the PDI are presented in Table 3-3, and microbiological results for groundwater samples collected from T-11 are presented in Table 3-4. Microbial biodegradation of PCBs is a possible explanation for the decrease in PCB concentrations in T-11 from 2008 to the present. The results shown in Table 3-4 indicate the presence of multiple bacterial species and functional genes in groundwater samples that are capable of reductive dechlorination and aerobic cometabolism, which are microbially mediated reactions resulting in the biodegradation of chlorinated compounds. The consistent TOC levels reported as part of geochemical testing, couples with the presence of bacterial species, could sustain the biodegradation of low-level PCBs, thereby maintaining PCB concentrations below the remedial goal in the T-11 area.

As stated above, the mean reported total PCB homolog concentration in T-11 over the eight sampling events since April 2023 is 0.38 µg/L, which is below the remedial goal of 0.5 µg/L. Five of the eight reported total PCB homolog concentrations from the individual sampling events were also below the remedial goal of 0.5 µg/L, including the most recent sample collected in August 2025. Based on the Mann Kendall trend analysis, the trend in total PCB homolog concentrations in unfiltered samples since April 2008 is decreasing with a confidence factor of 98.7%. Together, these data indicate that overall groundwater quality at T-11 meets the remedial goal, and conditions are expected to remain below the remedial goal based on the statistical trend.

3.4.2.2 T-11 Groundwater Aquifer Testing Results

Aquifer slug testing results indicated that the hydraulic conductivity at T-11 was approximately 1.3 ft per day, which is about 20% of the previously estimated hydraulic conductivity value of 5.9 ft per day. This suggests that, if necessary, future groundwater recovery in the T-11 area could require longer than estimated in the ROD.

Early analysis of the constant-rate pumping test results and dewatering test results suggests that the hydrogeology of the T-11 area is heterogeneous, consistent with the conceptual site model that the T-11 area is primarily composed of fill associated with dredging activities from Snow Creek. Homogenous hydraulic parameters do not adequately fit all the data, which suggests that other factors, such as discontinuous sand lenses, are important to potential groundwater recovery in the T-11 area in the future, if necessary.

The boring logs corroborate the heterogeneity indicated by the aquifer pump testing results. Based on soil logging, no sand lenses were observed in T11-PZ-01. In T11-PZ-02 the most permeable layers are two distinct thin sand lenses within the 9–10 ft bgs interval. In T11-PZ-03, the most permeable layer is an approximately 1.5 ft thick sand lens from 9 to 10.5 ft bgs. In T-11, the most permeable layer is a 2 ft thick sand lens from 8–10 ft bgs.

Constant-rate pumping test results and dewatering test results suggest that T11-PZ-03 has the strongest hydraulic connection to T-11 despite not being the closest piezometer (T11-PZ-02) to

T-11. This observation is likely due to T11-PZ-03 having the thickest sand lens of the three piezometers. If necessary, future groundwater recovery efforts in the T-11 area will need to account for heterogenous conditions and hydraulic connections that vary horizontally over as little as 5 to 10 ft (the approximate distances between T-11 and the surrounding piezometers).

Based on reductions in PCB concentrations over time to undetected or the current low concentrations, full analysis of the hydrogeologic data has not yet been completed. Should future groundwater sampling demonstrate a need for a groundwater extraction-and-treatment system in the T-11 area, the data collected during June 2024 will be further analyzed to evaluate possible system designs.

4. SNOW CREEK SEDIMENT PREDESIGN INVESTIGATION

The overall purpose of the sediment PDI was to further define the chemical and physical characteristics of the sediment in Snow Creek to support the OU-1/OU-2 RD. The following DQOs were established in the PDIWP for the OU-1/OU-2 sediment PDI:

- SED-DQO 1: Provide an updated delineation of the current locations, extents, and depths of sediment deposits within the OU-1/OU-2 portion of Snow Creek as compared to the deposits depicted in the OU-1/OU-2 FS to refine removal volume estimates.
- SED-DQO 2: Refine the current understanding of sediment in the OU-1/OU-2 portion of Snow Creek that exceeds the remedial criteria listed in the ROD to define the lateral and vertical limits of sediment removal.
- SED-DQO 3: Evaluate potentially efficient and cost-effective methods for dewatering and stabilizing sediment excavated from Snow Creek.
- SED-DQO 4: Evaluate treatment technologies that may be necessary to meet the requirements for discharging the supernatant that drains from sediment excavated from the creek.

4.1 Predesign Investigation Activities Completed

As described in the PDIWP, the sediment PDI was separated into a two-phase approach to evaluate the current condition of sediment deposits in the OU-1/OU-2 portion of the creek and gather specific data to address SED-DQO 1 and SED-DQO 2:

- Phase 1 included reconnaissance and probing to identify the current locations of sediment deposits in accessible areas and measure their dimensions to quantify the volume of sediment deposits in the creek.
- Phase 2 included reconnaissance and probing in areas not accessible during Phase 1 as well as sampling the identified sediment deposits to support the delineation of sediment that has PCB and metals concentrations above the cleanup levels defined in the ROD.

4.2 Phase 1 Sediment Probing Investigation Summary

The Phase 1 sediment probing activities were conducted from November 6 to 21, 2023, in accessible areas between the 11th Street Ditch and Highway 78 downstream of Quintard Mall (the downstream end of OU-1/OU-2). The Phase 1 activities and results were summarized in the Phase 1 Interim Report (P/S 2024b) that was submitted to USEPA on May 10, 2024. That report also presented a proposed sediment sampling plan for the Phase 2 sediment sampling based on the results of the Phase 1 PDI. USEPA approved the Phase 1 Interim Report with comments on July 22, 2024. USEPA's comments on the Phase 1 Interim Report were related to how the sediment PDI results are shown on tables and figures and how the Phase 2 sediment sampling sequence is described. Those comments were addressed in the summary text below and in the associated tables and figures. The Phase 1 Interim Report is included with this report as Appendix G-1, and USEPA's approval letter is included in Appendix G-2.

As summarized in the Phase 1 Interim Report, 71 sediment deposits were observed and delineated in the accessible segments of the OU-1/OU-2 portion of Snow Creek. The sediment deposits were identified based on visible observations and where probing indicated that sediment was penetrable with the probe rod to a depth of at least 4 inches and that were at least 50 square ft in area. The results of the PDI sediment probing and sediment deposits were segmented into seven characterization areas along Snow Creek that were established based on differing creek conditions or notable features along the creek identified during the 1999 off-site RCRA facility investigation (RFI; Blasland, Bouck & Lee, Inc. [BBL] 2000).

Figures 4-1a through 4-1cc show the sediment probing locations and identified sediment deposits along Snow Creek. Table 4-1 summarizes the probing data collected. Table 4-2 summarizes the identified sediment deposits. Table 4-3 lists the seven characterization areas and summarizes the number of sediment deposits observed within each characterization area and the total estimated volume of the sediment deposits in each area. These tables and figures summarize information collected during both the Phase 1 and Phase 2 PDI field events to provide a comprehensive summary of the PDI investigation data.

No major structures beyond those listed in Table 3-3 of the PDIWP were observed along Snow Creek during the Phase 1 probing event; however, several utilities, outfalls, minor structures, and areas of debris were documented. The locations where notable structures, utilities, and debris were observed during the Phase 1 field reconnaissance efforts are shown on Figures 4-1a through 4-1cc, and information gathered during the field reconnaissance efforts is summarized on Table 4-4.

4.3 Phase 2 Sediment Probing and Sampling Investigation

Following USEPA approval of the Phase 1 Interim Report, Phase 2 sediment probing and sampling were conducted along the OU-1/OU-2 portion of Snow Creek. The Phase 2 probing and sediment sampling activities were conducted between September 23 and October 30, 2024. The Phase 2 field activities and results are summarized in the following subsections.

As mentioned in the Phase 1 Interim Report, P/S conducted property owner outreach efforts along the OU-1/OU-2 section of Snow Creek to secure access for implementing the PDI activities. At the time of the Phase 1 probing, property access was not granted for a roughly 700 ft segment of Snow Creek between transects T012 and T019 (Figures 4-1b and 4-1c). As a result, Phase 1 sediment probing was not performed in this portion of the creek during the November 2023 field event. Property access was obtained for this section of the creek in 2024 to facilitate PDI sediment probing and sampling within this creek segment in conjunction with the Phase 2 program.

4.3.1 Phase 2 Sediment Probing

During the Phase 2 field event, sediment probing was conducted along portions of Snow Creek not accessible during the 2023 Phase 1 field event, including the creek segment between transects T012 and T019, the Highway 202 culverts (between transects T030 and T032), and the culvert beneath Quintard Mall (between transects T194 and T209).

Within these areas, probing was performed approximately every 100 ft along the channel to identify potential sediment deposits. Sediment deposits were mapped between the 100 ft transects

based on visual observations. The probing was accomplished by wading along Snow Creek during periods of low to normal creek flow. Access into the Highway 202 culverts and Quintard Mall culvert was accomplished by walking into the culverts from the downstream (south) ends of the culverts under a confined space entry procedure. The sediment probing and thickness measurements were conducted using a calibrated, small-diameter (less than 0.5 inches), 36-inch-long, steel probe rod. Where an adequate GPS signal was available, probing locations and the extents of observed sediment deposits were recorded using a pole-mounted Trimble DA2 global navigation satellite system receiver with a Trimble Catalyst 1 positioning service to provide submeter accuracy. The DA2 receiver was linked electronically to a handheld field tablet to record the probing location in real time. Where there was no GPS signal within the Highway 202 culverts and in the culvert beneath Quintard Mall, probing point locations and sediment deposit limits were manually measured and recorded. The locations within the Highway 202 culverts were measured from the ends of the associated concrete box culvert, and the locations beneath Quintard Mall were measured relative to the concrete columns within the culvert.

As described in the PDIWP, the Highway 202 culverts (Figure 4-1e) and the culvert beneath Quintard Mall (Figures 4-1aa through 4-1cc) were designated as confined spaces. As such, special protocols and procedures were followed while conducting sediment probing and sampling within the culverts. Confined space entry plans and a job safety analysis (JSA) were prepared to describe the hazards and confined space entry procedures for working inside these areas. Initial entries into the culverts were conducted under a confined space entry permit with at least two entrants and at least two trained attendants. As required by the confined space entry plans, initial entry and air monitoring were completed to review the location-specific hazards within the culverts. Air monitoring using a four-gas meter to measure percent oxygen, lower explosive limit, carbon monoxide, and hydrogen sulfide indicated that all readings were below action levels designated in the confined space entry plans. In addition, observed conditions indicated that the culverts did not present hazardous conditions that require regulated confined space entry procedures over the full course of the project. The culverts were declassified from a confined space, and normal operations were allowed to proceed each day after initial daily reconnaissance, monitoring, and review of site conditions. Regardless of this declassification, all entry into the culverts were conducted following special procedures, including pre-entry notification to the Oxford fire department, use of adequate lighting, and use of radios for communication during the entries. In addition, the field team monitored weather and stream flow conditions to verify safe conditions for entry.

During the Phase 2 field event, sediment probing was conducted along 6 transects in the creek segment between transects T012 and T019 (Figures 4-1b and 4-1c), along 3 transects in each of the five Highway 202 culverts (Figures 4-1d and 4-1e), and along 15 transects in the culvert beneath Quintard Mall (Figures 4-1aa through 4-1cc). Table 4-1 summarizes the probing data collected.

During the probing event, sediment deposits were identified based on visible observations and where probing indicated sediment penetrable with the probe rod by at least 4 inches and that were at least 50 square ft in area. The sediment deposits were probed further to determine the lateral extent and the apparent average thickness of the deposit.

- Two sediment deposits were identified between transects T012 and T019 (deposits T012-01 and T015-01; Figures 4-1b and 4-1c).
- Within the Highway 202 culverts, accumulated sediment was observed throughout most of the four westernmost box culverts. Although the sediment deposits within the Highway 202 culverts are contiguous with the deposits on the upstream and downstream ends of the culverts, the sediment within each box culvert was designated as separate sediment deposits (deposits T029-02, T029-03, T029-04, and T029-05; Figures 4-1d and 4-1e). Accumulated sediment was not observed within the easternmost box culvert that serves as the primary flow path beneath Highway 202.
- In the culvert beneath Quintard Mall, sediment deposits were observed throughout much of the culvert outside of the main creek flow channel, which varied in location and size through the culvert. Within the culvert, 13 sediment deposits were designated (deposits T195-01, T197-01, T197-02, T198-01, T200-01, T201-01, T202-01, T204-01, T205-01, T206-01, T207-01, T208-01, and T208-02: Figures 4-1aa through 4-1cc).[1]

During the Phase 2 event, the limits of the sediment deposits identified during the Phase 1 program (P/S 2024b) were reviewed in the field to verify their presence and extent. Field observations confirmed that 65 of the sediment deposits identified during Phase 1 were observed during the Phase 2 event, and 6 sediment deposits identified during Phase 1 were not observed during Phase 2: sediment deposits T047-01, T064-01, T064-02, T137-01, T174-01, and T174-03. During these Phase 2 observations, 5 additional sediment deposits were identified that were not identified during Phase 1: sediment deposits T038-01 (Figure 4-1f), T110-01 (Figure 4-1o), T128-01 (Figure 4-1r), T142-01 (Figure 4-1t), and T174-04 (Figure 4-1x).

Supplemental sediment probing and observations were also conducted at and around Phase 1 sediment probing locations where 6 or more inches of sediment were previously measured at individual probing points and that were not identified as sediment deposits. This supplemental probing confirmed that the Phase 1 measurements are not part of a larger accumulations of sediment.

Based on the results of the Phase 1 and Phase 2 events, 92 sediment deposits were identified and sampled during the PDI (Section 4.3.2). Table 4-2 summarizes the sediment deposits observed during the PDI, and Table 4-3 summarizes the sediment deposits for each of the seven characterization areas.

4.3.2 Phase 2 Sediment Sampling

In the Phase 1 Interim Report (Appendix G-1), the results of the PDI Phase 1 sediment probing program were compared with the results from the previous field efforts to evaluate potential changes in the location and thickness of sediment deposits since the 1999 sediment deposit mapping and the geomorphological characterization completed as part of the 1999 RFI

[1] Sediment deposits T202-1 and T204-1 were designated as separate sediment deposits at the time of sampling, but together they compose a single deposit.

(BBL 2000). The Phase 1 Interim Report included figures showing the locations and extents of the sediment deposits identified during the November 2023 Phase 1 probing and the sediment deposits identified during the 1999 RFI. Most sediment deposits identified during the Phase 1 probing varied in size and/or location compared with those identified and previously characterized in the 1999 RFI. Therefore, in the Phase 1 Interim Report, P/S proposed to characterize each sediment deposit identified during PDI probing in accordance with the procedures described in the PDIWP. Based on these observed variations, the data from the 1999 RFI are no longer representative and will not be considered during the RD to define the extent of sediment subject to remediation.

The Phase 2 sampling plan was presented in the Phase 1 Interim Report and included the following approach:

- Sediment deposits larger than 50 cubic yards: collect and homogenize up to five full-depth subsamples into one composite sample.
- Sediment deposits larger than 5 cubic yards and smaller than 50 cubic yards: collect one full-depth sediment sample.
- Sediment deposits between 1 and 5 cubic yards: collect composite samples from other nearby small sediment deposits by collecting and homogenizing up to five full-depth subsamples into one composite sample.
- Sediment deposits smaller than 1 cubic yard: no sampling.
- Sediment deposits within each Highway 202 box culvert: collect and homogenize five full-depth subsamples into one composite sample.
- Sediment deposits within the culvert beneath Quintard Mall: collect and homogenize five full-depth subsamples into one composite sample from each of three different sections: the upstream section between transects T195-00 and T200-00, the middle section between transects T200-00 and T205-00, and the downstream section between transects T205-00 and T209-00.

The Phase 2 sampling was conducted along the OU-1/OU-2 portion of Snow Creek in conjunction with the Phase 2 probing activities (Section 4.3.1). Sampling was performed at each of the sediment deposits observed during the associated probing and reconnaissance efforts. The Phase 2 sampling plan adhered to the proposed sampling approach outlined in the Phase 1 Interim Report with some variances as outlined in Section 4.4.

The sediment sampling was conducted using a hand auger. The collected samples were placed in dedicated temporary containers and then transported to a local processing area where the samples were homogenized, as needed, and transferred into appropriate sample containers.

Sediment samples (including QA/QC samples) were collected at 82 locations and submitted for laboratory analysis. Table 4-5 summarizes the sediment sampling, including sample type, associated sediment deposit sampled (including sediment deposit size, and analytical parameters). Figures 4-2a through 4-2cc show the sediment sample locations, sample types, and size of each corresponding sediment deposit.

Throughout the Phase 2 event, a surveyor from SMW Engineering Group, Inc., shadowed the sediment sampling crew and surveyed the sediment sampling locations. The surveyor did not enter the Highway 202 culverts or the culvert beneath Quintard Mall, which were initially identified as confined spaces.

Each sediment sample was analyzed for the following parameters:

- PCBs (USEPA SW-846 8082)
- TOC (Lloyd Kahn)
- Moisture content (ASTM D2216/D2974A)

Sediment samples collected from the downstream section of Snow Creek (downstream of transect T130 [Figure 4-2r]) were also analyzed for barium, chromium (total), cobalt, lead, manganese, mercury (total), nickel, and vanadium (USEPA SW-846 6010C/7471B) because prior investigations indicated that metals were present at concentrations above the remedial goals in the downstream section of the creek and floodplain where PCB concentrations were below the remedial goals.

Sediment samples were also analyzed for the following geotechnical indicator parameters:

- Particle size (including hydrometer for cohesive samples only; ASTM D6913/D7928)
- Atterberg Limits (cohesive samples only; ASTM D4318)
- Specific gravity (ASTM D854)

Samples for PCBs, TOC, and moisture content were submitted to Eurofins for analytical testing, and samples for geotechnical parameters were analyzed by Excel Geotechnical Testing.

4.4 Variances from the Planned Work

The Phase 2 sediment sampling generally adhered to the proposed sampling approach outlined in the Phase 1 Interim Report except for the variances described below:

- Sediment samples were initially intended to be collected from each of the sediment deposits observed during the Phase 1 probing activities in addition to any sediment deposits identified during the Phase 2 event. However, as summarized in Section 4.3.1, six sediment deposits identified during Phase 1 were not observed during Phase 2 (deposits T047-01, T064-01, T064-02, T137-01, T174-01, and T174-03). Therefore, the following sediment samples identified on Table 5 of the Phase 1 Interim Report were not collected: SED-304 (Phase 1 deposit T064-01), SED-305 (Phase 1 deposit T064-02), SED-508 (Phase 1 deposit T137-01), SED-527 (Phase 1 deposit T174-01), and SED-529 (Phase 1 deposit T174-03). In addition, sample SED-216, which was originally intended to be a composite sample collected from Phase 1 sediment deposits T047-01 and T047-02, was converted to a grab sample collected from only sediment deposit T047-02.

- Sample SED-207 was originally anticipated for collection from the easternmost box culvert beneath Highway 202 (referenced on Table 5 of the Phase 1 Interim Report); however, sample SED-207 was not collected because no sediment accumulation was observed in this box culvert (as described in Section 4.3.1).
- Samples SED-401 (deposit T076-01) and SED-403 (deposit T107-01), which are located upstream of transect T130, were inadvertently analyzed for metals (metals were not detected above the remedial goals at these locations).
- Sample SED-506 (deposit T134-02) was collected as a single grab sample. Based on the estimated volume of sediment in this deposit (56 cubic yards), this sample was originally intended to be collected as a composite sample from five full-depth subsamples.
- Samples SED-509 (deposit T138-02) and SED-525 (deposit T171-01) were originally indicated on Table 5 of the Phase 1 Interim Report to be composite samples from five full-depth subsamples; however, grab samples were collected from these deposits because the estimated sediment volumes were less than 50 cubic yards.
- In the Phase 1 Interim Report, the original sampling plan for the culvert beneath Quintard Mall specified collecting one composite sample from each of the different sections (i.e., the upstream, middle, and downstream sections). During the Phase 2 sampling, a field decision was made to further segregate the downstream section into two separate sections based on the conditions observed within the culvert. The culvert consists of a concrete bottom and sidewalls between transects T205-00 and T208-00, and the base and sideslopes are lined with large stone (riprap) between transects T208-00 and T209-00 (Figure 4-2cc). Therefore, one composite sediment sample (SED-535) was collected between transects T205-00 and T208-00, and one composite sediment sample (SED-538) was collected between transects T208-00 and T209-00.
- The sediment treatability testing originally proposed in the PDIWP was not conducted because many of the identified sediment deposits were not submerged and the sediment encountered contained relatively coarse soils (i.e., sands and gravels) that would be free draining and not require specialized dewatering and stabilization methods during remedial construction. Additional information regarding this determination is provided in Section 7.

4.5 Investigation Results and Discussion

The results of Phase 1 and Phase 2 sediment probing activities were used to provide an updated delineation of sediment deposits within the OU-1/OU-2 portion of Snow Creek (SED-DQO-1) and to identify locations for sediment sampling. The analytical results from the Phase 2 sampling activities were evaluated to determine the extent of sediment that has PCB and metals concentrations above the remedial goals defined in the ROD (SED-DQO-2).

In accordance with the ROD, the selected remedy for the OU-1/OU-2 portion of Snow Creek requires the excavation of contaminated sediment to meet the following remedial goals:

- PCBs: 3 mg/kg
- Barium: 322 mg/kg
- Chromium: 111 mg/kg
- Cobalt: 59 mg/kg
- Lead: 128 mg/kg
- Manganese: 1,100 mg/kg
- Mercury: 1 mg/kg
- Nickel: 46 mg/kg
- Vanadium: 41 mg/kg

The analytical results from the Phase 2 sampling were compared against these values to determine which identified sediment deposits would require remediation within the OU-1/OU-2 portion of Snow Creek (SED-DQO-2).

Table 4-6 summarizes the sediment sample analytical results for PCBs and TOC, and Table 4-7 summarizes the sediment sample analytical results for metals.

4.5.1 Sediment Sampling: PCB Analytical Results

Sediment samples collected from 82 locations were analyzed for PCBs. PCBs were detected in samples from 31 sample locations (38%) at concentrations greater than the sediment remedial goal of 3 mg/kg (Table 4-6). Figures 4-2a through 4-2cc show the sediment deposits with sediment samples having PCB concentrations above the remedial goal of 3 mg/kg.

PCBs were detected at the highest concentrations in characterization Areas 1 and 2 (between transects T0 and T51), which are upstream of the channelized section of Snow Creek. PCBs were detected in two samples at concentrations greater than 50 mg/kg: 131 mg/kg at sample location SED-103 (deposit T000-03) and 82 mg/kg at sample location SED-109 (deposit T005-02). Both locations are within approximately 500 ft of the 11th Street Ditch.

In the upper 1 mile of the OU-1/OU-2 section of Snow Creek (transects T0 to T53), 29 of the 37 sediment samples had PCB concentrations above the remedial goal of 3 mg/kg. In the lower 3 miles (transects T53 to T210), only 2 of the 45 samples had PCB concentrations above the remedial goal; both of those samples had PCB concentrations of less than 4 mg/kg.

A summary of the PCB data by characterization area is provided below:

- Area 1: 15 of 17 samples had PCBs greater than 3 mg/kg (88%)
- Area 2: 12 of 18 samples had PCBs greater than 3 mg/kg (67%)
- Area 3: 2 of 3 samples had PCBs greater than 3 mg/kg (66%)
- Area 4: 1 of 5 samples had PCBs greater than 3 mg/kg (20%)

- Area 5: 1 of 39 samples had PCBs greater than 3 mg/kg (2%)

In Area 2, all four sediment deposits within the Highway 202 culverts (deposits T029-002 through T029-05) have PCB concentrations above the remedial goal. In Area 5, none of the sediment samples collected in the culvert beneath Quintard Mall have PCB concentrations above the remedial goal.

Based on the PDI data, 33 of the 92 sediment deposits have concentrations of PCBs above the remedial goal and would require remediation in accordance with the ROD. Based on the extents measured during the PDI field efforts, approximately 1,500 cubic yards of sediment would require removal from the OU-1/OU-2 portion of Snow Creek to address PCBs. Table 4-8 summarizes the sediment deposits and estimated volumes that exceed the remedial goals established in the ROD. Figures 4-2a through 4-2cc show the sediment deposits with PCB concentrations that are above the remedial goals.

4.5.2 Sediment Sampling: Metals Analytical Results

Sediment samples collected from 36 locations were analyzed for metals, including barium, total chromium, cobalt, lead, manganese, mercury, nickel, and vanadium. As shown on Table 4-7, at least one metal was detected in 13 of the 36 samples at a concentration above the remedial goals (12 of these samples were collected from characterization Area 5A). Chromium, lead, manganese, mercury, nickel, and vanadium were each detected at concentrations above the remedial goals in at least one sediment sample. Neither of the sediment samples from Area 4 that were inadvertently analyzed for metals (samples SED-401 and SED-403) had concentrations of metals above the remedial goals. None of the metal exceedances were co-located with sediment deposits that exceeded the PCB remedial goal described in Section 4.5.1.

A summary of the analytical results for metals is presented below for each constituent:

- Chromium was detected in samples from 2 of the 36 sampling locations at concentrations above the remedial goal of 111 mg/kg. The maximum concentration of chromium detected in the sediment samples was 130 mg/kg.
- Lead was detected in samples from 3 of the 36 sampling locations at concentrations above the remedial goal of 128 mg/kg. The maximum concentration of lead detected in the sediment samples was 160 mg/kg.
- Manganese was detected in samples from 10 of the 36 sampling locations at concentrations above the remedial goal of 1,100 mg/kg. The maximum concentration of manganese detected in the sediment samples was an estimated concentration of 7,400 mg/kg.
- Mercury was detected in a sample from 1 of the 36 sampling locations at a concentration above the remedial goal of 1 mg/kg. The maximum concentration of mercury detected in the sediment samples was 2.7 mg/kg.

- Nickel was detected in samples from 5 of the 36 sampling locations at concentrations above the remedial goal of 46 mg/kg. The maximum concentration of mercury detected in the sediment samples was an estimated concentration of 130 mg/kg.
- Vanadium was detected in samples from 7 of the 36 sampling locations at concentrations above the remedial goal of 41 mg/kg. The maximum concentration of vanadium detected in the sediment samples was an estimated concentration of 130 mg/kg. Vanadium was detected in composite sample SED-538, which was collected from the riprap section beneath Quintard Mall (between transects T208 and T209), at a concentration of 46 mg/kg, which exceeds the remedial goal. Upon receipt of this analytical result, P/S directed Eurofins to analyze each of the five archived aliquot subsamples associated with SED-538 for vanadium (i.e., samples SED-538A, SED-538B, SED-538C, SED-538D, and SED-538E). The analytical results for all five of these aliquots were less than the vanadium remedial goal; thus, remediation beneath Quintard Mall is not warranted to address vanadium.

Based on the PDI data, 11 sediment deposits have concentrations of metals above their respective remedial goals. Five sediment samples were collected from sediment deposit T161-02 due to its size (Figure 4-2w). The three upstream samples (SED-518, SED-519, and SED-520) collected from deposit T161-02 had concentrations of metals above the remedial goals, and the two downstream samples (SED-521 and SED-522) did not have metals concentrations above any of the remedial goals. Based on the extents measured during the PDI, approximately 1,300 cubic yards of sediment would require removal from the OU-1/OU-2 portion of Snow Creek to address metals. Table 4-8 summarizes the sediment deposits and estimated volumes that exceed the remedial goals established in the ROD. Figures 4-2a through 4-2cc show the sediment deposits exceeding the remedial goals.

4.5.3 Sediment Sampling: Geotechnical Parameters

Select sediment samples were submitted for grain size, moisture content, and specific gravity testing (Section 4.3.2). The test data indicate that the sediment samples contained an average of 86% coarse material (i.e., gravel and sand), which suggests that the material would be free draining and likely not require any special material processing or dewatering methods. Only 5 of the 82 sediment samples (6%) contained more than 40% fine material (i.e., silt and clay). These results are consistent with the field observations that indicated most of the sediment deposits contained a heterogeneous mixture of particle sizes that were predominately gravel with sand and some fine sediment, and many of the sediment deposits contained cobbles. The average specific gravity of the 43 sediment samples tested was 2.64.

Table 4-9 presents the testing results for the geotechnical parameters, including the percentages of gravel, sand, fines, silt, and clay in each sediment sample along with the results of the specific gravity and moisture content analyses.

4.6 Investigation-Derived Waste

IDW generated during the sediment investigation consisted of used personal protective equipment, disposable sampling materials, and excess homogenized sample material. The IDW materials were

placed in a 55-gallon drum at the sample processing area and were transferred to the Anniston plant for appropriate off-site disposal with other similar waste material.

5. OU-1/OU-2-WIDE EVALUATIONS

The OU-1/OU-2-wide evaluations included several common elements that will be needed to complete the OU-1/OU-2 RD for soil, groundwater, and sediment. The evaluations conducted included a geophysical survey, observations of structures, and topographical surveys. Cultural and archeological resource assessments were not conducted as part of the PDI. Outreach with the State of Alabama State Historic Preservation Officer (SHPO) will be conducted after development of the 30% RD. This section includes a summary of PDI activities completed, variances from planned work, and results for these scopes of work.

5.1 Utility Surveys

5.1.1 Summary of Predesign Investigation Activities Completed

A survey of utilities was conducted by Collier Geophysics, LLC, (Collier) between October 28, 2024, and January 23, 2025, in areas where PDI activities were being conducted. The actual locations and depths of soil and sediment removal will be refined in the 30% RD.

The work involved locating potential utilities along the OU-1/OU-2 portion of Snow Creek and the various soil remediation areas. These locations were investigated for subsurface utilities, buried debris, buried concrete, and other subsurface hazards. Several methods were used in the investigation of utilities, including radio-frequency electromagnetic, ground-penetrating radar, and magnetic locators. Multiple underground utilities were detected, field marked, and located with GPS.

5.1.2 Variances from the Planned Work

The only variance for this work is the future geophysical surveys for the three small non-PCB remediation areas identified on Figures 2-4b, 2-4g and 2-4h. The utility survey information from these areas will be included in the existing conditions drawings provided with the 30% RD or 95% RD.

5.1.3 Investigation Results and Discussion

The locations where utilities and other objects could be present below ground surface are presented on Figures 5-1a through 5-1aa. Where information was available from the public utilities, the objects have been identified as such (e.g., gas, water or sewer). Many of the other objects shown on the figures could be underground storage tanks, subsurface metal, waste, or construction debris. The RD specifications will require the remediation contractor to confirm the presence of utilities prior to construction using three independent methods because conditions might change in the time between this survey and when construction is begun.

The geophysical survey report from Collier is provided as Appendix H to this report, and linework for the utilities is presented on the Figure 5-1 series provided to Geosyntec via an electronic file.

5.2 Structural Evaluations

Snow Creek intersects, passes beneath, or lies immediately adjacent to various structures within the OU-1/OU-2 including bridges, culverts, and outfalls. These features must be considered during both RD and remedial action phases to assess whether remediation activities could impact these structures or necessitate specialized procedures due to their proximity.

Field data and information gathered during the PDI are intended to support the assessment of these structures as part of the RD process. No significant structures other than those listed in Table 3-3 of the PDIWP were identified along Snow Creek during the PDI; however, several utilities, minor structures, outfalls, and debris were documented (shown on Figures 4-1a through 4-1cc). Table 4-4 provides a summary of information obtained from these efforts. Additionally, SMW Engineering Group, Inc., conducted surveys of the major structures along Snow Creek during the PDI that will be included with the existing conditions drawings in the 30% RD.

The extent and depths of remediation need to be established to assess whether nearby structures could be affected by remedial construction or how the structures might affect the remediation effort. As outlined in Section 4.5, sediment remediation is proposed for 44 sediment deposits within the OU-1/OU-2 segment of Snow Creek (Figures 4-2a through 4-2cc). Of the 20 structures listed in Table 3-3 of the PDIWP, 7 of them are positioned near, above, or adjacent to sediment deposits requiring remediation. Table 5-1 provides an overview of the major structures along Snow Creek, identifies those situated near remediation areas, and outlines next steps for further evaluation during the RD.

5.3 Base Mapping Activities

5.3.1 Summary of Predesign Investigation Activities Completed

A survey of the work areas was conducted using a combination of traditional land survey and survey using an unmanned aerial vehicle (drone). The drone was largely used for surveying open areas, while the traditional survey was conducted for sediment and creek bank areas along with structures that cross Snow Creek or are located along the creek such as pipes and outfalls.

5.3.2 Variances from the Planned Work

The only variance for the survey work is for the three small non-PCB remediation areas identified on Figures 2-4b, 2-4g, and 2-4h. The survey information for these areas will be included on the existing conditions drawings provided with the 30% RD or 95% RD.

5.3.3 Investigation Results and Discussion

The results of the topographic mapping are presented on Figures 5-1a through 5-1aa. The general locations of structures and debris that were surveyed along Snow Creek are presented in Tables 4-1 and 4-4. This information will be presented on the existing conditions drawings in the 30% RD.

5.4 Cultural and Archeological Resource Assessment

Outreach with the State of Alabama SHPO will be conducted during preparation of the 30% RD. Feedback from SHPO concerning the potential presence of historical or cultural resources in the areas targeted for remediation will be included in the 95% RD.

6. BASELINE SURFACE WATER SAMPLING

In accordance with the selected remedy described in the ROD, surface water monitoring will be conducted at the upstream and downstream ends of OU-1/OU-2. As described in the PDIWP, surface water sampling was conducted to establish a baseline for comparison to post-remedy monitoring.

The following DQO was established in the PDIWP for the baseline surface water sampling program:

- SW-DQO 1: Provide baseline surface water data that can be used for comparison with post-remedy surface water monitoring data.

6.1 Baseline Surface Water Sampling Activities

The baseline surface water monitoring program included collecting surface water samples from the upstream and downstream ends of the OU-1/OU-2 portion of Snow Creek during seasonal (i.e., quarterly) flow. The upstream sampling location was downstream of the confluence of Snow Creek and the West 9th Street Creek and downstream of the West 14th Street Bridge between Boynton Avenue and McDaniel Avenue (Figure 6-1). The downstream sampling location was at the southern end of OU-1/OU-2 at the outfall of the culvert that passes beneath the Quintard Mall (Figure 6-1).

The baseline surface water samples were collected using grab sampling and in situ passive sampling. Grab sampling was used to measure total and dissolved concentrations in surface water. The total concentrations were based on whole water samples that were not filtered and thus included PCBs associated with suspended solids and colloidal matter. In situ passive samplers were used to measure PCB concentrations dissolved in surface water (i.e., not associated with suspended particles or colloids).

6.1.1 Baseline Surface Water Grab Sample Collection

Eight quarterly grab sampling events were conducted over a 2-year period between April 2023 and March 2025. Table 6-1 summarizes the surface water grab samples collected.

The surface water grab samples were collected using a peristaltic pump with the intake tubing suspended in the middle of the water. Whole water (unfiltered) and filtered samples were collected during each sampling event. Filtering was achieved using a 0.1-micron filter to evaluate the dissolved phase fraction of PCBs. Water quality parameters (i.e., turbidity, pH, oxidation reduction potential, dissolved oxygen, conductivity, salinity, total dissolved solids, and temperature) were measured in the collected water samples using a Horiba water quality meter. Table 6-2 summarizes the measured water quality parameters.

The grab samples were labeled, placed in coolers with ice, and shipped to Eurofins. Filtered and unfiltered grab samples were analyzed for PCB homologs and PCB congeners by USEPA Method 1668A, lead and total chromium by USEPA Method 6010C, and hexavalent chromium by USEPA Method 7196A.

6.1.2 Baseline Surface Water Passive Sample Collection

During four sampling events, passive samplers were deployed in Snow Creek at the same upstream and downstream grab sample locations shown on Figure 6-1.

The passive samplers consisted of SiREM's SP3™ standard sampler design for PCB homologs. The standard SP3 sampler consists of a polyethylene sheet (4 centimeters [cm] by 10 cm) housed in a steel-mesh envelope attached to a stainless-steel support plate (8 cm by 18 cm by 0.1 cm). Each sampler consisted of a polyethylene sheet spiked with PCB performance reference compounds, which are used to determine the freely dissolved concentrations of PCB homologs in surface water. The passive samplers were attached to a concrete block to provide anchorage and stability of the sample and to allow the sampling device to be suspended approximately 6 inches above the sediment surface over the deployment period.

Table 6-3 summarizes the deployment periods for each collected passive sampler. Each passive sampler was deployed for a minimum of 28 days.

For each sampling event, one field duplicate sample and one field/trip blank were collected and analyzed. During the sampler retrieval stage, each field/trip blank remained in its original packaging on ice except for a period in which it was removed from the packaging by field personnel, exposed to ambient field conditions for approximately 5 minutes, and packaged for shipment in the same manner as the deployed samplers.

Upon retrieval, the passive samplers were wrapped in aluminum foil and placed in an opaque resealable bag. The samplers were then placed in an additional resealable plastic bag and packaged in a cooler with ice packs for overnight shipment to Eurofins in Knoxville, Tennessee, for analysis of PCB homologs and PCB congeners by USEPA Method 1668A. Upon receipt of analytical data from Eurofins, data processing, analysis, and reporting were performed by SiREM.

6.2 Variances from the Planned Work

Passive samplers deployed during four events (December 2023, June 2024, February 2025, and March 2025) were not analyzed because the samplers were missing upon retrieval or the samples were determined not to be suitable to represent surface water conditions due to movement of the sampling device under high water creek flow or sediment accumulation over the sampling device. In response to these conditions, the field sampling crew adjusted the deployment device apparatus by adding additional support bracing to provide improved sample stability during future sampling events.

6.3 Investigation Results and Discussion

As described in Section 6.1, surface water sampling was conducted to establish a baseline for comparison to post-remedy monitoring (SW-DQO 1). Table 6-4 summarizes the surface water grab sample analytical results, and Table 6-5 summarizes the surface water passive sample analytical results.

In accordance with the ROD, the following remedial goals were established for surface water based on the Ambient Water Quality Criteria based on the chronic freshwater aquatic life criteria:

- Total PCBs: 0.014 µg/L
- Lead: 2.5 µg/L
- Chromium: 74 µg/L
- Hexavalent chromium (chromium VI): 11 µg/L

The analytical data generated during the baseline surface water grab sampling and passive sampling are summarized below, including comparison of the results against the surface water remedial goals.

- PCBs were not detected in any grab samples collected from the upstream sample location (SW-01) at concentrations above the 0.014 µg/L remedial goal. PCBs were not detected in any upstream filtered water samples except for the sample collected in April 2023 (0.00027 µg/L). PCB concentrations in the upstream whole water (unfiltered) samples ranged from 0.0013 to 0.0053 µg/L.
- PCBs were not detected in any dissolved (filtered) grab samples collected from the downstream sample location (SW-02) at concentrations above the 0.014 µg/L remedial goal. PCB concentrations in the downstream whole water (unfiltered) samples ranged from 0.000082 to 0.003 µg/L.
- PCB concentrations were above the 0.014 µg/L remedial goal in each whole water (unfiltered) grab sample collected from the downstream sample location (SW-02). PCB concentrations in the downstream whole water (unfiltered) samples ranged from 0.018 to 0.040 µg/L.
- PCB concentrations were above the 0.014 µg/L remedial goal in one passive sample collected from the upstream sample location (SW-01) with PCB concentrations ranging from 0.0014 to 0.025 µg/L.
- PCB concentrations were above the 0.014 µg/L remedial goal in each passive sample collected from the downstream sample location (SW-02) with PCB concentrations ranging from 0.025 to 0.033 µg/L.
- Lead was not detected at concentrations above laboratory detection limits in any of the whole water (unfiltered) or dissolved (filtered) grab samples.
- Total chromium was not detected at concentrations above laboratory detection limits in any of the whole water (unfiltered) or dissolved (filtered) grab samples.
- Hexavalent chromium was not detected at concentrations above laboratory detection limits in any of the whole water (unfiltered) grab samples from the upstream or downstream sample locations. Hexavalent chromium was detected in one filtered grab sample (December 2024) collected from the downstream sample location (SW-02) at a concentration above the 11 µg/L remedial goal; hexavalent chromium was not detected in the corresponding unfiltered sample.

7. TREATABILITY STUDIES

TSs were not completed as part of the PDI. While a TS was identified for T-11 groundwater in the PDIWP, a TS was not conducted because PCB concentrations in groundwater at this location are near or below the remedial goal of 0.5 µg/L. Should the treatment of low concentration PCBs in groundwater be necessary as part of the OU-1/OU-2 remedy, the potential for future TSs is low because the treatment of PCBs in groundwater is well established using a combination of particulate filtration followed by polishing with activated carbon.

The PDIWP also included a proposed TS to evaluate sediment removal, transport, processing, and disposal components. A TS was identified at that time due to uncertainties in the sediment types and volumes that might be subject to remediation in OU-1/OU-2. As described in Section 4, two treatability DQOs were established for the sediment PDI (SED-DQO 3 and SED-DQO 4). These DQOs were established because it was initially contemplated that sediment to be excavated from Snow Creek might require processing, treatment, and conditioning to allow it to be loaded into trucks, to meet regulatory requirements for transportation on public roads (i.e., no free liquids permitted), and to strengthen the sediment to satisfy waste acceptance criteria for the selected off-site landfill. During the implementation of the PDI, it was determined that the sediment treatability testing originally proposed in the PDIWP was not warranted during the PDI phase because many of the identified sediment deposits were not submerged and the sediment encountered contained relatively coarse soils (i.e., sands and gravels) that would be free draining and not require specialized dewatering and stabilization methods during remedial construction.

8. DATA MANAGEMENT AND USABILITY

This section of the PDI evaluation report presents the results of data quality evaluations for the data generated from the scopes of work described in Sections 2 through 7 of this PDI Evaluation Report.

8.1 Data Management Procedures

Hard copy and electronic data were managed according to procedures detailed in the UFP-QAPP and the *Data Management Plan for the Anniston PCB Site* (Data Management Plan; Geosyntec 2018). Analytical quantitative data collected as part of the PDI were submitted by the analytical laboratory to the database manager. Data were reviewed against requirements specified in section 4 of the Data Management Plan and were entered into the database according to procedures defined in section 5 of the Data Management Plan.

8.2 Data Quality Evaluation Procedures

Data were validated according to procedures detailed in the UFP-QAPP and in accordance with current USEPA *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA 2020) and the *Guidance on Environmental Data Verification and Data Validation* (USEPA 2002) as well as USEPA Region 4 data validation standard operating procedures (SOPs; USEPA 2011, 2022). The data validation strategy was consistent with the applicable USEPA guidelines. Data validation included 95% Stage 2A and 5% Stage 4 data validation per analytical test and matrix. Field data were also validated against the SOPs and the acceptance criteria contained in the PDIWP.

PDI data were validated, as needed, by qualified analytical data quality specialists, all of whom have environmental production laboratory and laboratory quality systems experience covering the range of analytical test methods used for the PDI.

Validation protocols (e.g., Stage 2A) were used to validate the chemistry analytical data. Validation protocols are described in the project-specific UFP-QAPP. Discussion of data validation for samples collected for the various PDI scopes is provided in Section 8.3 and associated appendices.

8.3 Data Quality Evaluation Results

The following subsections summarize the data quality evaluation findings for each PDI and limitations, if any, with respect to analytical data use.

8.3.1 Floodplain and Creek Bank Soil

The laboratory analyses for the soil samples collected from low-activity special use areas, IM areas, and nonresidential areas were completed in accordance with specified methods and quality assurance protocols. Some PCB results were qualified as estimated concentrations due to surrogate recovery outliers, matrix spike/matrix spike duplicate bias, column confirmation failures, and field

duplicate variability. While some data were qualified as being estimated, the accuracy and precision were generally acceptable, and thus no data were rejected.

Additional discussion of data validation for soil samples collected at PB-RR-37 is presented in Appendix D.

8.3.2 Groundwater

Data validation for all groundwater samples collected as part of the PDI since April 2023 was completed in accordance with the procedures specified in the UFP-QAPP. Discussion of data validation for samples collected at the Eastside Properties is presented in Appendix E, and a discussion of samples collected at T-11 is presented below.

Nondetect results for PCB 1016 and PCB 1260 in filtered samples collected from T-11 in April 2023 were qualified as UJ, indicating that the analytes were not detected above the reported sample quantitation limits, although the reported quantitation limits are approximate. Detected results for total dichlorobiphenyls in unfiltered samples collected from T-11 in August 2025 were qualified as J because the RPD between field duplicates (40%) slightly exceeds the precision goal of 35% stated in the UFP-QAPP (P/S 2023). Samples from T-11 in April 2023 analyzed for nitrate were qualified as J- due to a minor hold time exceedance. The analytical data were determined to be usable for the intended purpose of evaluating the general groundwater geochemistry, the presence of microbiological organisms and functional genes, and the PCB Aroclor and PCB homolog concentrations at T-11.

8.3.3 Snow Creek Sediment

The laboratory analyses for the sediment samples were completed in accordance with specified methods and quality assurance protocols. Some PCB and metals results were qualified as estimated concentrations due to surrogate recovery outliers, matrix spike/matrix spike duplicate bias, column confirmation failures, and field duplicate variability. TOC results were also qualified in several samples due to holding time exceedances and matrix spike RPD failures. Despite these qualifications, accuracy and precision were generally acceptable, and no data were rejected.

8.3.4 Baseline Surface Water

The laboratory analyses for the surface water grab samples were completed in accordance with specified methods and quality assurance protocols. Hexavalent chromium results for the surface water grab samples were frequently qualified as estimated concentrations due to analyses performed beyond the 24-hour holding time. Some PCB data for the surface water grab samples were flagged as estimated values due to ion ratio failures, field duplicate bias, or blank contamination. Despite these qualifications, accuracy and precision were generally acceptable, and no data were rejected.

The laboratory analyses for the passive samplers were completed in accordance with specified methods and quality assurance protocols. PCB results for the passive samplers were frequently qualified as estimated values due to ion ratio failures, field blank contamination, or temperature excursions during sample shipment. One report included a field duplicate result with an RPD

exceeding control limits, also resulting in estimated value qualification. Despite these qualifications, accuracy and precision were generally acceptable, and no data were rejected.

9. CONCLUSIONS

This section summarizes the results of the PDI and how the data collected will be interpreted as part of the 30% RD.

9.1 Floodplain and Creek Bank Soil

The PDI work conducted in soil remedial areas was successful for defining the depth of removal, including the low-activity special use areas, IM areas, and nonresidential areas. Most of the excavations will be surface soil removals. There are several small areas where the soil removals will include surface soil and the underlying 1–2 ft interval. There are even fewer areas where the excavations will be deeper than 2 ft. The one area where the PCB results exceed the subsurface remedial goal of 97 mg/kg to a substantial depth (the 5–6 ft horizon) is the drainageway north of the Miller property IM. An evaluation will be conducted as part of the 95% RD in terms of the practical limit of removal given the proximity to the active railway and that groundwater in the area is not being negatively impacted by the presence of PCB-containing soil at depth.

The easternmost portion of the drainageway to the east of PB-RR-37 will require surface soil remediation as PCB concentrations exceed 3 mg/kg. The PDI results also confirmed that dredge spoil pile SC-2 needs to be removed and that the extent of removal beneath its footprint, if any, will be determined during the remediation process.

The geotechnical boring and laboratory testing provide information to guide excavation procedures that will be presented in the 30% RD. This includes the use of slopes no steeper than 1:1 when working along creek bank areas or for deeper excavations that do not include some form of bracing.

9.2 Groundwater

The PDI activities for groundwater in OU-1/OU-2 have demonstrated that this media will not be a significant component of the 30% RD. The PDI work for the Eastside Properties and the PB-RR-37 area have confirmed that groundwater is not a concern in these areas. Following approval of this PDI Evaluation Report, the two monitoring wells and two piezometers installed at the Eastside Properties area for purposes of the PDI will be plugged and abandoned in accordance with Alabama Department of Environmental Management protocols.

PDI activities at the T-11 area have demonstrated the following regarding PCBs in groundwater:

- PCB concentrations are below the remedial goal as of the most recent sampling event in August 2025.
- PCBs have an average concentration below the remedial goal based on eight samples collected over a 2-year period.
- PCBs exhibit a decreasing concentration trend over the entire monitoring period, with a high statistical confidence, and microbiological and geochemical data supporting the sustainment of that trend.

P/S are developing an early action work plan to address this area. The current approach is to submit the early action work plan prior to the 30% RD to advance work in this area such that groundwater PCB concentrations will continue to achieve the remedial goal without installing a pump-and-treat system to meet the requirements for the remedy.

As noted above in Section 9.1, the results of a recent groundwater sample collected downgradient of the drainageway north of the Miller property IM was nondetect for PCBs, which indicates that the soil at depth in this area with high PCB concentrations is not negatively impacting groundwater.

9.3 Snow Creek Sediment

During the Phase 2 field event, probing and visual reconnaissance identified the locations of sediment deposits that were subject to sampling. Although most of the sediment deposits were observed to be stable between the 2023 Phase 1 event and the 2024 Phase 2 event, six sediment deposits (~8%) identified during Phase 1 were not observed during Phase 2. This is indicative of the transient nature of the creek, which can be subject to high flows related to urban runoff and the channelization of several sections of the creek. Based on this, the RD will include procedures to verify and further characterize (as needed) sediment deposits prior to remedial construction.

The highest concentrations of PCBs were detected in the upper 1 mile of the OU-1/OU-2 section of Snow Creek (transects T0 to T53). Of the 92 sediment deposits, 33 had PCB concentrations above the remedial goal and will require remediation in accordance with the ROD. Four of these sediment deposits are located within the Highway 202 culverts and will require special procedures and coordination during RD and construction for structural and safety considerations. In the lower 3 miles (transects T53 to T210), only three sediment deposits had PCB concentrations above the sediment remedial goal of 3 mg/kg, and all PCB results were less than 4 mg/kg. The PDI data indicate that no sediment removal is warranted in the culvert beneath Quintard Mall. Approximately 1,500 cubic yards of sediment are estimated for removal from the OU-1/OU-2 portion of Snow Creek to address PCBs.

Chromium, lead, manganese, mercury, nickel, and vanadium were each detected at concentrations above the remedial goals in at least one sediment sample. None of the sediment deposits with metals concentrations above the remedial goals were co-located with sediment deposits that had PCB concentrations above the PCB remedial goal. Eleven sediment deposits had concentrations of metals above their remedial goals and would require removal in accordance with the ROD. Approximately 1,300 cubic yards of sediment would require removal from the OU-1/OU-2 portion of Snow Creek to address metals. There are several properties not owned by P/S that could have contributed to the concentrations of metals observed in the sediment deposits. Considering this and because none of the metals exceedances were co-located with sediment deposits that exceeded the PCB remedial goal, P/S will conduct an evaluation as part of the preliminary (30%) RD to assess whether supplemental sampling is warranted to further verify and/or refine the delineation where sediment remediation may be required to address metals in Area 5A.

9.4 Baseline Surface Water

Surface water sampling was conducted as part of the PDI to establish a baseline for comparison to post-remedy monitoring. The baseline surface water sampling results indicate that concentrations of PCBs were above the 0.014 µg/L remedial goal in each whole water (unfiltered) grab sample collected from the downstream sample location (SW-02), but PCB concentrations were below the remedial goal in all dissolved (filtered) grab samples collected from the downstream sample location (SW-02). PCBs were also detected at concentrations above the 0.014 µg/L remedial goal in each passive sample collected from the downstream sample location (SW-02) and in one passive sample collected from the upstream sample location (SW-01). The data indicate an increase in PCB concentrations from the upstream to the downstream sample locations. These spatial trends in PCB concentrations are not unexpected because there are PCB sources to Snow Creek located upstream of OU-1/OU-2 and the OU-1/OU-2 portion of Snow Creek has yet to undergo remediation.

Lead and total chromium were not detected above laboratory detection limits in any of the whole water (unfiltered) or dissolved (filtered) grab samples. Although hexavalent chromium was detected above the 11 µg/L remedial goal in one sample, this detection was associated with a filtered sample collected from the downstream sample location (SW-02). Because hexavalent chromium was not detected in the corresponding unfiltered sample, the data could be erroneous.

9.5 Site-Wide Evaluations

The PDI data collected for utilities, survey, and structures provided with this PDI Evaluation Report will be included in the 30% RD. Any supplemental information, including the results of outreach with the State of Alabama SHPO will be included in the 95% RD. A small amount of utility survey work remains to be conducted for the three small non-PCB soil remediation areas (Section 5), and this information will be included in the existing conditions drawings submitted as part of the 95% RD.

10. REFERENCES

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TABLES

Table 2-1. Dredge Spoil Pile SC-2 Soil Sample Results
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Location Description		Dredge Spoil Pile SC-2
Field Sample ID		SO-DSP-0-1_20230814
Sample Date		8/14/2023
QA Type		Original
Northing		1147768.719
Easting		654948.029
Depth (Min-Max) (ft bgs)		0-1
Figure Reference		Figure 2-1
Parameter	**Unit**	
Aroclor 1016	mg/kg	< 0.02 U
Aroclor 1221	mg/kg	0.4
Aroclor 1232	mg/kg	< 0.017 U
Aroclor 1242	mg/kg	< 0.017 U
Aroclor 1248	mg/kg	< 0.017 U
Aroclor 1254	mg/kg	32 J
Aroclor 1260	mg/kg	15 J
Aroclor 1268	mg/kg	5.8
Total PCB Aroclors	**mg/kg**	**53.2 J**

Notes:
1. Total PCB Aroclor concentrations are determined by USEPA Method 8082A

<: not detected above PQL, PQL provided
ft bgs: feet below ground surface
ID: identification

J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.

max: maximum
mg/kg: milligrams per kilogram
min: minimum
PCB: polychlorinated biphenyl
PQL: practical quantitation limit
QA: quality assurance
U: non-detect
USEPA: United States Environmental Protection Agency

Table 2-2. Low-Activity Special Use Area Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location Description (PPIN/Previous Sample Identification)		21033 / 21033-G11			21033 / 21033-G24	21033 / 21033-G25	21033 / 21033-G26	21033 / 21033-G27		21033 / 21033-G29	21033 / 21033-G30	18084 / 18084-G1	
Field Sample ID		SO-LASU21033G11-1-2-20230726	SO-DUP-03-20230726	SO-LASU21033G11-2-3-20230726	SO-LASU21033G24-1-2-20230726	SO-LASU21033G25-1-2-20230726	SO-LASU21033G26-1-2-20230727	SO-LASU1033G27-1-2-20230727	SO-DUP-04-20230727	SO-LASU21033G29-1-2-20230727	SO-LASU21033G30-1-2-20230727	SO-LASU18084G1-1-2-20230730	SO-DUP-09-20230730
Sample Date		7/26/2023	7/26/2023	7/26/2023	7/26/2023	7/26/2023	7/27/2023	7/27/2023	7/27/2023	7/27/2023	7/27/2023	7/30/2023	7/30/2023
QA Type		Original	Field Duplicate	Original	Original	Original	Original	Original	Field Duplicate	Original	Original	Original	Field Duplicate
Northing		1152323.162	1152323.162	1152323.162	1152049.481	1152049.491	1152049.448	1152049.525	1152049.525	1151960.728	1151960.499	1148644.538	1148644.538
Easting		659660.976	659660.976	659660.976	659545.398	659443.036	659349.799	659257.992	659257.992	659442.810	659349.531	658285.145	658285.145
Depth (Min-Max) (ft bgs)		1-2	1-2	2-3	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2
Figure Reference		Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2a	Figure 2-2b	Figure 2-2b
Parameter	**Unit**												
Aroclor 1016	mg/kg	< 0.028 U	< 0.027 U	< 0.02 U	< 0.020 UJ	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor 1221	mg/kg	< 0.028 U	< 0.027 U	< 0.017 U	< 0.017 UJ	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1232	mg/kg	< 0.028 U	< 0.027 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1242	mg/kg	< 0.028 U	< 0.027 U	< 0.017 U	< 0.017 UJ	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1248	mg/kg	< 0.028 U	< 0.027 U	< 0.017 U	< 0.017 UJ	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1254	mg/kg	0.2 J	0.6 J	0.028 J	0.47 J	0.1 J	0.096 J	0.19 J	0.13 J	0.52	0.26 J	0.87 J	0.23 J
Aroclor 1260	mg/kg	0.39 J	1.1 J	0.048 J	0.3 J	0.059 J	0.084 J	0.17 J	0.1 J	< 0.017 U	0.18 J	0.083 J	0.043 J
Aroclor 1268	mg/kg	0.12 J	0.33 J	< 0.017 U	0.12 J	0.026 J	0.029 J+	0.057 J+	0.053 J+	0.12	0.055 J+	0.022 J	< 0.017 UJ
Total PCB Aroclors	**mg/kg**	**0.71 J**	**2.03 J**	**0.076 J**	**0.89 J**	**0.185 J**	**0.209 J+**	**0.417 J+**	**0.283 J+**	**0.64**	**0.495 J+**	**0.975 J**	**0.273 J**

Table 2-2. Low-Activity Special Use Area Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location Description (PPIN/Previous Sample Identification)		18084 / 18084-G2	18084 / 18084-G3	18084 / 18084-G5		20579 / 20579-G10	32123 /CA-3-SU-1700-LA-B	18536 / CA-6-SU-2205-D	18536 / CA-6-SU-2205-L	18671 / CA-6-SU-2498-D		32375 / CA-06-2113-02 and CA-6-SU-2113-LA-A	18591 / 18591-G3	18591 / 18591-G4
Field Sample ID		SO-LASU18084G2-1-2-20230729	SO-LASU18084G3-1-2-20230729	SO-LASU18084G5-1-2-20230730	SO-LASU18084G5-2-3-20230730	SO-LASU20579-1-2-20230725	SO-LASU32123-1-2-20230801	SO-LASU18536_D-1-2-20230724	SO-LASU18536_L-1-2-20230724	SO-LASU18671-1-2-20230724	SO-DUP-01-1-2-20230724	SO-LASU32375-1-2-20230814	SO-LASU18591G3-1-2_20230813	SO-LASU18591G4_1-2_20230808
Sample Date		7/29/2023	7/29/2023	7/30/2023	7/30/2023	7/25/2023	8/1/2023	7/24/2023	7/24/2023	7/24/2023	7/24/2023	8/14/2023	8/13/2023	8/8/2023
QA Type		Original	Original	Original	Original	Original	Original	Original	Original	Original	Field Duplicate	Original	Original	Original
Northing		1148648.223	1148647.638	1148572.270	1148572.270	1149893.214	1148906.444	1147836.587	1147799.153	1147627.753	1147627.753	1148324.400	1145686.319	1145722.781
Easting		658351.025	658410.712	658336.195	658336.195	659816.226	650439.865	652073.572	652243.812	652247.813	652247.813	651770.587	654489.595	654489.022
Depth (Min-Max) (ft bgs)		1-2	1-2	1-2	2-3	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2
Figure Reference		Figure 2-2b	Figure 2-2b	Figure 2-2b	Figure 2-2b	Figure 2-2c	Figure 2-2d	Figure 2-2e	Figure 2-2e	Figure 2-2e	Figure 2-2e	Figure 2-2e	Figure 2-2f	Figure 2-2f
Parameter	**Unit**													
Aroclor 1016	mg/kg	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor 1221	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1232	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1242	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1248	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1254	mg/kg	0.15 J	0.36 J	1.4 J	0.026 J	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.052 J	< 0.017 U	0.039 J
Aroclor 1260	mg/kg	0.025 J	0.045 J	0.15 J	< 0.017 U	< 0.017 U	0.088	0.075 J	< 0.017 U	0.042 J	0.042 J	0.35 J	< 0.017 U	0.061 J
Aroclor 1268	mg/kg	< 0.017 U	0.020 J+	0.057	< 0.017 U	0.018 J	0.13	0.35 J	0.48 J	0.110 J	0.130 J	0.24	0.045	0.044
Total PCB Aroclors	**mg/kg**	**0.175 J**	**0.425 J+**	**1.61 J**	**0.026 J**	**0.018 J**	**0.218**	**0.425 J**	**0.48 J**	**0.152 J**	**0.172 J**	**0.642 J**	**0.045**	**0.144 J**

Table 2-2. Low-Activity Special Use Area Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location Description (PPIN/Previous Sample Identification)		18591 / 18591-G5	30182 / 30182-G1	32487 / CA-1-3503-LA-D		32490 / CA-1-SU-3402-B	16384 / 16384-BY	32612 / 4005-LA-A
Field Sample ID		SO-LASU18591G5-1-2_20230813	SO-LASU30182-1-2-20230802	SO-LASU32487-1-2-20230801	SO-DUP-10-20230801	SO-LASU32490-1-2-20230730	SO-LASU16384BY-1-2-20230802	SO-LASU32612-1-2-20230730
Sample Date		8/13/2023	8/2/2023	8/1/2023	8/1/2023	7/30/2023	8/2/2023	7/30/2023
QA Type		Original	Original	Original	Field Duplicate	Original	Original	Original
Northing		1145759.019	1151820.451	1145312.677	1145312.677	1145658.692	1130522.020	1144554.669
Easting		654488.635	648344.526	648210.105	648210.105	647452.502	657398.886	646546.026
Depth (Min-Max) (ft bgs)		1-2	1-2	1-2	1-2	1-2	1-2	1-2
Figure Reference		Figure 2-2f	Figure 2-2g	Figure 2-2h	Figure 2-2h	Figure 2-2h	Figure 2-2i	Figure 2-2j
Parameter	**Unit**							
Aroclor 1016	mg/kg	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor 1221	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1232	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1242	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1248	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1254	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.037 J	< 0.017 U	0.061 J
Aroclor 1260	mg/kg	< 0.017 U	< 0.017 U	0.032	0.11	0.045 J	0.022	0.071 J
Aroclor 1268	mg/kg	< 0.017 U	< 0.017 U	0.039	0.15	0.095	< 0.017 U	0.020 J
Total PCB Aroclors	**mg/kg**	**< 0.02 U**	**< 0.02 U**	**0.071**	**0.26**	**0.177 J**	**0.022**	**0.152 J**

Notes:
1. Total PCB Aroclor concentrations are determined by USEPA Method 8082A
<: not detected above PQL, PQL provided
ft bgs: feet below ground surface
ID: identification
J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.
J+: The analyte was positively identified; however, the associated numerical value is estimated due to positive bias (i.e., the numerical value may be higher than the true value) of associated quality control or calibration data or attributable to matrix interference.
UJ: The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
max: maximum
mg/kg: milligrams per kilogram
min: minimum
PCB: polychlorinated biphenyl
PPIN: property identification number
PQL: practical quantitation limit
QA: quality assurance
U: non-detect
USEPA: United States Environmental Protection Agency

Table 2-3. Interim Measure Area Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location Description		PB-ASP-08	Brown Automotive (ESL093)	GASCOCL07		WEL042	SED1430R225	SED0010R25 and SED0010R50		Drainageway North of the Miller Property Interim Measure					
Field Sample ID		SO-IM-PBASP08_1-2_20230807	SO-IM-ESL093_1-2_20230807	SO-IM-GASCOCL07-1-2-20230725	SO-DUP-02-20230725	SO-IM-WEL042-1-2-20230725	SO-IM-SED1430R225-1-2-20230725	SO-IM-SED0010R25_50_1-2_20230812	SO-IM-SED0010R25_50_2-3_20230812	SO-EASTSIDE-1-2_20231117	SO-EASTSIDE-2-3_20231117	SO-EASTSIDE-3-4_20231117	SO-EASTSIDE-4-5-20250122	SO-DUP-01-20250122	SO-EASTSIDE-5-6-20250122
Sample Date		8/7/2023	8/7/2023	7/25/2023	7/25/2023	7/25/2023	7/25/2023	8/12/2023	8/12/2023	11/17/2023	11/17/2023	11/17/2023	1/22/2025	1/22/2025	1/22/2025
QA Type		Original	Original	Original	Field Duplicate	Original	Original	Original	Original	Original	Original	Original	Original	Field Duplicate	Original
Northing		1147998.46	1148183.539	1148215.916	1148215.916	1148119.777	1147356.48	1146203.103	1146203.103	1148748.548	1148748.548	1148748.548	1148748.548	1148748.548	1148748.548
Easting		649452.1314	650347.0208	651264.4396	651264.4396	651094.7089	651398.03	650965.6272	650965.6272	651521.5508	651521.5508	651521.5508	651521.5508	651521.5508	651521.5508
Depth (Min-Max) (ft bgs)		1-2	1-2	1-2	1-2	1-2	1-2	1-2	2-3	1-2	2-3	3-4	4-5	4-5	5-6
Figure Reference		Figure 2-3a	Figure 2-3a	Figure 2-3b	Figure 2-3b	Figure 2-3b	Figure 2-3c	Figure 2-3d	Figure 2-3d	Figure 2-3e	Figure 2-3e	Figure 2-3e	Figure 2-3e	Figure 2-3e	Figure 2-3e
Parameter	**Unit**														
Aroclor 1016	mg/kg	< 0.020 U	< 0.020 U	< 0.29 U	< 0.12 U	< 0.29 U	< 0.029 U	< 0.31 U	ND	< 0.65 U	< 0.65 U	< 0.32 U	< 1.3 U	< 6.5 U	< 0.67 U
Aroclor 1221	mg/kg	< 0.017 U	0.026 J	< 0.29 U	< 0.12 U	< 0.29 U	< 0.029 U	< 0.31 U	ND	20	< 0.65 U	< 0.32 U	130 J	120 J	180 J
Aroclor 1232	mg/kg	< 0.017 U	< 0.017 U	< 0.29 U	< 0.12 U	< 0.29 U	< 0.029 U	< 0.31 U	ND	< 0.65 U	< 0.65 U	< 0.32 U	< 1.3 U	< 6.5 U	< 0.67 U
Aroclor 1242	mg/kg	< 0.017 U	< 0.017 U	< 0.29 U	< 0.12 U	< 0.29 U	< 0.029 U	< 0.31 U	ND	< 0.65 U	< 0.65 U	< 0.32 U	260 J	260 J	400 J
Aroclor 1248	mg/kg	< 0.017 U	< 0.017 U	< 0.29 U	< 0.12 U	< 0.29 U	< 0.029 U	< 3.1 U	ND	< 0.65 U	< 0.65 U	< 0.32 U	280 J	280 J	350 J
Aroclor 1254	mg/kg	0.017 J	4.7 J	9.2 J	4.9 J	12 J	1.1 J	340 J	2.1 J	1,600 J	450 J	220 J	200 J	200 J	250 J
Aroclor 1260	mg/kg	0.69 J	6.2 J	8.5 J	3.7 J	8 J	0.48 J	130 J	0.95 J	350 J	260 J	180 J	54 J	73 J	85 J
Aroclor 1268	mg/kg	0.83	11	4.6 J	2.4 J	6	0.79	51	0.54 J	94 J	87 J	25 J	< 1.3 U	< 6.5 U	< 0.67 U
Total PCB Aroclors	**mg/kg**	**1.69 J**	**21.9 J**	**22.3 J**	**11 J**	**25.8 J**	**2.37 J**	**521 J**	**3.59 J**	**2,064 J**	**797 J**	**425 J**	**924 J**	**933 J**	**1,265 J**

Notes:

1. Total PCB Aroclor concentrations are determined by USEPA Method 8082A

<: not detected above PQL, PQL provided
ft bgs: feet below ground surface
ID: identification
J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.
max: maximum
mg/kg: milligrams per kilogram
min: minimum
PCB: polychlorinated biphenyl
PQL: practical quantitation limit
QA: quality assurance
U: non-detect
USEPA: United States Environmental Protection Agency

Table 2-4. Nonresidential Area Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Location Description		Exposure Unit 5 (area west of T-11 Area)	Exposure Unit 5 (area south of Snow Creek)	Exposure Unit 14 North				Exposure Unit 19 North	Expsoure Unit 26
Field Sample ID		SO-NRS-EU5-ISM-1-2-20230801	SO-NRS-EU5_1-2_20230812	SO-NRS-EU14NC1-1-2-20230729	SO-DUP-06-20230729	SO-NRS-EU14NC2-1-2-20230728	SO-DUP-05-20230728	SO-NRS-EU19N_1-2_20230809	SO-NRS-EU26_1-2_20230809
Sample Date		8/1/2023	8/12/2023	7/29/2023	7/29/2023	7/28/2023	7/28/2023	8/9/2023	8/9/2023
QA Type		Original	Original	Original	Field Duplicate	Original	Field Duplicate	Original	Original
Northing		1148838.351	1148720.675	1146358.553	1146358.553	1146381.356	1146381.356	1143377.157	1135049.261
Easting		652897.667	653326.478	655781.934	655781.934	655827.448	655827.448	657188.211	657552.141
Depth (Min-Max) (ft bgs)		1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2
Figure Reference		Figure 2-4a	Figure 2-4a	Figure 2-4b	Figure 2-4b	Figure 2-4b	Figure 2-4b	Figure 2-4c	Figure 2-4d
Parameter	**Unit**								
Aroclor 1016	mg/kg	< 2.7 U	< 0.02 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.02 U
Aroclor 1221	mg/kg	< 2.7 U	< 0.017 U	0.15 J	0.2	0.35 J	0.31	0.17	0.041
Aroclor 1232	mg/kg	< 2.7 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1242	mg/kg	< 2.7 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1248	mg/kg	< 2.7 U	< 0.017 U	3.3 J	3.8	7.3	6.4	< 0.017 U	8
Aroclor 1254	mg/kg	37	1.5 J	6.8 J	8.3 J	11 J	9.7 J	3.1 J	11 J
Aroclor 1260	mg/kg	< 3.2 U	1.3 J	3.9 J	4.9 J	7.8 J	6.4 J	2.4 J	3.8 J
Aroclor 1268	mg/kg	59	1.1	1.3 J+	1.7 J+	3.5 J+	3 J+	1	1.4
Total PCB Aroclors	**mg/kg**	**96**	**3.9 J**	**15.5 J+**	**18.9 J+**	**29.95 J+**	**25.8 J+**	**6.67 J**	**24.4 J**

Table 2-4. Nonresidential Area Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Location Description		Highway 202 Area (north)	Highway 202 Area (south)		Exposure Unit 19 South		
Field Sample ID		SO-NRS-HWY202N-ISM_1-2_20230811	SO-NRS-HWY202SC1_1-2_20230812	SO-NRS-HWY202SC2_1-2_20230813	SO-NRS-EU19S-ISM-C1_1-2_20231114	SO-NRS-EU19S-ISM-C2_1-2_20231114	SO-NRS-EU19S-ISM-C3_1-2_20231114
Sample Date		8/11/2023	8/12/2023	8/13/2023	11/14/2023	11/14/2023	11/14/2023
QA Type		Original	Original	Original	Original	Original	Original
Northing		1146238.901	1146200.118	1146243.381	1141891.242	1141891.242	1141891.242
Easting		651336.279	651626.996	651780.501	657488.869	657488.869	657488.869
Depth (Min-Max) (ft bgs)		1-2	1-2	1-2	1-2	1-2	1-2
Figure Reference		Figure 2-4e	Figure 2-4e	Figure 2-4e	Figure 2-4f	Figure 2-4f	Figure 2-4f
Parameter	**Unit**						
Aroclor 1016	mg/kg	< 0.053 U	< 0.02 U	< 0.02 U	< 0.95 U	< 0.47 U	< 1 U
Aroclor 1221	mg/kg	< 0.053 U	< 0.017 U	< 0.017 U	< 0.95 U	< 0.47 U	< 1 U
Aroclor 1232	mg/kg	< 0.053 U	< 0.017 U	< 0.017 U	< 0.95 U	< 0.47 U	< 1 U
Aroclor 1242	mg/kg	< 0.053 U	< 0.017 U	< 0.017 U	< 0.95 U	< 0.47 U	< 1 U
Aroclor 1248	mg/kg	< 0.053 U	< 0.017 U	< 0.017 U	14 J	13 J	16 J
Aroclor 1254	mg/kg	1.6 J	0.04 J	0.99 J	27 J	21 J	31 J
Aroclor 1260	mg/kg	0.950 J	0.083 J	0.72 J	20 J	19 J	22 J
Aroclor 1268	mg/kg	< 0.064 U	0.14	0.82	< 1.2 U	< 0.57 U	< 1.2 U
Total PCB Aroclors	**mg/kg**	**2.55 J**	**0.263 J**	**2.53 J**	**61 J**	**53 J**	**69 J**

Table 2-4. Nonresidential Area Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Location Description		Exposure Unit 24					North of APCO
Field Sample ID		SO-NRS-EU24C1-1-2_20231115	SO-NRS-EU24C2-1-2_20231115	SO-NRS-EU24C3-0-1-20241214	SO-NRS-DUP-1-20241214	SO-NRS-EU24C3-1-2_20231115	SO-NRS-APCO-1-2_20231116
Sample Date		11/15/2023	11/15/2023	2/14/2024	2/14/2024	11/15/2023	11/16/2023
QA Type		Original	Original	Original	Field Duplicate	Original	Original
Northing		1137322.973	1137322.543	1137201.089	1137201.089	1137201.089	1146841.500
Easting		657426.990	657519.095	657456.710	657456.710	657456.710	648214.003
Depth (Min-Max) (ft bgs)		1-2	1-2	0-1	0-1	1-2	1-2
Figure Reference		Figure 2-4g	Figure 2-4g	Figure 2-4g	Figure 2-4g	Figure 2-4g	Figure 2-4h
Parameter	**Unit**						
Aroclor 1016	mg/kg	< 0.02 U	< 0.02 U	< 0.023 U	< 0.024 U	< 0.02 U	< 0.020 U
Aroclor 1221	mg/kg	< 0.017 U	0.18 J	< 0.019 U	< 0.021 U	< 0.017 U	< 0.017 U
Aroclor 1232	mg/kg	< 0.017 U	< 0.017 U	< 0.019 U	< 0.021 U	< 0.017 U	< 0.017 U
Aroclor 1242	mg/kg	< 0.017 U	< 0.017 U	< 0.019 U	< 0.021 U	< 0.017 U	< 0.017 U
Aroclor 1248	mg/kg	< 0.017 U	< 0.017 U	< 0.019 U	< 0.021 U	< 0.017 U	< 0.017 U
Aroclor 1254	mg/kg	3.5 J	11 J	< 0.019 U	< 0.021 U	< 0.017 U	< 0.017 U
Aroclor 1260	mg/kg	24 J	9.5 J	4.1 J	2.1 J	0.69 J	< 0.017 U
Aroclor 1268	mg/kg	5.8 J	2.4 J	0.79 J	0.28 J	0.2 J	0.019
Total PCB Aroclors	**mg/kg**	**33.3 J**	**23.1 J**	**4.89 J**	**2.38 J**	**0.89 J**	**0.019**

Notes:
1. Total PCB Aroclor concentrations are determined by USEPA Method 8082A

<: not detected

APCO: Alabama Power Company

ft bgs: feet below ground surface

ID: identification

J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.

J+: The analyte was positively identified; however, the associated numerical value is estimated due to positive bias (i.e., the numerical value may be higher than the true value) of associated quality control or calibration data or attributable to matrix interference.

max: maximum
mg/kg: milligrams per kilogram
min: minimum
PCB: polychlorinated biphenyl
PQL: practical quantitation limit
QA: quality assurance
U: non-detect
USEPA: United States Environmental Protection Agency

Table 2-5. Discrete Boing PB-RR-37 Surface and Subsurface Soil Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location Description		PB-RR-37 (Discrete Soil Boring in PB-RR-37 Area)											PB-RR-37 (Composite in PB-RR-37 Area)	Drainage Ditch East of PB-RR-37 Area (Composite)	Drainage Ditch East of PB-RR-37 Area (Discrete Boring)	Drainage Ditch East of PB-RR-37 Area (Discrete Boring)	Drainage Ditch West of PB-RR-37 Area (Composite)
Field Sample ID		SO-PBRR37-0-1-20230730	SO-PBRR37-1-2-20230730	SO-PBRR37-2-3-20230730	SO-PBRR37-3-4-20230730	SO-PBRR37-4-5-20230730	SO-PBRR37-5-6-20230730	SO-PBRR37-6-7-20230730	SO-DUP-07-20230730	SO-PBRR37-7-8-20230730	SO-PBRR37-8-9-20230730	SO-PBRR37-9-10-20230730	SO-PBRR37C-0-1_20231116	SO-PBRR37E1C-0-1_20231116	SO-PBRR37E1-0-1_20231116	SO-PBRR37E2-0-1_20231116	SO-PBRR37W1C-0-1_20231116
Sample Date		7/30/2023	7/30/2023	7/30/2023	7/30/2023	7/30/2023	7/30/2023	7/30/2023	7/30/2023	7/30/2023	7/30/2023	7/30/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023
QA Type		Original	Original	Original	Original	Original	Original	Original	Field Duplicate	Original	Original	Original	Original	Original	Original	Original	Original
Northing		1148953.004	1148953.004	1148953.004	1148953.004	1148953.004	1148953.004	1148953.004	1148953.004	1148953.004	1148953.004	1148953.004	1148942.444	1149011.754	1149042.130	1149046.617	1148864.498
Easting		651994.652	651994.652	651994.652	651994.652	651994.652	651994.652	651994.652	651994.652	651994.652	651994.652	651994.652	651988.137	652374.849	652561.889	652720.605	651773.517
Depth (Min-Max) (ft bgs)		0-1	1-2	2-3	3-4	4-5	5-6	6-7	6-7	7-8	8-9	9-10	0-1	0-1	0-1	0-1	0-1
Figure Reference		Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5	Figure 2-5
Parameter	**Unit**																
Aroclor 1016	mg/kg	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor 1221	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.078	< 0.017 U	0.12 J
Aroclor 1232	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1242	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1248	mg/kg	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U
Aroclor 1254	mg/kg	0.38 J+	0.19 J+	0.085 J+	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	2 J	3 J	1.3 J	1.5 J	7.6 J
Aroclor 1260	mg/kg	1.1 J+	0.27 J+	0.099 J+	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	2.5 J	2.2 J	1.1 J	1.2 J	8.5 J
Aroclor 1268	mg/kg	0.93 J+	0.29 J+	0.11 J+	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	1.6 J	2.2 J	0.75 J	0.96 J	3 J
Total PCB Aroclor	**mg/kg**	**2.4 J+**	**0.75 J+**	**0.29 J+**	**< 0.02 U**	**< 0.02 U**	**< 0.02 U**	**< 0.02 U**	**< 0.02 U**	**< 0.02 U**	**< 0.02 U**	**< 0.02 U**	**6.1 J**	**7.4 J**	**3.3 J**	**3.7 J**	**19.2 J**
Decachlorobiphenyl	mg/kg	0.16	0.072	0.02	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 UJ	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.2	NS	NS	NS	NS
Dichlorobiphenyl	mg/kg	0.0058	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 UJ	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	0.024	NS	NS	NS	NS
Heptachlorobiphenyl	mg/kg	0.097	0.042	0.011	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 UJ	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	0.46	NS	NS	NS	NS
Hexachlorobiphenyl	mg/kg	0.22	0.069	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 UJ	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	0.95	NS	NS	NS	NS
Monochlorobiphenyl	mg/kg	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 UJ	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	0.0097	NS	NS	NS	NS
Nonachlorobiphenyl	mg/kg	0.7	0.21	0.058	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 UJ	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.74	NS	NS	NS	NS
Octachlorobiphenyl	mg/kg	0.12	0.055	0.021	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 UJ	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	0.32	NS	NS	NS	NS
Pentachlorobiphenyl	mg/kg	0.16	0.042	0.013	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 UJ	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	0.7	NS	NS	NS	NS
Tetrachlorobiphenyl	mg/kg	0.02	0.011	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 UJ	< 0.0067 U	< 0.0067 U	< 0.0067 U	< 0.0067 U	0.26	NS	NS	NS	NS
Trichlorobiphenyl	mg/kg	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 UJ	< 0.0033 U	< 0.0033 U	< 0.0033 U	< 0.0033 U	0.026	NS	NS	NS	NS
Total PCB Homolog	**mg/kg**	**1.5**	**0.5**	**0.12**	**< 0.0033 U**	**< 0.017 U**	**< 0.017 U**	**< 0.017 UJ**	**< 0.017 U**	**< 0.017 U**	**< 0.017 U**	**< 0.017 U**	**3.7**	NS	NS	NS	NS

Notes:
1. Total PCB Aroclor concentrations are determined by USEPA Method 8082A.
2. Total PCB homolog specific concentrations are determined by USEPA Method 680.
<: not detected above PQL, PQL provided
ft bgs: feet below ground surface
J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.

J+: The analyte was positively identified; however, the associated numerical value is estimated due to positive bias (i.e., the numerical value may be higher than the true value) of associated quality control or calibration data or attributable to matrix interference.

UJ: The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

max: maximum
mg/kg: milligrams per kilogram
min: minimum
NS: not sampled
PCB: polychlorinated biphenyl
PQL: practical qualitative limit
QA: quality assurance
U: non-detect
USEPA: United States Environmental Protection Agency

Table 2-6. Miller Property Groundwater Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location		CMW-3		
Field Sample ID		CMW-3-U-20250512	GW-U-DUP-20250512	CMW-3-F-20250512
Sample Date		5/12/2025	5/12/2025	5/12/2025
QA Type		Original	Field Duplicate	Original
Northing		1148770.793	1148770.793	1148770.793
Easting		651705.6125	651705.6125	651705.6125
Filtered		Unfiltered	Unfiltered	Filtered
Parameter	**Unit**			
Aroclor 1016	µg/L	<0.5 U	<0.5 U	<0.5 U
Aroclor 1221	µg/L	<0.5 U	<0.5 U	<0.5 U
Aroclor 1232	µg/L	<0.5 U	<0.5 U	<0.5 U
Aroclor 1242	µg/L	<0.5 U	<0.5 U	<0.5 U
Aroclor 1248	µg/L	<0.5 U	<0.5 U	<0.5 U
Aroclor 1254	µg/L	<0.5 U	<0.5 U	<0.5 U
Aroclor 1260	µg/L	<0.5 U	<0.5 U	<0.5 U
Aroclor 1268	µg/L	<0.5 U	<0.5 U	<0.5 U
Total PCB Aroclors	**µg/L**	**<0.5 U**	**<0.5 U**	**<0.5 U**
Monochlorobiphenyls	µg/L	<0.10 U	<0.10 U	<0.10 U
Dichlorobiphenyls	µg/L	<0.10 U	<0.10 U	<0.10 U
Trichlorobiphenyls	µg/L	<0.10 U	<0.10 U	<0.10 U
Tetrachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U
Pentachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U
Hexachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U
Heptachlorobiphenyls	µg/L	<0.30 U	<0.30 U	<0.30 U
Octachlorobiphenyls	µg/L	<0.30 U	<0.30 U	<0.30 U
Nonachlorobiphenyls	µg/L	<0.50 U	<0.50 U	<0.50 U
Decachlorobiphenyl	µg/L	<0.50 U	<0.50 U	<0.50 U
Total PCB homologs	**µg/L**	**<0.10 U**	**<0.10 U**	**<0.10 U**

Notes:
1. Total PCB Aroclor specific concentrations are determined by method 8082A
2. Total PCB homologs specific concentrations are determined by method 680.
3. Data were validated in accordance with the UFP-QAPP.
µg/L: micrograms per liter
PCB: polychlorinated biphenyl

Table 2-7. Summary of Sample Recovery and SPT Blow Counts
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Boring ID	Depth		Split-Spoon Sample Recovery	SPT N-Value
	Top	Bottom		
	(ft bgs)	(ft bgs)	(%)	(blows/ft)
GTB-01	0.0	2.0	100	4
GTB-01	2.0	4.0	50	9
GTB-01	4.0	6.0	50	10
GTB-01	6.0	8.0	50	3
GTB-01	8.0	10.0	100	8
GTB-01	10.0	12.0	100	26
GTB-01	14.0	16.0	25	[1]
GTB-02	0.0	2.0	50	33
GTB-02	2.0	4.0	0	6
GTB-02	4.0	6.0	15	33
GTB-02	6.0	8.0	100	16
GTB-02	10.0	12.0	100	9
GTB-02	12.0	14.0	[2]	79
GTB-02	14.0	16.0	[2]	[1]
GTB-03	0.0	2.0	88	11
GTB-03	2.0	4.0	75	14
GTB-03	6.0	8.0	50	6
GTB-03	8.0	10.0	50	14
GTB-03	10.0	12.0	20	16
GTB-04	0.0	2.0	13	9
GTB-04	2.0	4.0	50	6
GTB-04	4.0	6.0	50	9
GTB-04	6.0	8.0	100	9
GTB-04	12.0	14.0	50	37
GTB-03	14.0	16.0	10	64
GTB-04	16.0	18.0	50	67

Minimum	3
Maximum	79
Average	21
50th Percentile	11
30th Percentile	9

Notes:
1. Refusal on second or third 6-inch drive
2. Recovery not reported
%: percent
blows/ft: blows per foot
ft bgs: feet below ground surface
ID: identification
SPT: standard penetration test

Table 2-8. Summary of Index Properties of Soil Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Boring ID	Sample Depth		Moisture Content	Sieve Analysis			Hydrometer Analysis		Atterberg Limits			USCS Classification	
	Top	Bottom		Gravel	Sand	Fines	Silt	Clay	Liquid Limit	Plastic Limit	Plasticity Index	USCS Symbol	Description
	(ft bgs)	(ft bgs)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(-)	(-)
GTB-01	0.0	2.0	15.9	3.0	42.0	55.0	40.0	15.0	28	18	10	CL	Sandy Lean CLAY
GTB-01	6.0	8.0	16.2	1.0	36.0	63.0	41	22	25	13	12	CL	Sandy Lean CLAY
GTB-01	8.0	10.0	14.6	10.0	45.0	45.0	29	16	25	14	11	SC	Clayey SAND
GTB-01	12.0	14.0	20.2	10.0	40.0	50.0	32	18	31	21	10	CL	Sandy Lean CLAY
GTB-02	6.0	8.0	29.4	4.0	11.0	85.0	47.0	38.0	55	28	27	CH	Fat CLAY with Sand
GTB-02	8.0	10.0	28.6	6.0	9.0	85.0	43	42	51	23	28	CH	Fat CLAY with Sand
GTB-02	12.0	14.0	7.9	14.0	34.0	52.0	51	1	NP	NP	NP	ML	Sandy SILT
GTB-03	2.0	4.0	23.5	0.9	10.2	88.9	47.2	41.7	47	25	22	CL	Lean CLAY
GTB-03	4.0	6.0	29.1	13.0	23.0	64.0	32	32	46	25	21	CL	Lean CLAY
GTB-03	8.0	10.0	13.7	29.0	46.0	25.0	16	9	NP	NP	NP	SM	Silty SAND with Gravel
GTB-03	12.0	14.0	21.1	28.0	26.0	46.0	29	17	32	18	14	SC	Clayey SAND with Gravel
GTB-04	2.0	4.0	15.1	4	43	53	34	19	29	18	11	CL	Sandy Lean CLAY
GTB-04	6.0	8.0	26.0	10	8	82	50	32	34	22	12	CL	Lean CLAY with Gravel
GTB-04	10.0	12.0	21.5	3.0	28.0	69.0	42.0	27.0	34	18	16	CL	Sandy Lean CLAY
GTB-04	14.0	16.0	23.3	0	19	81	55	26	38	23	15	CL	Lean CLAY with Sand
GTB-04	16.0	18.0	22.5	0.0	21.0	79.0	56	23	36	24	12	CL	Lean CLAY with Sand
Minimum	7.9		0.0	8.0	25.0	16.0	1.0	25	13	10			
Maximum	29.4		29.0	46.0	88.9	56.0	42.0	55	28	28			
Average	20.5		8.5	27.6	63.9	40.3	23.7	37	21	16			
50th Percentile	21.3		5	27.0	63.5	41.5	22.5	34	22	13			

Notes
%: percent
ft bgs: feet below ground surface
ID: identification
NP:- Nonplastic
USCS: Unified Soil Classification System

Table 3-1. T-11 PCB Aroclor Groundwater Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location		T-11												
Field Sample ID		T-11-U-20230413	GW-U-DUP-20230413	T-11-F-20230413	GW-F-DUP-20230413	T-11-U-20230801	GW-U-DUP-20230801	T-11-F-20230801	T-11-U-20240603	GW-U-DUP-20240603	T-11-F-20240603	T-11-U-20240920	GW-U-DUP-20240920	T-11-F-20240920
Sample Date		4/13/2023	4/13/2023	4/13/2023	4/13/2023	8/1/2023	8/1/2023	8/1/2023	6/3/2024	6/3/2024	6/3/2024	9/19/2024	9/19/2024	9/19/2024
QA Type		Original	Field Duplicate	Original	Field Duplicate	Original	Field Duplicate	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Northing		1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57
Easting		652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85
Filtered		Unfiltered	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
Parameter	**Unit**													
Aroclor 1016	µg/L	<0.5 U	<0.5 U	<0.5 UJ	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1221	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1232	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1242	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1248	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1254	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1260	µg/L	<0.5 U	<0.5 U	<0.5 UJ	<0.5 UJ	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1268	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Total PCB Aroclors	**µg/L**	**<0.5 U**	**<0.5 U**	**<0.5 UJ**	**<0.5 UJ**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**

Table 3-1. T-11 PCB Aroclor Groundwater Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location		T-11											
Field Sample ID		T-11-U-20241119	GW-U-DUP-20241119	T-11-F-20241119	T-11-U-20250226	GW-U-DUP-20250226	T-11-F-20250226	T-11-U-20250513	GW-U-DUP-20250513	T-11-F-20250513	T-11-U-20250813	GW-U-DUP-20250813	T-11-F-20250813
Sample Date		11/19/2024	11/19/2024	11/19/2024	2/26/2025	2/26/2025	2/26/2025	5/13/2025	5/13/2025	5/13/2025	8/13/2025	8/13/2025	8/13/2025
QA Type		Original	Field Duplicate	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Northing		1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57
Easting		652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85
Filtered		Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
Parameter	**Unit**												
Aroclor 1016	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1221	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1232	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1242	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1248	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1254	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1260	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Aroclor 1268	µg/L	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Total PCB Aroclors	**µg/L**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**	**<0.5 U**

Notes:
1. Total PCB Aroclor specific concentrations are determined by method 8082A

2. Data were validated in accordance with the UFP-QAPP.

µg/L: micrograms per liter
PCB: polychlorinated biphenyl
QA: quality assurance

U: The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Table 3-2. T-11 PCB Homolog and Field Parameter Groundwater Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location		T-11												
Field Sample ID		T-11-U-20230413	GW-U-DUP-20230413	T-11-F-20230413	GW-F-DUP-20230413	T-11-U-20230801	GW-U-DUP-20230801	T-11-F-20230801	T-11-U-20240603	GW-U-DUP-20240603	T-11-F-20240603	T-11-U-20240920	GW-U-DUP-20240920	T-11-F-20240920
Sample Date		4/13/2023	4/13/2023	4/13/2023	4/13/2023	8/1/2023	8/1/2023	8/1/2023	6/3/2024	6/3/2024	6/3/2024	9/20/2024	9/20/2024	9/20/2024
QA Type		Original	Field Duplicate	Original	Field Duplicate	Original	Field Duplicate	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Northing		1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57
Easting		652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85
Filtered		Unfiltered	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
Parameter	**Unit**													
Monochlorobiphenyls	µg/L	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U
Dichlorobiphenyls	µg/L	0.18	0.17	<0.10 U	<0.10 U	0.52	0.52	<0.10 U	0.36	0.44	<0.10 U	<0.10 U	<0.10 U	<0.10 U
Trichlorobiphenyls	µg/L	<0.10 U	<0.10 U	<0.10 U	<0.10 U	0.16	0.19	<0.10 U	0.2	0.25	<0.10 U	0.36	0.38	<0.10 U
Tetrachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Pentachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Hexachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Heptachlorobiphenyls	µg/L	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U
Octachlorobiphenyls	µg/L	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U
Nonachlorobiphenyls	µg/L	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Decachlorobiphenyl	µg/L	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Total PCB homologs	**µg/L**	**0.18**	**0.17**	**<0.10 U**	**<0.10 U**	**0.68**	**0.71**	**<0.10 U**	**0.56**	**0.69**	**<0.10 U**	**0.36**	**0.38**	**<0.10 U**
Oxygen, Dissolved	mg/L	6.15	6.15	6.15	6.15	0.33	0.33	0.33	0.06	0.06	0.06	0.17	0.17	0.17
pH	S.U.	6.18	6.18	6.18	6.18	5.96	5.96	5.96	5.93	5.93	5.93	5.58	5.58	5.58
Conductivity	mS/cm	0.29	0.29	0.29	0.29	0.306	0.306	0.306	0.29	0.29	0.29	0.243	0.243	0.243
Turbidity	NTU	3.66	3.66	3.66	3.66	0.44	0.44	0.44	0.54	0.54	0.54	0.39	0.39	0.39
Temperature	℃	15.91	15.91	15.91	15.91	21.04	21.04	21.04	18.96	18.96	18.96	21.29	21.29	21.29
ORP	mV	226.5	226.5	226.5	226.5	184.7	184.7	184.7	161.1	161.1	161.1	221.4	221.4	221.4

Table 3-2. T-11 PCB Homolog and Field Parameter Groundwater Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location		T-11											
Field Sample ID		T-11-U-20241119	GW-U-DUP-20241119	T-11-F-20241119	T-11-U-20250226	GW-U-DUP-20250226	T-11-F-20250226	T-11-U-20250513	GW-U-DUP-20250513	T-11-F-20250513	T-11-U-20250813	GW-U-DUP-20250813	T-11-F-20250813
Sample Date		11/19/2024	11/19/2024	11/19/2024	2/26/2025	2/26/2025	2/26/2025	5/13/2025	5/13/2025	5/13/2025	8/13/2025	8/13/2025	8/13/2025
QA Type		Original	Field Duplicate	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Northing		1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57
Easting		652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85	652936.85
Filtered		Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
Parameter	**Unit**												
Monochlorobiphenyls	µg/L	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U
Dichlorobiphenyls	µg/L	0.36	0.33	<0.10 U	<0.10 U	<0.10 U	<0.10 U	0.18	0.18	<0.10 U	0.30 J	0.20 J	<0.10 U
Trichlorobiphenyls	µg/L	0.2	0.25	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	<0.10 U	0.13	0.11	<0.10 U
Tetrachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Pentachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Hexachlorobiphenyls	µg/L	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Heptachlorobiphenyls	µg/L	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U
Octachlorobiphenyls	µg/L	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U
Nonachlorobiphenyls	µg/L	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Decachlorobiphenyl	µg/L	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Total PCB homologs	**µg/L**	**0.56**	**0.58**	**<0.10 U**	**<0.10 U**	**<0.10 U**	**<0.10 U**	**0.18**	**0.18**	**<0.10 U**	**0.43 J**	**0.31 J**	**<0.10 U**
Oxygen, Dissolved	mg/L	0.12	0.12	0.12	0.93	0.93	0.93	0.23	0.23	0.23	0.32	0.32	0.32
pH	S.U.	5.56	5.56	5.56	6.05	6.05	6.05	5.96	5.96	5.96	6.21	6.21	6.21
Conductivity	mS/cm	0.283	0.283	0.283	0.248	0.248	0.248	0.212	0.212	0.212	0.242	0.242	0.242
Turbidity	NTU	0.4	0.4	0.4	0.46	0.46	0.46	0.85	0.85	0.85	0.88	0.88	0.88
Temperature	°C	19.63	19.63	19.63	16.03	16.03	16.03	17.26	17.26	17.26	21.45	21.45	21.45
ORP	mV	161.8	161.8	161.8	146.0	146.0	146.0	246.3	246.3	246.3	207.5	207.5	207.5

Notes:
1. Total PCB homologs specific concentrations are determined by method 680.

2. Data were validated in accordance with the UFP-QAPP.

J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.
°C: degrees Celsius
µg/L: micrograms per liter
mg/L: milligrams per liter
mS/cm: milliSiemens per centimeter
mV: millivolts
NTU: Nephelometric Turbidity Unit
ORP: Oxidation Reduction Potential
PCB: polychlorinated biphenyl
QA: quality assurance
S.U.: standard units
U: The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

Table 3-3. T-11 General Chemistry Groundwater Sample Results
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location		T-11					
Field Sample ID		T-11-U-20230413	GW-U-DUP-20230413	T-11-F-20230413	GW-F-DUP-20230413	T-11-U-20250226	T-11-F-20250226
Sample Date		4/13/2023	4/13/2023	4/13/2023	4/13/2023	2/26/2025	2/26/2025
QA Type		Original	Field Duplicate	Original	Field Duplicate	Original	Original
Northing		1148974.57	1148974.57	1148974.57	1148974.57	1148974.57	1148974.57
Easting		652936.85	652936.85	652936.85	652936.85	652936.85	652936.85
Filtered		Unfiltered	Unfiltered	Filtered	Filtered	Unfiltered	Filtered
Parameter	**Unit**						
Alkalinity, Total (As CaCO3)	mg/L	88	88	88	88	80	77
Hardness as calcium carbonate	mg/L	130	110	120	130	120	110
Total Suspended Solids	mg/L	<2.7 U	<2.6 U	-	-	<2.5 U	-
Total Dissolved Solids	mg/L	-	-	160	170	-	150
Chloride	mg/L	3.7	3.7	3.8	3.9	3.8	3.7
Nitrate	mg/L	11 J-	11 J-	11 J-	12 J-	7.3	7.2
Sulfate	mg/L	11	11	11	11	15	16
Calcium	µg/L	31,000	32,000	31,000	31,000	25,000	26,000
Iron	µg/L	<100 U	<100 U	<100 U	<100 U	<100 U	<100 U
Magnesium	µg/L	11,000	11,000	11,000	11,000	9,300	9,500
Manganese	µg/L	140	150	170	170	<10 U	<10 U
Potassium	µg/L	4,200	4,500	4,200	4,200	3,800	3,700
Sodium	µg/L	5,400	5,700	5,300	5,300	5,300	5,500
Total Organic Carbon	mg/L	1.3	1.1	1.1	1	1.6	2.3

Notes:
1. Data were validated in accordance with the UFP-QAPP.
- : not sampled
J-: The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
µg/L: micrograms per liter
mg/L: milligrams per liter
PCB: polychlorinated biphenyl
QA: quality assurance
U: The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

Table 3-4. T-11 Groundwater Microbiological Parameters
OU-1/OU-2 Predesign Investigation Report
Anniston PCB Site, Anniston, Alabama

Location		T-11	
Field Sample ID		T-11-U-20240603	T-11-U-20250226
Sample Date		6/3/2024	2/26/2025
QA Type		Original	Original
Northing		1148974.57	1148974.57
Easting		652936.85	652936.85
Filtered		Unfiltered	Unfiltered
Parameter	**Unit**		
Reductive Dechlorination **– QuantArray®-Chlor**			
Dehalococcoides (DHC)	cells/mL	6	1
tceA Reductase (TCE)	cells/mL	<0.26 U	<0.24 U
BAV1 Vinyl Chloride Reductase (BVC)	cells/mL	<0.26 U	<0.24 U
Vinyl Chloride Reductase (VCR)	cells/mL	<0.26 U	<0.24 U
Dehalobacter spp. (DHBt)	cells/mL	730	<0.24 U
Dehalobacter DCM (DCM)	cells/mL	10	<0.24 U
Dehalogenimonas spp. (DHG)	cells/mL	430	<0.24 U
cerA Reductase (CER)	cells/mL	<0.26 U	<0.24 U
trans-1,2-DCE Reductase (TDR)	cells/mL	<0.26 U	<0.24 U
Desulfitobacterium spp. (DSB)	cells/mL	340	89
Dehalobium chlorocoercia (DECO)	cells/mL	1,700	120
Desulfuromonas spp. (DSM)	cells/mL	<0.26 U	<0.24 U
PCE Reductase (PCE-1)	cells/mL	<0.26 U	<0.24 U
PCE Reductase (PCE-2)	cells/mL	<0.26 U	<0.24 U
Chloroform Reductase (CFR)	cells/mL	<0.26 U	<0.24 U
1,1 DCA Reductase (DCA)	cells/mL	<0.26 U	<0.24 U
1,2 DCA Reductase (DCAR)	cells/mL	22	<0.24 U
Aerobic (Co)Metabolic **– QuantArray®-Chlor**			
Soluble Methane Monooxygenase (SMMO)	cells/mL	<0.26 U	<0.24 U
Toluene Dioxygenase (TOD)	cells/mL	<0.26 U	<0.24 U
Phenol Hydroxylase (PHE)	cells/mL	360	54
Trichlorobenzene Dioxygenase (TCBO)	cells/mL	<0.26 U	<0.24 U
Toluene Monooxygenase 2 (RDEG)	cells/mL	5,300	<0.24 U
Toluene Monooxygenase (RMO)	cells/mL	290	<0.24 U
Ethene Monooxygenase (EtnC)	cells/mL	<0.26 U	<0.24 U
Epoxyalkane Transferase (EtnE)	cells/mL	<0.26 U	26
Dichloromethane Dehalogenase (DCMA)	cells/mL	<0.26 U	<0.24 U
Other **– QuantArray®-Chlor**			
Total Eubacteria (EBAC)	cells/mL	990,000	220,000
Sulfate Reducing Bacteria (APS)	cells/mL	3,300	1,100
Methanogens (MGN)	cells/mL	0.63	<0.24 U
Other **– QuantArray®-Chlor**			
PCB Reductase (PCBR)	cells/mL	<0.26 U	0.17 J
Biphenyl Dioxygenase (BPH4)	cells/mL	<0.26 U	<0.24 U

Notes:
1. Data were validated in accordance with the UFP-QAPP.
cells/mL: cells per milliliter
J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
PCB: polychlorinated biphenyl
QA: quality assurance

U: The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
0A	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652730.0	1149095.5	694.5	Top of west bank	--	--	--	--
0B	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652732.1	1149100.8	691.0	Bottom of west bank	--	--	0	--
0C	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652733.2	1149105.4	688.9	Middle of creek	--	0	0	--
0D	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652739.5	1149110.7	687.8	Bottom of east bank	--	11	1	Gravel
0E	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652749.9	1149123.6	691.9	Top of east bank	--	--	--	--
0F	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652731.1	1149129.1	689.0	Sediment deposit	T000-02	--	9	Sand, aggrading bar
0G	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652723.0	1149116.8	689.6	Sediment deposit	T000-01	--	18	Sand, aggrading bar
0H	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652723.2	1149115.0	688.3	Sediment deposit	T000-01	--	16	Sand, aggrading bar
0I	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652739.6	1149116.3	689.0	Sediment deposit	T000-02	--	16	Sand, aggrading bar
0J*	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652744.8	1149111.1	--	Sediment deposit	T000-02	--	6	Cobbles with sands, aggrading bar
0K*	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652746.5	1149084.4	--	Sediment deposit, under bridge, No GPS signal	T000-03	--	30	Sand, channel deposit
0L*	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652747.6	1149076.2	--	Sediment deposit, under bridge, No GPS signal	T000-03	--	18	Sand, channel deposit
0M*	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652751.1	1149065.1	--	Sediment deposit, under bridge, No GPS signal	T000-03	--	6	Sand, channel deposit
0N	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652765.9	1149051.3	689.6	Sediment deposit	T000-04	--	7	Cobbles and sand, aggrading bar
0O	T000-00	Area 1	4-1a	Phase 1	2023-11-20	652765.1	1149045.0	688.6	Sediment deposit	T000-04	--	12	Cobbles and sand, aggrading bar
1A	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652763.3	1149010.1	692.2	Top of west bank	--	--	--	--
1B ◊	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652770.7	1149016.8	686.2	Middle of creek	--	5	10	Sand over clay, debris present
1C	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652778.3	1149017.7	687.3	Bottom of east bank	--	0	0	Debris
1D	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652791.9	1149026.4	691.0	Top of east bank	--	--	--	--
1E	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652812.0	1149001.2	690.3	Sediment deposit	T001-01	--	0	Edge of bank deposit
1F*	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652821.8	1148993.1	--	Sediment deposit	T001-01	--	0	Sand, bank deposit
1G	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652838.3	1148978.8	689.6	Sediment deposit	T001-01	--	32	Sand and clay, bank deposit
1H	T001-00	Area 1	4-1a	Phase 1	2023-11-20	652851.8	1148968.4	690.0	Sediment deposit	T001-01	--	36	Sand and clay, bank deposit
2A	T002-00	Area 1	4-1a	Phase 1	2023-11-06	652828.3	1148935.5	696.8	Top of west bank	--	--	--	--
2B	T002-00	Area 1	4-1a	Phase 1	2023-11-06	652837.5	1148943.7	693.9	Bottom of west bank	--	11	0	Clay with rocks and sand
2C*	T002-00	Area 1	4-1a	Phase 1	2023-11-06	652843.4	1148950.8	--	Middle of creek	--	11	0	Clay with rocks and sand
2D	T002-00	Area 1	4-1a	Phase 1	2023-11-06	652848.9	1148960.3	694.0	Bottom of east bank	--	0	0	--
2E*	T002-00	Area 1	4-1a	Phase 1	2023-11-06	652866.9	1148982.1	--	Top of east bank	--	--	--	--
3A	T003-00	Area 1	4-1a	Phase 1	2023-11-06	652905.7	1148869.7	702.9	Top of west bank	--	--	--	--
3B	T003-00	Area 1	4-1a	Phase 1	2023-11-06	652923.1	1148883.3	692.8	Bottom of west bank	--	12	0	Clay with silt, downed tree
3C*	T003-00	Area 1	4-1a	Phase 1	2023-11-06	652925.5	1148893.9	--	Middle of creek	--	12	0	Clay with silt and rocks
3D	T003-00	Area 1	4-1a	Phase 1	2023-11-06	652935.4	1148901.6	693.7	Bottom of east bank	--	5	0	Clay with silt and rocks
3E*	T003-00	Area 1	4-1a	Phase 1	2023-11-06	652950.4	1148924.0	--	Top of east bank	--	--	--	--
4A	T004-00	Area 1	4-1a	Phase 1	2023-11-06	652990.8	1148815.1	694.9	Top of west bank	--	--	--	--
4B*	T004-00	Area 1	4-1a	Phase 1	2023-11-06	652994.4	1148818.6	--	Bottom of west bank	--	8	0	Clay with silt, debris
4C	T004-00	Area 1	4-1a	Phase 1	2023-11-06	653011.8	1148842.7	707.4	Middle of creek	--	14	0	Sheen observed
4D	T004-00	Area 1	4-1a	Phase 1	2023-11-06	653013.5	1148845.8	692.9	Bottom of east bank	--	--	0	Sandy clay
4E	T004-00	Area 1	4-1a	Phase 1	2023-11-06	653018.3	1148869.4	699.4	Top of east bank	--	--	--	--
5A	T005-00	Area 1	4-1a	Phase 1	2023-11-07	653070.8	1148755.4	694.8	Top of west bank	--	--	--	--
5B	T005-00	Area 1	4-1a	Phase 1	2023-11-07	653075.7	1148763.8	680.6	Bottom of west bank	--	--	0	Clay and silt over rocky sand
5C	T005-00	Area 1	4-1a	Phase 1	2023-11-07	653081.8	1148771.4	686.8	Middle of creek	--	5	0	Clay and silt over rocky sand
5D	T005-00	Area 1	4-1a	Phase 1	2023-11-07	653090.8	1148781.9	687.1	Bottom of east bank	--	--	0	Clay and silt over rocky sand
5E	T005-00	Area 1	4-1a	Phase 1	2023-11-07	653104.7	1148802.5	687.6	Top of east bank	--	--	--	--
6A	T006-00	Area 1	4-1a	Phase 1	2023-11-07	653173.4	1148745.1	686.5	Bottom of west bank	--	2	0	--
6B	T006-00	Area 1	4-1a	Phase 1	2023-11-07	653173.8	1148751.2	686.8	Middle of creek	--	2	0	Rock
6C	T006-00	Area 1	4-1a	Phase 1	2023-11-07	653168.7	1148758.7	680.4	Bottom of east bank	--	2	0	Rock
6D	T006-00	Area 1	4-1a	Phase 1	2023-11-07	653161.6	1148782.4	684.5	Top of east bank	--	--	--	--
7A	T007-00	Area 1	4-1a	Phase 1	2023-11-07	653272.3	1148774.1	686.2	Bottom of west bank	--	2	0	Gravel with fines
7B	T007-00	Area 1	4-1a	Phase 1	2023-11-07	653268.2	1148782.9	684.6	Middle of creek	--	25	0	Gravel with fines
7C	T007-00	Area 1	4-1a	Phase 1	2023-11-07	653265.7	1148790.8	686.5	Bottom of east bank	--	4	0	Gravel with fines
7D	T007-00	Area 1	4-1a	Phase 1	2023-11-07	653266.3	1148812.8	693.3	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
8A	T008-00	Area 1	4-1a	Phase 1	2023-11-07	653364.3	1148819.1	684.7	Bottom of west bank	--	--	0	Gravel with fines, Steep bank with car parts and debris, sloughing
8B	T008-00	Area 1	4-1a	Phase 1	2023-11-07	653360.8	1148821.5	685.1	Middle of creek	--	3	0	Gravel with fines
8C	T008-00	Area 1	4-1a	Phase 1	2023-11-07	653358.9	1148835.3	685.2	Bottom of east bank	--	3	0	Gravel with fines
8D*	T008-00	Area 1	4-1a	Phase 1	2023-11-16	653464.1	1148853.4	--	Sediment deposit	T008-03	--	36	Fines with sand and gravel, bank deposit, greater than 3 ft
8E	T008-00	Area 1	4-1a	Phase 1	2023-11-16	653491.9	1148859.8	685.7	Sediment deposit	T008-03	--	17	Fines with sand and gravel, bank deposit
9A	T009-00	Area 1	4-1b	Phase 1	2023-11-07	653456.1	1148857.8	684.4	Bottom of west bank	--	2	0	Gravel with fines, steep bank, downed tree, sloughing bank
9B	T009-00	Area 1	4-1b	Phase 1	2023-11-07	653454.3	1148860.4	684.4	Middle of creek	--	6	0	Gravel with fines
9C	T009-00	Area 1	4-1b	Phase 1	2023-11-07	653453.2	1148866.4	684.9	Bottom of east bank	--	--	0	Gravel with fines
9D	T009-00	Area 1	4-1b	Phase 1	2023-11-16	653514.8	1148861.4	685.0	Sediment deposit	T009-01	--	9	Fines with sand and gravel, bank deposit
9E	T009-00	Area 1	4-1b	Phase 1	2023-11-16	653527.4	1148868.3	686.0	Sediment deposit	T009-01	--	11	Fines with sand and gravel, bank deposit
9F	T009-00	Area 1	4-1b	Phase 1	2023-11-16	653570.9	1148866.5	685.0	Sediment deposit	T009-01	--	12	Fines with sand and gravel, bank deposit
10A	T010-00	Area 1	4-1b	Phase 1	2023-11-16	653550.3	1148860.0	684.9	Bottom of west bank	--	0	2	Clay topped with sand and cobbles
10B	T010-00	Area 1	4-1b	Phase 1	2023-11-16	653546.5	1148866.8	687.1	Middle of creek	T009-01	0	12	Clay topped with sand and cobbles
10C ◊	T010-00	Area 1	4-1b	Phase 1	2023-11-16	653552.2	1148881.2	683.9	Bottom of east bank	--	--	11	Clay topped with sand and cobbles
11A ◊	T011-00	Area 1	4-1b	Phase 1	2023-11-16	653652.0	1148839.5	683.9	Bottom of west bank	--	0	6	Sands and hard clay topped with sand
11B	T011-00	Area 1	4-1b	Phase 1	2023-11-16	653654.0	1148847.1	682.8	Middle of creek	--	13	5	Sands and hard clay topped with sand
11C ◊	T011-00	Area 1	4-1b	Phase 1	2023-11-16	653655.7	1148854.6	683.7	Bottom of east bank	--	--	22	Clay topped with sand and cobbles
12A ◊	T012-00	Area 1	4-1b	Phase 1	2023-11-16	653745.3	1148806.5	683.7	Bottom of west bank	--	1	14	Clay and cobbles
12B ◊	T012-00	Area 1	4-1b	Phase 1	2023-11-16	653745.5	1148812.9	683.0	Middle of creek	--	12	24	Clay, no observable deposit feature
12C	T012-00	Area 1	4-1b	Phase 1	2023-11-16	653741.0	1148820.2	685.1	Bottom of east bank	--	0	5	Sands with gravel and cobbles
13A	T013-00	Area 1	4-1b	Phase 2	2024-09-24	653837.9	1148772.0	--	Top of west bank	--	--	--	--
13B	T013-00	Area 1	4-1b	Phase 2	2024-09-24	653839.3	1148776.1	--	Bottom of west bank	--	0	0	--
13C	T013-00	Area 1	4-1b	Phase 2	2024-09-24	653841.5	1148780.4	--	Middle of creek	--	3	0	--
13D	T013-00	Area 1	4-1b	Phase 2	2024-09-24	653843.7	1148784.5	--	Bottom of east bank	--	0	--	--
14A	T014-00	Area 1	4-1b	Phase 2	2024-09-24	653923.7	1148730.5	--	Top of east bank	--	--	--	--
14B	T014-00	Area 1	4-1b	Phase 2	2024-09-24	653925.6	1148735.4	--	Bottom of east bank	--	0	--	--
14C	T014-00	Area 1	4-1b	Phase 2	2024-09-24	653929.7	1148741.8	--	Middle of creek	--	8	0	--
14D	T014-00	Area 1	4-1b	Phase 2	2024-09-24	653932.0	1148746.7	--	Bottom of west bank	--	0	--	--
15A	T015-00	Area 1	4-1b	Phase 2	2024-09-24	654017.5	1148692.3	--	Top of east bank	--	0	--	--
15B	T015-00	Area 1	4-1b	Phase 2	2024-09-24	654019.2	1148693.5	--	Bottom of east bank	--	0	--	--
15C	T015-00	Area 1	4-1b	Phase 2	2024-09-24	654021.9	1148699.9	--	Middle of creek	--	5	0	--
15D	T015-00	Area 1	4-1b	Phase 2	2024-09-24	654024.7	1148709.4	--	Bottom of west bank	--	0	0	--
16A	T016-00	Area 1	4-1b	Phase 2	2024-09-24	654113.6	1148660.6	--	Top of east bank	--	--	--	--
16B	T016-00	Area 1	4-1b	Phase 2	2024-09-24	654114.2	1148662.9	--	Bottom of west bank	--	0	0	--
16C	T016-00	Area 1	4-1b	Phase 2	2024-09-24	654117.0	1148667.5	--	Middle of creek	--	4	0	--
16D	T016-00	Area 1	4-1b	Phase 2	2024-09-24	654119.6	1148670.8	--	Bottom of east bank	--	0	--	--
17A	T017-00	Area 1	4-1c	Phase 2	2024-09-24	654201.7	1148614.5	--	Top of west bank	--	--	--	--
17B	T017-00	Area 1	4-1c	Phase 2	2024-09-24	654206.7	1148618.3	--	Bottom of west bank	--	0	--	--
17C	T017-00	Area 1	4-1c	Phase 2	2024-09-24	654208.1	1148622.5	--	Middle of creek	--	12	--	--
17D	T017-00	Area 1	4-1c	Phase 2	2024-09-24	654211.8	1148625.4	--	Bottom of east bank	--	--	--	--
18A	T018-00	Area 1	4-1c	Phase 2	2024-09-24	654285.9	1148565.7	--	Top of west bank	--	--	--	--
18B	T018-00	Area 1	4-1c	Phase 2	2024-09-24	654289.6	1148567.3	--	Bottom of west bank	--	8	--	--
18C	T018-00	Area 1	4-1c	Phase 2	2024-09-24	654296.0	1148572.6	--	Middle of creek	--	24	0	--
18D	T018-00	Area 1	4-1c	Phase 2	2024-09-24	654302.4	1148579.8	--	Bottom of east bank	--	0	--	--
18E	T019-00	Area 1	4-1c	Phase 2	2024-09-24	654362.6	1148519.0	--	Top of west bank	--	--	--	--
18F	T019-00	Area 1	4-1c	Phase 2	2024-09-24	654364.8	1148520.1	--	Bottom of west bank	--	0	--	--
18G	T019-00	Area 1	4-1c	Phase 2	2024-09-24	654369.1	1148525.6	--	Middle of creek	--	11	0	--
18H	T019-00	Area 1	4-1c	Phase 2	2024-09-24	654374.5	1148532.4	--	Bottom of east bank	--	0	--	--
19A	T019-00	Area 1	4-1c	Phase 1	2023-11-07	654387.7	1148532.3	687.5	Top of east bank	--	--	--	Railroad embankment
19B	T019-00	Area 1	4-1c	Phase 1	2023-11-16	654402.8	1148500.3	682.4	Sediment deposit	T019-01	--	8	Cobbles with sand and gravel, very rocky, channel deposit
19C	T019-00	Area 1	4-1c	Phase 1	2023-11-16	654413.8	1148491.3	682.1	Sediment deposit	T019-01	--	6	Cobbles with sand and gravel, channel deposit
19D	T019-00	Area 1	4-1c	Phase 1	2023-11-16	654442.1	1148472.8	681.8	Sediment deposit	T019-01	--	4	Cobbles with sand and gravel, channel deposit

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
20A	T020-00	Area 1	4-1c	Phase 1	2023-11-07	654439.2	1148444.9	686.8	Top of west bank	--	--	--	Construction site
20B	T020-00	Area 1	4-1c	Phase 1	2023-11-07	654444.4	1148449.4	681.1	Bottom of west bank	--	--	0	Rock with sand
20C	T020-00	Area 1	4-1c	Phase 1	2023-11-07	654455.0	1148458.8	680.3	Middle of creek	--	4	0	Rock with sand
20D	T020-00	Area 1	4-1c	Phase 1	2023-11-07	654456.6	1148460.7	680.7	Bottom of east bank	--	--	0	Rock with sand
20E	T020-00	Area 1	4-1c	Phase 1	2023-11-21	654464.5	1148478.5	689.0	Top of east bank	--	--	--	Railroad embankment
21A	T021-00	Area 1	4-1c	Phase 1	2023-11-07	654520.9	1148387.6	685.7	Top of west bank	--	--	--	Construction site
21B	T021-00	Area 1	4-1c	Phase 1	2023-11-07	654524.8	1148392.8	679.5	Bottom of west bank	--	7	0	Gravelly sand with fines
21C	T021-00	Area 1	4-1c	Phase 1	2023-11-07	654530.9	1148401.5	678.6	Middle of creek	--	17	0	Gravelly sand with fines
21D	T021-00	Area 1	4-1c	Phase 1	2023-11-07	654538.5	1148411.7	679.9	Bottom of east bank	--	--	0	Gravelly sand with fines
21E	T021-00	Area 1	4-1c	Phase 1	2023-11-21	654543.1	1148419.0	686.4	Top of east bank	--	--	--	Railroad embankment
22A	T022-00	Area 1	4-1c	Phase 1	2023-11-21	654597.0	1148323.6	682.2	Top of west bank	--	--	--	Construction site
22B	T022-00	Area 1	4-1c	Phase 1	2023-11-07	654598.9	1148325.0	679.9	Bottom of west bank	--	--	0	Sand with gravel and fines
22C	T022-00	Area 1	4-1c	Phase 1	2023-11-07	654607.8	1148331.6	677.3	Middle of creek	--	29	0	Sand with gravel and fines
22D	T022-00	Area 1	4-1c	Phase 1	2023-11-07	654616.0	1148340.6	679.5	Bottom of east bank	--	1	0	Sand with gravel and fines
22E	T022-00	Area 1	4-1c	Phase 1	2023-11-07	654620.8	1148347.0	690.8	Top of east bank	--	--	--	Railroad embankment
23A	T023-00	Area 1	4-1d	Phase 1	2023-11-21	654668.1	1148254.3	682.3	Top of west bank	--	--	--	Construction site
23B	T023-00	Area 1	4-1d	Phase 1	2023-11-07	654672.9	1148255.8	676.9	Bottom of west bank	--	19	0	Sand with silt and clay
23C	T023-00	Area 1	4-1d	Phase 1	2023-11-07	654680.0	1148263.6	675.6	Middle of creek	--	24	0	Sand with silt and clay
23D	T023-00	Area 1	4-1d	Phase 1	2023-11-07	654685.7	1148271.3	676.8	Bottom of east bank	--	9	0	Sand with silt and clay
23E	T023-00	Area 1	4-1d	Phase 1	2023-11-07	654689.6	1148285.4	690.2	Top of east bank	--	--	--	Railroad embankment
24A	T024-00	Area 1	4-1d	Phase 1	2023-11-21	654747.7	1148187.4	681.6	Top of west bank	--	--	--	Railroad embankment
24B*	T024-00	Area 1	4-1d	Phase 1	2023-11-07	654748.6	1148188.5	--	Bottom of west bank	--	1	0	Sandy with rocks
24C	T024-00	Area 1	4-1d	Phase 1	2023-11-07	654756.9	1148199.8	678.7	Middle of creek	--	16	0	Sandy with rocks, sheen observed
24D	T024-00	Area 1	4-1d	Phase 1	2023-11-07	654764.3	1148210.2	679.6	Bottom of east bank	--	4	0	Sandy with rocks
24E	T024-00	Area 1	4-1d	Phase 1	2023-11-07	654765.9	1148212.8	683.9	Top of east bank	--	--	--	Construction site
25A	T025-00	Area 2	4-1d	Phase 1	2023-11-08	654768.8	1148135.5	685.4	Top of west bank	--	--	--	--
25B	T025-00	Area 2	4-1d	Phase 1	2023-11-16	654789.1	1148139.0	678.0	Bottom of west bank	--	0	4	Fines with gravel
25C	T025-00	Area 2	4-1d	Phase 1	2023-11-16	654803.3	1148151.1	677.7	Middle of creek	--	12	2	Sands with gravel
25D	T025-00	Area 2	4-1d	Phase 1	2023-11-16	654812.9	1148160.4	676.6	Bottom of east bank	--	10	2	Sands with gravel
25E	T025-00	Area 2	4-1d	Phase 1	2023-11-16	654847.2	1148071.0	685.4	Sediment deposit	T025-01	--	36	Aggrading bar
26A	T026-00	Area 2	4-1d	Phase 1	2023-11-08	654836.1	1148018.1	687.9	Top of west bank	--	--	--	Steep slope
26B	T026-00	Area 2	4-1d	Phase 1	2023-11-08	654839.4	1148022.3	682.1	Bottom of west bank	--	0	0	Gravel with sand and larger rocks
26C	T026-00	Area 2	4-1d	Phase 1	2023-11-08	654852.6	1148028.3	678.6	Middle of creek	--	0	0	Gravel with sand and larger rocks
26D	T026-00	Area 2	4-1d	Phase 1	2023-11-08	654865.0	1148036.5	681.6	Bottom of east bank	--	0	0	Gravel with sand and larger rocks
26E	T026-00	Area 2	4-1d	Phase 1	2023-11-08	654868.0	1148039.4	683.9	Top of east bank	--	--	--	Railroad embankment
27A	T027-00	Area 2	4-1d	Phase 1	2023-11-08	654886.2	1147932.9	689.1	Top of west bank	--	--	--	--
27B	T027-00	Area 2	4-1d	Phase 1	2023-11-08	654894.1	1147935.7	686.8	Bottom of west bank	--	0	0	Cobbles with sand
27C	T027-00	Area 2	4-1d	Phase 1	2023-11-08	654904.9	1147939.8	681.0	Middle of creek	--	2	0	Cobbles with sand
27D	T027-00	Area 2	4-1d	Phase 1	2023-11-08	654911.4	1147942.6	692.2	Bottom of east bank	--	0	0	Cobbles with sand
27E	T027-00	Area 2	4-1d	Phase 1	2023-11-08	654919.7	1147946.5	694.0	Top of east bank	--	--	--	--
27F	T027-00	Area 2	4-1d	Phase 1	2023-11-08	654923.7	1147899.7	684.1	Location of previous deposit (S-2-3A), no sediment observed	--	--	0	Gravel with sand
28A	T028-00	Area 2	4-1d	Phase 1	2023-11-08	654936.9	1147841.1	685.2	Top of west bank	--	--	--	--
28B	T028-00	Area 2	4-1d	Phase 1	2023-11-08	654947.2	1147849.1	678.0	Bottom of west bank	--	3	0	Cobbles with sand
28C	T028-00	Area 2	4-1d	Phase 1	2023-11-08	654958.7	1147850.9	681.5	Middle of creek	--	3	0	Cobbles with sand
28D	T028-00	Area 2	4-1d	Phase 1	2023-11-08	654968.2	1147856.1	678.0	Bottom of east bank	--	0	0	Cobbles with sand
28E	T028-00	Area 2	4-1d	Phase 1	2023-11-15	654974.8	1147858.4	685.5	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
29A*	T029-00	Area 2	4-1d	Phase 1	2023-11-08	654954.7	1147750.5	--	Top of west bank	--	--	--	--
29B	T029-00	Area 2	4-1d	Phase 1	2023-11-08	654980.0	1147761.3	675.7	Bottom of west bank	T029-01	0	36	Cobbles with gravel and sand
29C	T029-00	Area 2	4-1d	Phase 1	2023-11-08	654990.3	1147764.7	679.3	Middle of creek	T029-01	2	36	Cobbles with gravel and sand
29D	T029-00	Area 2	4-1d	Phase 1	2023-11-08	655003.7	1147769.3	674.9	Bottom of east bank	--	0	0	Cobbles gravel and sand
29E	T029-00	Area 2	4-1d	Phase 1	2023-11-08	655010.3	1147773.1	680.1	Top of east bank	--	--	--	--
29F	T029-00	Area 2	4-1d	Phase 1	2023-11-08	654979.6	1147753.0	688.0	Sediment deposit	T029-01	--	36	Sand and fines, aggrading bar
29G	T029-00	Area 2	4-1d	Phase 1	2023-11-15	654964.9	1147733.3	687.0	Sediment deposit	T029-01	--	36	Sand and fines, aggrading bar
29H	T029-00	Area 2	4-1d	Phase 1	2023-11-15	654981.6	1147733.1	685.7	Sediment deposit	T029-01	--	36	Sand and fines, aggrading bar
30A*	T030-00	Area 2	4-1e	Phase 2	2024-10-14	654948.4	1147655.7	--	Highway 202 Culvert - Western culvert - Upstream end	T029-02#	0	18	Gravel sand with little fines
31A*	T031-00	Area 2	4-1e	Phase 2	2024-10-14	654927.9	1147555.2	--	Highway 202 Culvert - Western culvert - Center	T029-02#	0	20	Gravel sand with little fines
32A*	T032-00	Area 2	4-1e	Phase 2	2024-10-14	654906.6	1147450.6	--	Highway 202 Culvert - Western culvert - Downstream end	T029-02#	0	34	Gravel sand with little fines
30B*	T030-00	Area 2	4-1e	Phase 2	2024-10-14	654959.8	1147657.2	--	Highway 202 Culvert - Mid-western culvert - Upstream end	T029-03#	0	24	Gravel sand with little fines
31B*	T031-00	Area 2	4-1e	Phase 2	2024-10-14	654939.1	1147555.1	--	Highway 202 Culvert - Mid-western culvert - Center	T029-03#	0	37	Gravel sand with little fines
32B*	T032-00	Area 2	4-1e	Phase 2	2024-10-14	654918.2	1147452.6	--	Highway 202 Culvert - Mid-western culvert - Downstream end	T029-03#	0	36	Gravel sand with little fines
30C*	T030-00	Area 2	4-1e	Phase 2	2024-10-14	654970.5	1147654.4	--	Highway 202 Culvert - Center culvert - Upstream end	T029-04#	0	18	Sand with gravel
31C*	T031-00	Area 2	4-1e	Phase 2	2024-10-14	654949.6	1147551.9	--	Highway 202 Culvert - Center culvert - Center end	T029-04#	0	42	Sand with gravel
32C*	T032-00	Area 2	4-1e	Phase 2	2024-10-14	654927.5	1147442.9	--	Highway 202 Culvert - Center culvert - Downstream end	T029-04#	0	42	Sand with gravel
30D*	T030-00	Area 2	4-1e	Phase 2	2024-10-14	654979.7	1147645.3	--	Highway 202 Culvert - Mid-eastern culvert- Upstream end	T029-05#	0	13	Cobbly sands
31D*	T031-00	Area 2	4-1e	Phase 2	2024-10-14	654970.9	1147602.2	--	Highway 202 Culvert - Mid-eastern culvert- Center	T029-05#	0	7	Cobbly sands
32D*	T032-00	Area 2	4-1e	Phase 2	2024-10-14	654954.5	1147521.9	--	Highway 202 Culvert - Mid-eastern culvert- Downstream end	T029-05#	0	4	Cobbly sands
30E*	T030-00	Area 2	4-1e	Phase 2	2024-10-14	655003.6	1147708.5	--	Highway 202 Culvert - Eastern culvert - Upstream end	T029-06#	1	0	concrete
31E*	T031-00	Area 2	4-1e	Phase 2	2024-10-14	654978.8	1147586.9	--	Highway 202 Culvert - Eastern culvert - Center	T029-06#	2	0	concrete
32E*	T032-00	Area 2	4-1e	Phase 2	2024-10-14	654948.1	1147435.9	--	Highway 202 Culvert - Eastern culvert - Downstream end	T029-06#	8	1	Gravel/cobbles over concrete
33A	T033-00	Area 2	4-1e	Phase 1	2023-11-13	654908.5	1147411.9	678.5	Sediment deposit	T033-01	--	36	Sand with fines and gravel, channel deposit
33B	T033-00	Area 2	4-1e	Phase 1	2023-11-13	654919.2	1147410.1	678.5	Sediment deposit	T033-01	--	36	Sand with fines and gravel, channel deposit
33C	T033-00	Area 2	4-1e	Phase 1	2023-11-13	654926.0	1147412.8	677.5	Sediment deposit	T033-01	--	12	Sand with fines and gravel, channel deposit
33D	T033-00	Area 2	4-1e	Phase 1	2023-11-13	654921.8	1147387.9	678.5	Sediment deposit	T033-01	--	21	Sand with fines, channel deposit
33E	T033-00	Area 2	4-1e	Phase 1	2023-11-13	654951.0	1147414.8	671.9	Sediment deposit	T033-02	--	13	Fines with sand, bank deposit
33F	T033-00	Area 2	4-1e	Phase 1	2023-11-13	654948.5	1147397.9	674.2	Sediment deposit	T033-02	--	13	Fines with sand, bank deposit
33G	T033-00	Area 2	4-1e	Phase 1	2023-11-13	654932.7	1147369.4	676.5	Sediment deposit	T033-02	--	7	Fines with sand and cobbles, bank deposit
34A	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654891.0	1147298.4	686.8	Top of west bank	--	--	--	Riprap on slope
34B	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654902.2	1147301.4	682.1	Bottom of west bank	--	3	0	Cobbles with gravel
34C	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654907.5	1147295.6	671.9	Middle of creek	--	9	0	Cobbles with gravel
34D	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654916.7	1147295.4	681.9	Bottom of east bank	--	3	0	Cobbles with gravel
34E	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654923.8	1147299.6	688.6	Top of east bank	--	--	--	--
34F	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654917.5	1147276.1	679.5	Sediment deposit	T034-01	--	3	Sand with some fines, bank deposit
34G	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654917.2	1147272.4	679.8	Sediment deposit	T034-01	--	6	Sand with some fines, bank deposit
34H	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654916.9	1147272.0	680.1	Sediment deposit	T034-01	--	12	Sand with some fines, bank deposit
34I	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654916.6	1147265.6	679.5	Sediment deposit	T034-01	--	10	Sand with some fines, bank deposit
34J	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654918.2	1147253.7	680.4	Sediment deposit	T034-01	--	18	Sand with some fines, bank deposit
34K	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654918.0	1147240.1	679.8	Sediment deposit	T034-01	--	7	Sand with some fines, bank deposit
34L	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654914.5	1147239.8	679.8	Sediment deposit	T034-01	--	8	Sand with some fines, bank deposit
34M	T034-00	Area 2	4-1e	Phase 1	2023-11-08	654917.5	1147229.6	679.1	Sediment deposit	T034-01	--	8	Sand with some fines, bank deposit
35A	T035-00	Area 2	4-1e	Phase 1	2023-11-08	654899.0	1147199.4	684.6	Top of west bank	--	--	--	Riprap on slope
35B	T035-00	Area 2	4-1e	Phase 1	2023-11-08	654905.6	1147200.6	680.3	Bottom of west bank	--	3	0	Cobbles with sand
35C	T035-00	Area 2	4-1e	Phase 1	2023-11-08	654915.5	1147200.2	678.3	Middle of creek	--	16	0	Cobbles with sand
35D	T035-00	Area 2	4-1e	Phase 1	2023-11-08	654923.8	1147200.9	680.8	Bottom of east bank	--	0	0	Cobbles with sand
35E	T035-00	Area 2	4-1e	Phase 1	2023-11-08	654933.4	1147202.6	685.4	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
36A	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654900.0	1147101.6	681.8	Top of west bank	--	--	--	--
36B	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654913.2	1147100.3	673.3	Bottom of west bank	--	1	0	Cobbles
36C	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654920.2	1147101.5	674.1	Middle of creek	--	2	0	Cobbles
36D	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654930.0	1147099.2	674.0	Bottom of east bank	--	0	0	Cobbles
36E*	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654939.0	1147100.6	--	Top of east bank	--	--	--	--
36F	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654916.5	1147081.3	674.2	Sediment deposit	T036-01	16	4	Sands with fines
36G	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654916.4	1147073.8	672.9	Sediment deposit	T036-01	12	5	Sands with fines
36H	T036-00	Area 2	4-1e	Phase 1	2023-11-08	654918.1	1147069.0	672.9	Sediment deposit	T036-01	9	6	Sands with fines
37A	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654917.2	1146999.8	679.2	Top of west bank	--	--	--	--
37B	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654921.3	1147000.3	673.4	Bottom of west bank	--	0	0	Cobbles
37C	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654931.9	1147001.3	673.6	Middle of creek	--	5	0	Cobbles
37D	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654941.0	1147003.8	673.7	Bottom of east bank	--	0	0	Cobbles
37E	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654951.7	1147006.1	679.8	Top of east bank	--	--	--	--
37F	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654950.8	1146933.9	672.6	Sediment deposit	T037-01	--	13	Sand and cobbles with debris, bank deposit
37G	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654951.0	1146931.1	676.5	Sediment deposit	T037-01	--	12	Sand and cobbles with debris, bank deposit
37H	T037-00	Area 2	4-1e	Phase 1	2023-11-08	654955.8	1146920.6	671.3	Sediment deposit	T037-01	--	8	Sand and cobbles with debris, bank deposit
38A	T038-00	Area 2	4-1f	Phase 1	2023-11-08	654948.4	1146897.8	671.2	Bottom of west bank	--	0	0	Cobbles with sand
38B	T038-00	Area 2	4-1f	Phase 1	2023-11-08	654952.6	1146898.8	670.5	Middle of creek	--	7	0	Cobbles with sand
38C	T038-00	Area 2	4-1f	Phase 1	2023-11-08	654967.0	1146901.1	676.2	Bottom of east bank	--	0	0	Cobbles with sand
38D	T038-00	Area 2	4-1f	Phase 1	2023-11-08	654974.7	1146904.8	680.5	Top of east bank	--	--	--	--
39A	T039-00	Area 2	4-1f	Phase 1	2023-11-08	654989.3	1146818.3	685.5	Top of west bank	--	--	--	--
39B	T039-00	Area 2	4-1f	Phase 1	2023-11-08	654991.8	1146828.3	678.4	Bottom of west bank	--	5	0	Cobbles
39C	T039-00	Area 2	4-1f	Phase 1	2023-11-08	654993.8	1146829.2	681.2	Middle of creek	--	5	0	Cobbles
39D	T039-00	Area 2	4-1f	Phase 1	2023-11-08	654999.5	1146835.7	677.3	Bottom of east bank	--	0	0	Cobbles
39E	T039-00	Area 2	4-1f	Phase 1	2023-11-08	655014.8	1146851.5	681.3	Top of east bank	--	--	--	--
39F	T039-00	Area 2	4-1f	Phase 1	2023-11-08	655056.3	1146808.3	674.2	Sediment deposit	T039-01	--	15	Clay and fines, aggrading bar
39G	T039-00	Area 2	4-1f	Phase 1	2023-11-08	655067.5	1146798.4	673.9	Sediment deposit	T039-01	--	10	Clay and fines, aggrading bar
39H	T039-00	Area 2	4-1f	Phase 1	2023-11-08	655108.8	1146797.1	674.9	Sediment deposit	T039-01	--	36	Clay and fines, aggrading bar
39I	T039-00	Area 2	4-1f	Phase 1	2023-11-08	655130.6	1146792.5	674.5	Sediment deposit	T039-01	--	36	Clay and fines, aggrading bar
39J	T039-00	Area 2	4-1f	Phase 1	2023-11-08	655107.1	1146790.5	672.2	Sediment deposit	T039-01	--	8	Clay and fines, aggrading bar
39K	T039-00	Area 2	4-1f	Phase 1	2023-11-08	655155.6	1146782.6	674.9	Sediment deposit	T039-01	--	36	Clay and fines, aggrading bar
40A	T040-00	Area 2	4-1f	Phase 1	2023-11-08	655073.9	1146778.1	678.1	Top of west bank	--	--	--	--
40B	T040-00	Area 2	4-1f	Phase 1	2023-11-08	655074.3	1146783.0	672.7	Bottom of west bank	--	0	0	--
40C	T040-00	Area 2	4-1f	Phase 1	2023-11-08	655077.0	1146789.2	671.8	Middle of creek	--	6	0	--
40D	T040-00	Area 2	4-1f	Phase 1	2023-11-08	655080.1	1146794.7	672.5	Bottom of east bank	--	3	0	--
40E	T040-00	Area 2	4-1f	Phase 1	2023-11-08	655085.2	1146822.2	677.6	Top of east bank	--	--	--	--
40F	T040-00	Area 2	4-1f	Phase 1	2023-11-08	655177.2	1146755.3	674.2	Sediment deposit	T040-01	--	14	Gravel with clay, aggrading bar
40G	T040-00	Area 2	4-1f	Phase 1	2023-11-08	655202.3	1146748.3	673.6	Sediment deposit	T040-01	--	10	Gravel with clay, aggrading bar
41A	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655166.4	1146737.9	676.6	Top of west bank	--	--	--	--
41B	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655176.3	1146759.4	672.6	Bottom of west bank	T040-01	0	0	Sandy gravel
41C	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655179.4	1146766.7	672.2	Middle of creek	--	2	0	Sandy gravel
41D	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655179.4	1146772.4	672.5	Bottom of east bank	--	0	0	Sandy gravel
41E	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655183.3	1146779.3	677.5	Top of east bank	--	--	--	--
41F	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655219.4	1146732.0	673.9	Sediment deposit	T041-01	--	8	Sand with gravel
41G	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655230.0	1146726.2	673.6	Sediment deposit	T041-01	--	12	Sand with gravel
41H	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655240.3	1146719.5	673.2	Sediment deposit	T041-01	--	16	Sand with gravel
41I	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655261.1	1146707.5	673.9	Sediment deposit	T041-01	--	15	Sand with gravel
41J	T041-00	Area 2	4-1f	Phase 1	2023-11-08	655278.1	1146684.6	673.6	Sediment deposit	T041-01	--	15	Sand with gravel

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
42A	T042-00	Area 2	4-1f	Phase 1	2023-11-08	655247.2	1146688.2	676.3	Top of west bank	--	--	--	--
42B	T042-00	Area 2	4-1f	Phase 1	2023-11-08	655265.1	1146710.2	672.2	Bottom of west bank	--	7	0	Cobbles
42C	T042-00	Area 2	4-1f	Phase 1	2023-11-08	655269.6	1146716.4	671.2	Middle of creek	--	7	0	Cobbles
42D	T042-00	Area 2	4-1f	Phase 1	2023-11-08	655270.2	1146726.6	672.3	Bottom of east bank	--	0	0	Cobbles
42E	T042-00	Area 2	4-1f	Phase 1	2023-11-08	655274.4	1146731.3	678.5	Top of east bank	--	--	--	--
42F* ◊	T042-00	Area 2	4-1f	Phase 1	2023-11-09	655323.5	1146661.1	--	Sediment observed (less than 50 square feet)	--	--	6	Sand
43A	T043-00	Area 2	4-1f	Phase 1	2023-11-09	655349.6	1146649.6	683.7	Top of west bank	--	--	--	--
43B	T043-00	Area 2	4-1f	Phase 1	2023-11-09	655357.3	1146648.1	677.7	Bottom of west bank	--	3	0	Cobbles with sand
43C	T043-00	Area 2	4-1f	Phase 1	2023-11-09	655360.0	1146660.9	673.1	Middle of creek	--	3	0	Cobbles with sand
43D	T043-00	Area 2	4-1f	Phase 1	2023-11-09	655357.9	1146674.1	675.6	Bottom of east bank	--	3	0	Cobbles with sand
43E	T043-00	Area 2	4-1f	Phase 1	2023-11-09	655415.7	1146635.5	674.9	Location of previous deposit (S-2-14), little sediment observed	--	--	0	--
44A	T044-00	Area 2	4-1f	Phase 1	2023-11-09	655438.4	1146612.6	679.9	Top of west bank	--	--	--	--
44B	T044-00	Area 2	4-1f	Phase 1	2023-11-09	655440.0	1146622.1	677.1	Bottom of west bank	--	0	0	Cobbles with sand
44C	T044-00	Area 2	4-1f	Phase 1	2023-11-09	655441.3	1146630.9	672.4	Middle of creek	--	2	0	Cobbles with sand
44D	T044-00	Area 2	4-1f	Phase 1	2023-11-09	655446.0	1146640.6	673.9	Bottom of east bank	--	2	0	Cobbles with sand
44E	T044-00	Area 2	4-1f	Phase 1	2023-11-09	655450.7	1146649.0	679.5	Top of east bank	--	--	--	--
45A	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655529.0	1146578.3	682.6	Top of west bank	--	--	--	--
45B	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655533.3	1146590.1	676.7	Bottom of west bank	--	0	0	Cobbles with sand
45C	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655537.0	1146598.9	677.8	Middle of creek	--	3	0	Cobbles with sand
45D	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655542.7	1146608.3	675.6	Bottom of east bank	--	0	0	Cobbles with sand
45E	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655547.5	1146615.9	681.7	Top of east bank	--	--	--	--
45F	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655587.4	1146560.2	680.1	Sediment deposit	T045-01	--	10	Clay with fines, bank deposit
45G	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655608.1	1146553.1	678.1	Sediment deposit	T045-01	--	12	Clay with fines, bank deposit
45H	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655621.3	1146547.6	676.8	Sediment deposit	T045-01	--	9	Clay with fines, bank deposit
45I	T045-00	Area 2	4-1g	Phase 1	2023-11-09	655637.9	1146540.5	676.2	Sediment deposit	T045-01	--	9	Clay with fines, bank deposit
46A	T046-00	Area 2	4-1g	Phase 1	2023-11-09	655618.1	1146536.4	679.9	Top of west bank	--	--	--	--
46B	T046-00	Area 2	4-1g	Phase 1	2023-11-09	655623.9	1146548.0	677.4	Bottom of west bank	T045-01	0	0	Cobbles with gravel
46C*	T046-00	Area 2	4-1g	Phase 1	2023-11-09	655626.5	1146557.8	--	Middle of creek	--	3	4	Cobbles with gravel
46D	T046-00	Area 2	4-1g	Phase 1	2023-11-09	655631.6	1146561.1	673.5	Bottom of east bank	--	3	4	Cobbles with gravel
46E	T046-00	Area 2	4-1g	Phase 1	2023-11-09	655632.4	1146561.5	683.2	Top of east bank	--	--	--	--
47A	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655698.3	1146477.0	681.1	Top of west bank	--	--	--	--
47B	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655703.5	1146487.5	675.1	Bottom of west bank	--	0	0	Cobbles with sand
47C	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655707.0	1146494.9	673.7	Middle of creek	--	16	0	Cobbles with sand
47D	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655710.8	1146502.5	673.7	Bottom of east bank	--	11	0	Cobbles with sand
47E	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655715.9	1146512.1	682.1	Top of east bank	--	--	--	--
47F	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655707.3	1146497.7	673.9	Sediment deposit (T47-01), poor GPS signal	T047-01Ø	16	8	Sand, channel deposit
47G	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655707.6	1146497.6	674.2	Sediment deposit (T47-01), poor GPS signal	T047-01Ø	13	7	Sand, channel deposit
47H	T047-00	Area 2	4-1g	Phase 1	2023-11-09	655721.1	1146493.0	673.9	Sediment deposit	T047-02	--	10	Sand
48A	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655785.2	1146426.8	672.8	Top of west bank	--	--	--	--
48B	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655788.0	1146436.0	669.1	Bottom of west bank	--	1	0	Cobbles with sand
48C	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655792.6	1146442.5	668.5	Middle of creek	--	6	0	Cobbles with sand
48D	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655797.8	1146451.3	669.2	Bottom of east bank	--	1	0	Cobbles with sand
48E	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655803.6	1146462.0	676.9	Top of east bank	--	--	--	--
48F	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655862.7	1146407.5	667.7	Sediment deposit	T048-01	11	9	Sand over clay, channel deposit
48G	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655874.0	1146399.6	667.3	Sediment deposit	T048-01	14	16	Sand over clay, channel deposit, sheen observed
48H	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655859.1	1146396.0	667.3	Sediment deposit	T048-01	--	7	Clay with fines channel deposit
48I	T048-00	Area 2	4-1g	Phase 1	2023-11-09	655862.7	1146395.2	667.0	Sediment deposit	T048-01	12	11	Sand over clay, channel deposit
49A	T049-00	Area 2	4-1g	Phase 1	2023-11-09	655867.1	1146382.9	672.6	Top of west bank	--	--	--	--
49B	T049-00	Area 2	4-1g	Phase 1	2023-11-09	655869.3	1146385.0	667.4	Bottom of west bank	--	3	0	Cobbles with sand
49C	T049-00	Area 2	4-1g	Phase 1	2023-11-09	655876.1	1146393.5	666.1	Middle of creek	--	17	0	Cobbles with sand
49D	T049-00	Area 2	4-1g	Phase 1	2023-11-09	655880.8	1146400.6	667.6	Bottom of east bank	--	4	0	Cobbles with sand
49E	T049-00	Area 2	4-1g	Phase 1	2023-11-09	655885.1	1146407.0	671.1	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
50A	T050-00	Area 2	4-1g	Phase 1	2023-11-20	655969.7	1146322.0	668.5	Bottom of west bank	--	--	0	--
50B	T050-00	Area 2	4-1g	Phase 1	2023-11-20	655977.6	1146331.5	669.1	Middle of creek	--	--	0	--
50C ◊	T050-00	Area 2	4-1g	Phase 1	2023-11-20	655983.7	1146342.1	670.7	Bottom of east bank	--	0	6	--
50D	T050-00	Area 2	4-1g	Phase 1	2023-11-20	655993.5	1146353.6	676.3	Top of east bank	--	--	--	--
50E	T050-00	Area 2	4-1g	Phase 1	2023-11-20	656020.6	1146293.9	668.3	Boundary of sediment deposit	T050-01	--	0	Sands with fines, bank deposit
50F	T050-00	Area 2	4-1g	Phase 1	2023-11-20	656018.1	1146290.0	668.6	Boundary of sediment deposit	T050-01	--	6	Sands with fines, wood debris, bank deposit
50G	T050-00	Area 2	4-1g	Phase 1	2023-11-20	656027.2	1146282.3	669.0	Boundary of sediment deposit	T050-01	--	0	--
51A	T051-00	Area 3	4-1g	Phase 1	2023-11-20	656111.6	1146302.7	668.3	Sediment deposit	T051-01	--	0	Fines and gravel, channel deposit
51B	T051-00	Area 3	4-1g	Phase 1	2023-11-09	656123.5	1146278.7	669.6	Sediment deposit	T051-02	--	10	Sand, aggrading bar
51C	T051-00	Area 3	4-1g	Phase 1	2023-11-09	656154.6	1146267.5	671.3	Sediment deposit	T051-02	--	10	Sand, aggrading bar
52A*	T052-00	Area 3	4-1g	Phase 1	2023-11-09	656143.2	1146266.7	--	Top of west bank	--	--	--	Concrete wall
52B	T052-00	Area 3	4-1g	Phase 1	2023-11-09	656145.2	1146280.8	667.6	Bottom of west bank	--	0	0	Concrete
52C	T052-00	Area 3	4-1g	Phase 1	2023-11-09	656147.8	1146277.2	667.6	Middle of creek, within sediment deposit	T051-02	0	11	Concrete
52D	T052-00	Area 3	4-1g	Phase 1	2023-11-09	656151.0	1146289.9	667.5	Middle of creek	--	1	0	Concrete
52E	T052-00	Area 3	4-1g	Phase 1	2023-11-09	656157.5	1146316.7	667.7	Bottom of east bank	--	1	0	Concrete
52F	T052-00	Area 3	4-1g	Phase 1	2023-11-09	656158.1	1146316.9	672.9	Top of east bank	--	--	--	Concrete wall
53A	T053-00	Area 3	4-1h	Phase 1	2023-11-09	656227.4	1146228.8	672.5	Top of west bank	--	--	--	Concrete wall
53B	T053-00	Area 3	4-1h	Phase 1	2023-11-09	656227.9	1146229.3	667.5	Bottom of west bank	--	0	0	Concrete
53C	T053-00	Area 3	4-1h	Phase 1	2023-11-09	656236.6	1146240.3	666.4	Middle of creek	--	10	0	Concrete
53D	T053-00	Area 3	4-1h	Phase 1	2023-11-09	656245.4	1146253.4	667.7	Bottom of east bank	--	0	0	Concrete
53E	T053-00	Area 3	4-1h	Phase 1	2023-11-09	656245.5	1146253.8	672.7	Top of east bank	--	--	--	Concrete wall
53F*	T053-00	Area 3	4-1h	Phase 1	2023-11-09	656310.5	1146211.3	--	Location of previous deposit (3-3), little sediment observed	--	--	4	Sand with fines
54A	T054-00	Area 3	4-1h	Phase 1	2023-11-09	656315.4	1146181.1	671.8	Top of west bank, concrete wall	--	--	--	Concrete wall
54B	T054-00	Area 3	4-1h	Phase 1	2023-11-09	656315.8	1146181.2	667.3	Bottom of west bank	--	0	0	Concrete
54C	T054-00	Area 3	4-1h	Phase 1	2023-11-09	656321.8	1146194.4	666.2	Middle of creek	--	8	0	Concrete
54D	T054-00	Area 3	4-1h	Phase 1	2023-11-09	656330.8	1146206.0	667.4	Bottom of east bank	--	0	0	Concrete
54E	T054-00	Area 3	4-1h	Phase 1	2023-11-09	656331.4	1146206.3	672.2	Top of east bank	--	--	--	Concrete wall
55A	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656405.6	1146133.6	679.9	Top of west bank	--	--	--	Concrete wall
55B	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656406.0	1146133.9	674.9	Bottom of west bank	--	6	0	Concrete
55C	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656412.5	1146145.2	673.0	Middle of creek	--	6	0	Concrete
55D	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656420.5	1146157.4	673.8	Bottom of east bank	--	6	0	Concrete
55E	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656420.7	1146157.7	678.9	Top of east bank	--	--	--	Concrete wall
55F ◊	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656418.8	1146149.0	662.1	Sediment observed (less than 50 square feet)	--	--	7	Sand, channel deposit
55G	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656423.4	1146139.1	667.0	Sediment deposit	T055-01	--	6	Sand, channel deposit
55H	T055-00	Area 3	4-1h	Phase 1	2023-11-09	656441.6	1146124.1	665.4	Sediment deposit	T055-01	--	6	Sand, channel deposit
56A	T056-00	Area 3	4-1h	Phase 1	2023-11-09	656490.5	1146086.4	673.9	Top of west bank	--	--	--	Concrete wall
56B	T056-00	Area 3	4-1h	Phase 1	2023-11-09	656490.8	1146086.1	668.6	Bottom of west bank	--	5	0	Concrete
56C	T056-00	Area 3	4-1h	Phase 1	2023-11-09	656496.5	1146099.0	667.8	Middle of creek	--	5	0	Concrete
56D	T056-00	Area 3	4-1h	Phase 1	2023-11-09	656501.7	1146112.7	667.8	Bottom of east bank	--	0	0	Concrete
56E	T056-00	Area 3	4-1h	Phase 1	2023-11-09	656502.7	1146112.7	672.7	Top of east bank	--	--	--	Concrete wall
57A	T057-00	Area 3	4-1h	Phase 1	2023-11-10	656593.7	1146084.2	670.2	Bottom of west bank	--	0	0	Concrete
57B	T057-00	Area 3	4-1h	Phase 1	2023-11-10	656592.2	1146101.8	669.0	Middle of creek	--	2	0	Concrete
57C	T057-00	Area 3	4-1h	Phase 1	2023-11-10	656588.2	1146122.5	671.1	Bottom of east bank	--	0	4	Concrete
58A	T058-00	Area 3	4-1h	Phase 1	2023-11-10	656635.2	1146026.7	665.4	Bottom of west bank	--	0	0	Concrete
58B	T058-00	Area 3	4-1h	Phase 1	2023-11-10	656647.1	1146029.9	665.2	Middle of creek	--	0	0	Concrete
58C	T058-00	Area 3	4-1h	Phase 1	2023-11-10	656663.3	1146034.8	666.5	Bottom of east bank	--	0	0	Concrete
59A	T059-00	Area 3	4-1h	Phase 1	2023-11-10	656655.6	1145925.1	664.9	Bottom of west bank	--	0	0	Concrete
59B	T059-00	Area 3	4-1h	Phase 1	2023-11-10	656669.7	1145927.6	663.9	Middle of creek	--	4	0	Concrete
59C	T059-00	Area 3	4-1h	Phase 1	2023-11-10	656684.1	1145932.0	664.9	Bottom of east bank	--	0	0	Concrete
60A	T060-00	Area 3	4-1h	Phase 1	2023-11-10	656674.8	1145828.6	664.1	Bottom of west bank	--	0	0	Concrete
60B	T060-00	Area 3	4-1h	Phase 1	2023-11-10	656689.7	1145830.5	662.8	Middle of creek	--	9	3	--
60C	T060-00	Area 3	4-1h	Phase 1	2023-11-10	656703.9	1145832.2	664.4	Bottom of east bank	--	0	0	Concrete

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
61A*	T061-00	Area 3	4-1i	Phase 1	2023-11-10	656683.5	1145729.3	--	Bottom of west bank	--	--	0	Concrete
61B	T061-00	Area 3	4-1i	Phase 1	2023-11-09	656707.3	1145737.3	663.1	Middle of creek	--	1	0	Concrete
61C	T061-00	Area 3	4-1i	Phase 1	2023-11-10	656722.5	1145737.1	663.7	Bottom of east bank	--	0	0	Concrete
62A	T062-00	Area 3	4-1i	Phase 1	2023-11-10	656716.6	1145631.0	663.1	Bottom of west bank	--	0	0	Concrete
62B	T062-00	Area 3	4-1i	Phase 1	2023-11-10	656729.2	1145633.2	662.5	Middle of creek	--	3	0	Concrete
62C	T062-00	Area 3	4-1i	Phase 1	2023-11-10	656742.8	1145635.7	663.3	Bottom of east bank	--	0	0	Concrete
63A	T063-00	Area 3	4-1i	Phase 1	2023-11-10	656739.6	1145537.4	663.1	Bottom of west bank	--	0	0	Concrete
63B	T063-00	Area 3	4-1i	Phase 1	2023-11-10	656752.9	1145540.8	661.7	Middle of creek	--	4	3	Sandy gravel over concrete
63C	T063-00	Area 3	4-1i	Phase 1	2023-11-10	656765.4	1145542.8	663.0	Bottom of east bank	--	0	0	Concrete
63D	T063-00	Area 3	4-1i	Phase 1	2023-11-10	656756.8	1145528.3	662.1	Sediment observed (less than 50 square feet)	--	--	4	Sand with gravel over concrete, channel deposit
64A	T064-00	Area 3	4-1i	Phase 1	2023-11-10	656764.1	1145436.9	662.8	Bottom of west bank	--	0	0	Concrete
64B	T064-00	Area 3	4-1i	Phase 1	2023-11-10	656776.7	1145439.7	661.7	Middle of creek	--	3	3	Sand with gravel over concrete
64C	T064-00	Area 3	4-1i	Phase 1	2023-11-10	656789.3	1145442.5	662.8	Bottom of east bank	--	0	0	Concrete
64D	T064-00	Area 3	4-1i	Phase 1	2023-11-10	656780.0	1145429.3	661.7	Sediment deposit	T064-01Ø	--	5	Sand with gravel over concrete, channel deposit
64E	T064-00	Area 3	4-1i	Phase 1	2023-11-10	656794.4	1145368.9	661.4	Sediment deposit	T064-02Ø	2	5	Sand with gravel over concrete, channel deposit
64F	T064-00	Area 3	4-1i	Phase 1	2023-11-10	656808.0	1145324.1	661.4	Sediment deposit	T064-02Ø	2	4	Sand with gravel over concrete, channel deposit
64G	T064-00	Area 3	4-1i	Phase 1	2023-11-10	656814.3	1145293.3	661.7	Sediment deposit	T064-02Ø	0	7	Sand with gravel over concrete, channel deposit
66A*	T066-00	Area 3	4-1i	Phase 1	2023-11-10	656812.7	1145227.8	--	Bottom of west bank	--	0	0	Concrete
66B	T066-00	Area 3	4-1i	Phase 1	2023-11-10	656824.2	1145232.7	661.1	Middle of creek	--	2	0	Concrete
66C	T066-00	Area 3	4-1i	Phase 1	2023-11-10	656837.4	1145235.5	661.1	Bottom of east bank	--	2	0	Concrete
67A	T067-00	Area 3	4-1i	Phase 1	2023-11-10	656831.3	1145143.9	660.9	Bottom of west bank	--	0	0	Concrete
67B	T067-00	Area 3	4-1i	Phase 1	2023-11-10	656841.8	1145146.7	660.6	Middle of creek	--	3	0	Concrete
67C	T067-00	Area 3	4-1i	Phase 1	2023-11-10	656857.1	1145150.1	660.8	Bottom of east bank	--	--	0	Concrete
68A	T068-00	Area 3	4-1j	Phase 1	2023-11-20	656853.7	1145048.2	660.6	Bottom of west bank	--	5	0	Concrete
68B*	T068-00	Area 3	4-1j	Phase 1	2023-11-20	656863.2	1145051.3	--	Middle of creek	--	5	0	Concrete
68C*	T068-00	Area 3	4-1j	Phase 1	2023-11-20	656869.7	1145052.8	--	Bottom of east bank	--	5	0	Concrete
69A*	T069-00	Area 3	4-1j	Phase 1	2023-11-21	656861.7	1144953.8	--	Bottom of west bank, under bridge	--	0	0	Concrete
69B*	T069-00	Area 3	4-1j	Phase 1	2023-11-21	656873.7	1144953.8	--	Middle of creek, under bridge	--	4	0	Concrete
69C*	T069-00	Area 3	4-1j	Phase 1	2023-11-21	656887.3	1144951.6	--	Bottom of east bank, under bridge	--	0	0	Concrete
70A	T070-00	Area 3	4-1j	Phase 1	2023-11-20	656865.3	1144851.4	658.9	Bottom of west bank	--	0	0	Concrete
70B*	T070-00	Area 3	4-1j	Phase 1	2023-11-20	656878.9	1144854.5	--	Middle of creek	--	1	0	Concrete
70C	T070-00	Area 4	4-1j	Phase 1	2023-11-20	656896.2	1144854.3	658.7	Bottom of east bank	--	0	0	Concrete
71A*	T071-00	Area 4	4-1j	Phase 1	2023-11-20	656881.4	1144749.1	--	Top of west bank	--	--	--	--
71B	T071-00	Area 4	4-1j	Phase 1	2023-11-20	656893.6	1144753.2	654.0	Bottom of west bank	--	--	0	Cobbles
71C	T071-00	Area 3	4-1j	Phase 1	2023-11-20	656900.9	1144755.0	654.1	Middle of creek	--	--	0	Cobbles
71D	T071-00	Area 4	4-1j	Phase 1	2023-11-20	656915.8	1144760.1	661.6	Bottom of east bank	--	--	0	Cobbles
71E	T071-00	Area 4	4-1j	Phase 1	2023-11-20	656931.8	1144769.7	668.1	Top of east bank	--	--	--	--
72A	T072-00	Area 4	4-1j	Phase 1	2023-11-20	656921.8	1144655.6	652.0	Bottom of west bank	--	0	3	Cobbles
72B	T072-00	Area 4	4-1j	Phase 1	2023-11-21	656934.5	1144657.1	652.0	Middle of creek	--	4	0	Cobbles
72C	T072-00	Area 4	4-1j	Phase 1	2023-11-20	656943.8	1144659.3	651.7	Bottom of east bank	--	0	3	Cobbles
72D	T072-00	Area 4	4-1j	Phase 1	2023-11-20	656960.0	1144667.4	658.7	Top of east bank	--	--	--	--
73A	T073-00	Area 4	4-1j	Phase 1	2023-11-20	656947.7	1144553.4	657.4	Bottom of west bank	--	0	3	Cobbles with sand and gravel
73B	T073-00	Area 4	4-1j	Phase 1	2023-11-20	656956.6	1144561.2	655.2	Middle of creek	--	15	3	Cobbles with sand and gravel
73C	T073-00	Area 4	4-1j	Phase 1	2023-11-20	656970.4	1144562.8	655.9	Bottom of east bank	--	0	0	Cobbles with sand and gravel
74A	T074-00	Area 4	4-1j	Phase 1	2023-11-20	656968.9	1144457.8	651.1	Bottom of west bank	--	3	0	Cobbles with sand and gravel
74B	T074-00	Area 4	4-1j	Phase 1	2023-11-20	656979.9	1144460.2	647.9	Middle of creek	--	3	0	Cobbles with sand and gravel
74C	T074-00	Area 4	4-1j	Phase 1	2023-11-21	656992.8	1144462.5	657.1	Bottom of east bank	--	0	0	Cobbles with sand and gravel
75A	T075-00	Area 4	4-1k	Phase 1	2023-11-20	656986.6	1144366.4	654.4	Bottom of west bank	--	0	0	Bedrock
75B	T075-00	Area 4	4-1k	Phase 1	2023-11-20	656995.4	1144366.9	654.5	Middle of creek	--	3	0	Bedrock
75C	T075-00	Area 4	4-1k	Phase 1	2023-11-20	657007.1	1144365.1	653.1	Bottom of east bank	--	0	0	Bedrock
75D	T075-00	Area 4	4-1k	Phase 1	2023-11-20	657023.3	1144378.7	652.3	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
76A	T076-00	Area 4	4-1k	Phase 1	2023-11-20	657002.2	1144267.1	647.8	Bottom of west bank	--	0	2	Cobbles with sand and gravel
76B	T076-00	Area 4	4-1k	Phase 1	2023-11-20	657016.3	1144266.8	655.9	Middle of creek	--	7	0	Cobbles with sand and gravel
76C	T076-00	Area 4	4-1k	Phase 1	2023-11-20	657023.9	1144265.5	652.5	Bottom of east bank	--	0	0	Cobbles with sand and gravel
76D	T076-00	Area 4	4-1k	Phase 1	2023-11-21	657039.2	1144262.7	659.2	Top of east bank	--	--	--	--
76E	T076-00	Area 4	4-1k	Phase 1	2023-11-20	657005.9	1144250.6	651.2	Sediment deposit	T076-01	--	12	Fines, bank deposit
77A	T077-00	Area 4	4-1k	Phase 1	2023-11-20	657020.8	1144162.8	654.5	Bottom of west bank	--	0	1	Cobbles with sand and gravel
77B	T077-00	Area 4	4-1k	Phase 1	2023-11-20	657030.0	1144166.2	651.2	Middle of creek	--	9	0	Cobbles with sand and gravel
77C	T077-00	Area 4	4-1k	Phase 1	2023-11-20	657038.4	1144166.9	651.7	Bottom of east bank	--	0	0	Cobbles with sand and gravel
78A	T078-00	Area 4	4-1k	Phase 1	2023-11-20	657031.8	1144072.5	648.6	Bottom of west bank	--	0	0	Cobbles with sand and gravel
78B	T078-00	Area 4	4-1k	Phase 1	2023-11-20	657038.0	1144074.2	649.6	Middle of creek	--	8	0	Cobbles with sand and gravel
79A	T079-00	Area 4	4-1k	Phase 1	2023-11-20	657042.1	1143965.9	652.5	Bottom of west bank	--	0	0	Cobbles with sand and gravel
79B	T079-00	Area 4	4-1k	Phase 1	2023-11-20	657054.0	1143966.4	653.3	Middle of creek	--	3	0	Cobbles with sand and gravel
79C	T079-00	Area 4	4-1k	Phase 1	2023-11-20	657060.2	1143966.3	653.1	Bottom of east bank	--	0	0	Cobbles with sand and gravel
80A	T080-00	Area 4	4-1k	Phase 1	2023-11-20	657055.4	1143869.8	647.1	Bottom of west bank	--	0	0	Cobbles with sand and gravel
80B	T080-00	Area 4	4-1k	Phase 1	2023-11-20	657065.1	1143869.1	646.3	Middle of creek	--	7	1	Cobbles with sand and gravel
80C ◊	T080-00	Area 4	4-1k	Phase 1	2023-11-20	657075.6	1143870.0	648.1	Bottom of east bank	--	0	7	Cobbles with sand and gravel
81A	T081-00	Area 4	4-1k	Phase 1	2023-11-20	657074.7	1143765.5	655.7	Bottom of west bank	--	0	0	Cobbles with sand and gravel
81B	T081-00	Area 4	4-1k	Phase 1	2023-11-20	657085.0	1143771.6	654.1	Middle of creek	--	10	0	Cobbles with sand and gravel
81C	T081-00	Area 4	4-1k	Phase 1	2023-11-20	657098.4	1143774.2	657.7	Bottom of east bank	--	0	3	Cobbles with sand and gravel
82A	T082-00	Area 4	4-1l	Phase 1	2023-11-21	657094.5	1143673.6	650.3	Bottom of west bank	--	0	0	Cobbles with sand and gravel
82B	T082-00	Area 4	4-1l	Phase 1	2023-11-20	657102.2	1143673.8	648.3	Middle of creek	--	20	2	Cobbles with sand and gravel, sheen observed
82C	T082-00	Area 4	4-1l	Phase 1	2023-11-20	657112.3	1143673.8	649.1	Bottom of east bank	--	5	0	Cobbles with sand and gravel
82D	T082-00	Area 4	4-1l	Phase 1	2023-11-21	657124.2	1143682.9	656.6	Top of east bank	--	--	--	--
83A	T083-00	Area 4	4-1l	Phase 1	2023-11-20	657109.9	1143573.7	648.9	Bottom of west bank	--	0	0	Cobbles with sand and gravel
83B	T083-00	Area 4	4-1l	Phase 1	2023-11-20	657118.6	1143575.4	644.5	Middle of creek	--	26	1	Cobbles with sand and gravel
83C	T083-00	Area 4	4-1l	Phase 1	2023-11-20	657130.0	1143578.8	648.1	Bottom of east bank	--	4	0	Cobbles with sand and gravel
83D*	T083-00	Area 4	4-1l	Phase 1	2023-11-20	657140.6	1143575.7	--	Top of east bank	--	--	--	--
84A	T084-00	Area 4	4-1l	Phase 1	2023-11-21	657114.6	1143474.5	658.8	Top of west bank	--	--	--	Railroad embankment
84B	T084-00	Area 4	4-1l	Phase 1	2023-11-21	657126.2	1143476.5	649.1	Bottom of west bank	--	0	0	Cobbles with sand
84C	T084-00	Area 4	4-1l	Phase 1	2023-11-21	657138.0	1143479.5	647.5	Middle of creek	--	13	2	Cobbles with sand
84D	T084-00	Area 4	4-1l	Phase 1	2023-11-21	657147.1	1143480.4	648.7	Bottom of east bank	--	11	0	Cobbles with sand
85A	T085-00	Area 4	4-1l	Phase 1	2023-11-21	657128.6	1143378.3	658.1	Top of west bank	--	--	--	--
85B	T085-00	Area 4	4-1l	Phase 1	2023-11-21	657148.2	1143378.6	647.2	Bottom of west bank	--	10	0	Cobbles with sand
85C	T085-00	Area 4	4-1l	Phase 1	2023-11-21	657156.6	1143378.6	647.2	Middle of creek	--	21	0	Cobbles with sand
85D	T085-00	Area 4	4-1l	Phase 1	2023-11-21	657164.4	1143377.4	648.4	Bottom of east bank	--	3	0	Cobbles with sand
85E	T085-00	Area 4	4-1l	Phase 1	2023-11-21	657178.0	1143373.4	651.5	Top of east bank, sloped concrete on entire bank	--	--	--	--
86A	T086-00	Area 4	4-1l	Phase 1	2023-11-21	657149.0	1143279.3	657.6	Top of west bank	--	--	--	Railroad embankment
86B	T086-00	Area 4	4-1l	Phase 1	2023-11-21	657168.4	1143288.6	645.4	Bottom of west bank	--	3	1	Cobbles with sand
86C	T086-00	Area 4	4-1l	Phase 1	2023-11-21	657177.9	1143290.9	646.8	Middle of creek	--	13	1	Cobbles with sand
86D	T086-00	Area 4	4-1l	Phase 1	2023-11-21	657185.6	1143293.5	645.4	Bottom of east bank, sloped concrete on entire bank	--	7	--	Cobbles with sand
87A	T087-00	Area 4	4-1l	Phase 1	2023-11-21	657168.1	1143180.8	656.9	Top of west bank	--	--	--	--
87B	T087-00	Area 4	4-1l	Phase 1	2023-11-21	657192.2	1143172.3	646.4	Bottom of west bank	--	22	3	Cobbles with sand
87C	T087-00	Area 4	4-1l	Phase 1	2023-11-21	657200.9	1143174.5	645.0	Middle of creek	--	23	1	Cobbles with sand
87D	T087-00	Area 4	4-1l	Phase 1	2023-11-21	657207.7	1143174.0	646.5	Top of east bank, sloped concrete on entire bank	--	--	--	--
87E ◊	T087-00	Area 4	4-1l	Phase 1	2023-11-21	657211.0	1143126.8	643.7	Sediment observed (less than 50 square feet)	--	--	9	--
88A	T088-00	Area 4	4-1l	Phase 1	2023-11-21	657187.1	1143082.2	656.5	Top of west bank	--	--	--	Railroad embankment
88B	T088-00	Area 4	4-1l	Phase 1	2023-11-21	657203.8	1143087.0	646.1	Bottom of west bank	--	12	2	Cobbles with sand
88C	T088-00	Area 4	4-1l	Phase 1	2023-11-21	657212.4	1143087.0	644.6	Middle of creek	--	22	2	Cobbles with sand
88D	T088-00	Area 4	4-1l	Phase 1	2023-11-21	657220.0	1143087.5	644.6	Bottom of east bank, sloped concrete on entire bank	--	33	0	Cobbles with sand

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
89A	T089-00	Area 4	4-1l	Phase 1	2023-11-21	657206.5	1142986.7	655.7	Top of west bank	--	--	--	Railroad embankment
89B	T089-00	Area 4	4-1l	Phase 1	2023-11-21	657221.3	1142992.8	646.5	Bottom of west bank	--	0	0	Cobbles with sand
89C	T089-00	Area 4	4-1l	Phase 1	2023-11-21	657227.7	1142992.4	644.7	Middle of creek	--	22	0	Cobbles with sand
89D	T089-00	Area 4	4-1l	Phase 1	2023-11-21	657234.1	1142993.9	645.4	Bottom of east bank, sloped concrete on entire bank	--	21	0	Cobbles with sand
90A	T090-00	Area 4	4-1m	Phase 1	2023-11-21	657226.1	1142885.8	655.5	Top of west bank	--	--	--	Railroad embankment
90B	T090-00	Area 4	4-1m	Phase 1	2023-11-21	657242.1	1142889.0	646.4	Bottom of west bank	--	7	0	Cobbles with sand
90C	T090-00	Area 4	4-1m	Phase 1	2023-11-21	657250.0	1142889.9	647.6	Middle of creek	--	31	0	Cobbles with sand
90D	T090-00	Area 4	4-1m	Phase 1	2023-11-21	657254.5	1142891.5	644.4	Bottom of east bank, sloped concrete on entire bank	--	24	0	Cobbles with sand
91A	T091-00	Area 4	4-1m	Phase 1	2023-11-21	657244.7	1142786.3	654.9	Top of west bank	--	--	--	Railroad embankment
91B	T091-00	Area 4	4-1m	Phase 1	2023-11-21	657272.4	1142794.1	643.7	Middle of creek	--	33	1	Cobbles with sand
91C	T091-00	Area 4	4-1m	Phase 1	2023-11-21	657279.3	1142795.6	644.4	Bottom of east bank, sloped concrete on entire bank	--	24	0	Cobbles with sand
92A	T092-00	Area 4	4-1m	Phase 1	2023-11-21	657266.0	1142685.2	654.2	Top of west bank	--	--	--	Railroad embankment
92B	T092-00	Area 4	4-1m	Phase 1	2023-11-21	657280.2	1142698.4	645.8	Bottom of west bank	--	5	0	Cobbles with sand
92C	T092-00	Area 4	4-1m	Phase 1	2023-11-21	657291.0	1142698.4	644.6	Middle of creek	--	18	1	Cobbles with sand
92D	T092-00	Area 4	4-1m	Phase 1	2023-11-21	657299.9	1142701.3	646.4	Bottom of east bank, sloped concrete on entire bank	--	0	0	Cobbles with sand
93A	T093-00	Area 4	4-1m	Phase 1	2023-11-20	657288.3	1142590.5	653.3	Top of west bank	--	--	--	Railroad embankment
93B	T093-00	Area 4	4-1m	Phase 1	2023-11-20	657300.0	1142594.0	646.1	Bottom of west bank	--	0	0	Cobbles with sand
93C	T093-00	Area 4	4-1m	Phase 1	2023-11-20	657311.8	1142595.4	644.0	Middle of creek	--	22	1	Cobbles with sand
94A	T094-00	Area 4	4-1m	Phase 1	2023-11-20	657307.3	1142492.3	650.8	Top of west bank	--	--	--	Railroad embankment
94B	T094-00	Area 4	4-1m	Phase 1	2023-11-20	657326.4	1142500.1	646.2	Bottom of west bank	--	0	0	Cobbles with sand
94C	T094-00	Area 4	4-1m	Phase 1	2023-11-20	657337.8	1142496.3	645.6	Middle of creek	--	4	0	Cobbles with sand
94D	T094-00	Area 4	4-1m	Phase 1	2023-11-20	657348.6	1142503.5	650.2	Bottom of east bank	--	0	0	Cobbles with sand
94E ◊	T094-00	Area 4	4-1m	Phase 1	2023-11-20	657339.9	1142465.3	644.0	Sediment observed (less than 50 square feet)	--	--	6	Sand and gravel, channel deposit, sheen observed
95A	T095-00	Area 4	4-1m	Phase 1	2023-11-20	657321.0	1142397.5	654.2	Top of west bank	--	--	--	Railroad embankment
95B	T095-00	Area 4	4-1m	Phase 1	2023-11-20	657342.1	1142397.7	643.9	Bottom of west bank	--	0	0	Cobbles with sand
95C	T095-00	Area 4	4-1m	Phase 1	2023-11-20	657351.9	1142400.5	643.3	Middle of creek	--	4	1	Cobbles with sand
95D	T095-00	Area 4	4-1m	Phase 1	2023-11-20	657364.7	1142402.7	644.3	Bottom of east bank	--	0	0	Cobbles with sand
96A	T096-00	Area 4	4-1m	Phase 1	2023-11-20	657342.5	1142304.7	647.6	Top of west bank	--	--	--	Railroad embankment
96B	T096-00	Area 4	4-1m	Phase 1	2023-11-20	657364.9	1142307.3	644.5	Bottom of west bank	--	0	0	Cobbles with sand
96C	T096-00	Area 4	4-1m	Phase 1	2023-11-20	657372.5	1142303.5	644.3	Middle of creek	--	11	0	Cobbles with sand
96D	T096-00	Area 4	4-1m	Phase 1	2023-11-20	657380.8	1142308.1	645.1	Bottom of east bank	--	0	0	Cobbles with sand
97A	T097-00	Area 4	4-1n	Phase 1	2023-11-20	657354.0	1142195.1	653.0	Top of west bank	--	--	--	Railroad embankment
97B	T097-00	Area 4	4-1n	Phase 1	2023-11-20	657368.9	1142194.0	644.4	Bottom of west bank	--	0	0	Cobbles with sand
97C	T097-00	Area 4	4-1n	Phase 1	2023-11-20	657378.0	1142194.6	642.4	Middle of creek	--	16	2	Cobbles with sand
97D	T097-00	Area 4	4-1n	Phase 1	2023-11-20	657392.1	1142197.3	643.5	Bottom of east bank	--	--	0	Cobbles with sand
98A	T098-00	Area 4	4-1n	Phase 1	2023-11-20	657359.2	1142106.5	652.1	Top of west bank	--	--	--	Railroad embankment
98B	T098-00	Area 4	4-1n	Phase 1	2023-11-20	657372.2	1142100.8	644.1	Bottom of west bank	--	0	0	Cobbles with sand
98C	T098-00	Area 4	4-1n	Phase 1	2023-11-20	657386.3	1142101.3	641.2	Middle of creek	--	6	2	Cobbles with sand
98D	T098-00	Area 4	4-1n	Phase 1	2023-11-20	657399.2	1142103.9	642.7	Bottom of east bank	--	0	0	Cobbles with sand
99A	T099-00	Area 4	4-1n	Phase 1	2023-11-20	657382.9	1142016.9	634.4	Bottom of west bank	--	0	0	Cobbles with sand
99B	T099-00	Area 4	4-1n	Phase 1	2023-11-20	657394.8	1142018.7	635.9	Middle of creek	--	9	0	Cobbles with sand
99C	T099-00	Area 4	4-1n	Phase 1	2023-11-20	657417.1	1142020.2	646.9	Bottom of east bank	--	0	0	Cobbles with sand
99D	T099-00	Area 4	4-1n	Phase 1	2023-11-20	657433.5	1142019.1	656.5	Top of east bank	--	--	--	--
100A	T100-00	Area 4	4-1n	Phase 1	2023-11-20	657394.2	1141912.4	644.4	Top of west bank	--	--	--	--
100B	T100-00	Area 4	4-1n	Phase 1	2023-11-20	657400.1	1141906.6	644.0	Bottom of west bank	--	0	0	Cobbles with sand
100C	T100-00	Area 4	4-1n	Phase 1	2023-11-20	657416.2	1141907.4	642.9	Middle of creek	--	6	0	Cobbles with sand
100D	T100-00	Area 4	4-1n	Phase 1	2023-11-20	657433.5	1141908.7	644.6	Bottom of east bank	--	0	0	Cobbles with sand
100E	T100-00	Area 4	4-1n	Phase 1	2023-11-20	657446.4	1141923.1	651.2	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
101A	T101-00	Area 4	4-1n	Phase 1	2023-11-10	657431.3	1141805.0	648.1	Bottom of west bank	--	0	0	Cobbles with sand
101B	T101-00	Area 4	4-1n	Phase 1	2023-11-10	657437.3	1141809.0	644.3	Middle of creek	--	7	0	Cobbles with sand , sheen observed
101C	T101-00	Area 4	4-1n	Phase 1	2023-11-10	657446.0	1141811.5	646.0	Bottom of east bank	--	0	0	Cobbles with sand
101D	T101-00	Area 4	4-1n	Phase 1	2023-11-10	657461.1	1141820.1	649.4	Top of east bank	--	--	--	--
101E	T101-00	Area 4	4-1n	Phase 1	2023-11-10	657490.6	1141744.9	642.4	Sediment deposit	T101-01	--	15	Sand with gravel, bank deposit
101F	T101-00	Area 4	4-1n	Phase 1	2023-11-10	657497.6	1141736.4	641.1	Sediment deposit	T101-01	--	10	Sand with gravel, bank deposit
101G	T101-00	Area 4	4-1n	Phase 1	2023-11-10	657507.4	1141723.3	640.4	Sediment deposit	T101-01	--	5	Sand with gravel, bank deposit
102A	T102-00	Area 4	4-1n	Phase 1	2023-11-10	657495.1	1141735.2	643.2	Bottom of west bank	T101-01	0	6	Sand with gravel
102B	T102-00	Area 4	4-1n	Phase 1	2023-11-10	657507.0	1141742.9	639.0	Middle of creek	--	22	4	Sand with gravel
102C	T102-00	Area 4	4-1n	Phase 1	2023-11-10	657515.0	1141748.2	641.2	Bottom of east bank	--	22	4	Sand with gravel
102D	T102-00	Area 4	4-1n	Phase 1	2023-11-10	657529.6	1141752.6	645.4	Top of east bank	--	--	--	Railroad embankment
103A	T103-00	Area 4	4-1n	Phase 1	2023-11-20	657525.2	1141643.6	639.2	Bottom of west bank	--	10	0	--
103B	T103-00	Area 4	4-1n	Phase 1	2023-11-20	657536.9	1141643.6	637.9	Middle of creek	--	28	0	--
103C	T103-00	Area 4	4-1n	Phase 1	2023-11-20	657547.8	1141643.1	640.9	Bottom of east bank	--	--	0	--
103D	T103-00	Area 4	4-1n	Phase 1	2023-11-20	657559.3	1141648.8	651.3	Top of east bank	--	--	--	Railroad embankment
104A	T104-00	Area 4	4-1o	Phase 1	2023-11-20	657533.4	1141543.3	640.5	Bottom of west bank	--	--	0	--
104B	T104-00	Area 4	4-1o	Phase 1	2023-11-20	657541.3	1141547.2	638.3	Middle of creek	--	25	0	--
104C	T104-00	Area 4	4-1o	Phase 1	2023-11-20	657551.7	1141543.7	640.3	Bottom of east bank	--	2	0	--
104D	T104-00	Area 4	4-1o	Phase 1	2023-11-20	657568.0	1141550.3	651.1	Top of east bank	--	--	--	Railroad embankment
105A	T105-00	Area 4	4-1o	Phase 1	2023-11-20	657536.3	1141444.9	639.0	Bottom of west bank	--	7	0	Cobbles and sand
105B	T105-00	Area 4	4-1o	Phase 1	2023-11-20	657548.6	1141449.5	639.8	Middle of creek	--	14	0	Sand and gravel
105C	T105-00	Area 4	4-1o	Phase 1	2023-11-20	657562.9	1141441.7	640.4	Bottom of east bank	--	--	0	Cobbles and sand
105D	T105-00	Area 4	4-1o	Phase 1	2023-11-20	657571.4	1141446.0	649.3	Top of east bank	--	--	--	Railroad embankment
106A	T106-00	Area 4	4-1o	Phase 1	2023-11-10	657542.9	1141353.4	636.9	Bottom of west bank	--	5	0	Sand with gravel and cobbles
106B	T106-00	Area 4	4-1o	Phase 1	2023-11-10	657549.0	1141348.3	637.1	Middle of creek	--	19	2	Sand with gravel and cobbles , sheen observed
106C	T106-00	Area 4	4-1o	Phase 1	2023-11-10	657567.4	1141353.5	637.2	Bottom of east bank	--	7	0	Sand with gravel and cobbles
107A ◊	T107-00	Area 4	4-1o	Phase 1	2023-11-10	657537.6	1141245.4	640.2	Bottom of west bank	--	0	7	Cobbles with sand
107B	T107-00	Area 4	4-1o	Phase 1	2023-11-10	657556.6	1141249.8	639.1	Middle of creek	--	11	3	Cobbles with sand
107C	T107-00	Area 4	4-1o	Phase 1	2023-11-10	657573.7	1141251.3	639.8	Bottom of east bank	--	3	4	Cobbles with sand
107D	T107-00	Area 4	4-1o	Phase 1	2023-11-10	657571.2	1141185.7	641.1	Sediment deposit	T107-01	--	13	Silty sand, bank deposit
107E	T107-00	Area 4	4-1o	Phase 1	2023-11-10	657565.7	1141145.2	640.1	Sediment deposit	T107-01	--	11	Silty sand, bank deposit
108A	T108-00	Area 4	4-1o	Phase 1	2023-11-10	657539.6	1141150.8	638.9	Bottom of west bank	--	5	0	Cobbles with sand
108B	T108-00	Area 4	4-1o	Phase 1	2023-11-10	657553.8	1141153.5	638.6	Middle of creek	--	5	0	Cobbles with sand, sheen observed
108C	T108-00	Area 4	4-1o	Phase 1	2023-11-10	657562.0	1141152.6	639.3	Bottom of east bank	--	0	0	Cobbles with sand
109A	T109-00	Area 4	4-1o	Phase 1	2023-11-10	657543.0	1141046.3	632.8	Bottom of west bank	--	7	0	Sands over hard clay
109B	T109-00	Area 4	4-1o	Phase 1	2023-11-10	657568.6	1141047.4	639.0	Bottom of east bank	--	0	0	Sands over hard clay
109C	T109-00	Area 4	4-1o	Phase 1	2023-11-10	657554.2	1141047.2	637.1	Middle of creek	--	12	3	Sands over hard clay, sheen observed
109D	T109-00	Area 4	4-1o	Phase 1	2023-11-10	657545.5	1140975.0	637.5	Sediment deposit	T109-01	12	7	Fines and clay, bank deposit
110A	T110-00	Area 5A	4-1o	Phase 1	2023-11-10	657524.2	1140945.8	648.8	Top of west bank	--	--	--	--
110B	T110-00	Area 5A	4-1o	Phase 1	2023-11-10	657543.7	1140948.4	638.9	Bottom of west bank	--	0	1	Fines over cobbles
110C	T110-00	Area 5A	4-1o	Phase 1	2023-11-10	657557.1	1140949.0	637.6	Middle of creek	--	27	4	Fines over cobbles , sheen observed
110D	T110-00	Area 5A	4-1o	Phase 1	2023-11-10	657573.9	1140946.5	640.0	Bottom of east bank	--	8	0	Fines over cobbles , sheen observed
111A	T111-00	Area 5A	4-1p	Phase 1	2023-11-10	657531.4	1140846.4	650.1	Top of west bank	--	--	--	--
111B	T111-00	Area 5A	4-1p	Phase 1	2023-11-10	657541.2	1140847.3	646.8	Bottom of west bank	--	--	0	Cobbles
111C	T111-00	Area 5A	4-1p	Phase 1	2023-11-10	657553.0	1140848.0	643.8	Middle of creek	--	3	0	Cobbles
111D	T111-00	Area 5A	4-1p	Phase 1	2023-11-10	657568.4	1140847.1	639.7	Bottom of east bank	--	3	0	Cobbles
112A	T112-00	Area 5A	4-1p	Phase 1	2023-11-10	657555.2	1140747.0	639.0	Bottom of west bank	--	0	0	Cobbles with sand
112B ◊	T112-00	Area 5A	4-1p	Phase 1	2023-11-10	657565.1	1140745.7	637.1	Middle of creek	--	9	7	Cobbles with sand
112C ◊	T112-00	Area 5A	4-1p	Phase 1	2023-11-10	657573.7	1140747.4	636.5	Bottom of east bank	--	9	7	Cobbles with sand
113A	T113-00	Area 5A	4-1p	Phase 1	2023-11-10	657540.9	1140652.3	640.9	Bottom of west bank	--	1	0	Cobbles with sand
113B	T113-00	Area 5A	4-1p	Phase 1	2023-11-10	657552.8	1140646.9	634.2	Middle of creek	--	9	3	Cobbles with sand
113C	T113-00	Area 5A	4-1p	Phase 1	2023-11-10	657563.9	1140644.4	637.1	Bottom of east bank	--	9	3	Cobbles with sand

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
114A	T114-00	Area 5A	4-1p	Phase 1	2023-11-13	657506.7	1140554.7	645.3	Top of west bank	--	--	--	--
114B	T114-00	Area 5A	4-1p	Phase 1	2023-11-13	657528.6	1140549.9	639.5	Bottom of west bank	--	0	0	Cobbles with sand and gravel, sheen observed
114C	T114-00	Area 5A	4-1p	Phase 1	2023-11-13	657542.2	1140547.7	639.6	Middle of creek	--	6	5	Cobbles with sand and gravel, sheen observed
114D	T114-00	Area 5A	4-1p	Phase 1	2023-11-13	657554.4	1140547.2	638.6	Bottom of east bank	--	0	0	Cobbles with sand and gravel, sheen observed
115A	T115-00	Area 5A	4-1p	Phase 1	2023-11-13	657492.3	1140467.8	647.1	Top of west bank	--	--	--	--
115B	T115-00	Area 5A	4-1p	Phase 1	2023-11-13	657503.0	1140463.5	642.3	Bottom of west bank	--	0	0	Cobbles with sand and gravel
115C	T115-00	Area 5A	4-1p	Phase 1	2023-11-13	657519.8	1140456.3	647.1	Middle of creek	--	7	2	Cobbles with sand and gravel
115D	T115-00	Area 5A	4-1p	Phase 1	2023-11-13	657533.0	1140454.7	644.5	Bottom of east bank	--	0	0	Cobbles with sand and gravel
116A	T116-00	Area 5A	4-1p	Phase 1	2023-11-13	657474.6	1140366.3	642.9	Top of west bank	--	--	--	--
116B	T116-00	Area 5A	4-1p	Phase 1	2023-11-13	657486.1	1140356.2	637.5	Bottom of west bank	--	4	0	Cobbles with sand
116C	T116-00	Area 5A	4-1p	Phase 1	2023-11-13	657496.2	1140353.9	640.1	Middle of creek	--	14	0	Cobbles with sand
116D	T116-00	Area 5A	4-1p	Phase 1	2023-11-13	657507.7	1140352.7	640.1	Bottom of east bank	--	4	0	Cobbles with sand
116E	T116-00	Area 5A	4-1p	Phase 1	2023-11-13	657531.4	1140352.2	643.6	Top of east bank	--	--	--	--
117A	T117-00	Area 5A	4-1p	Phase 1	2023-11-13	657469.1	1140254.7	635.2	Bottom of west bank	--	0	0	Cobbles with sand
117B	T117-00	Area 5A	4-1p	Phase 1	2023-11-13	657479.4	1140256.0	631.7	Middle of creek	--	27	4	Cobbles with sand , sheen observed
117C	T117-00	Area 5A	4-1p	Phase 1	2023-11-13	657495.7	1140255.2	634.0	Bottom of east bank	--	16	3	Cobbles with sand , sheen observed
117D	T117-00	Area 5A	4-1p	Phase 1	2023-11-13	657517.1	1140249.9	641.8	Top of east bank	--	--	--	--
118A	T118-00	Area 5A	4-1q	Phase 1	2023-11-13	657452.3	1140149.7	646.6	Top of west bank	--	--	--	--
118B	T118-00	Area 5A	4-1q	Phase 1	2023-11-13	657465.2	1140155.1	639.0	Bottom of west bank	--	0	0	Cobbles with sand , sheen observed
118C	T118-00	Area 5A	4-1q	Phase 1	2023-11-13	657477.3	1140156.7	639.0	Middle of creek	--	18	4	Cobbles with sand , sheen observed
118D	T118-00	Area 5A	4-1q	Phase 1	2023-11-13	657489.9	1140151.7	634.7	Bottom of east bank	--	8	0	Cobbles with sand , sheen observed
118E	T118-00	Area 5A	4-1q	Phase 1	2023-11-13	657503.8	1140148.1	643.1	Top of east bank	--	--	--	--
119A	T119-00	Area 5A	4-1q	Phase 1	2023-11-13	657449.7	1140051.0	636.0	Bottom of west bank	--	0	0	Cobbles with sand
119B	T119-00	Area 5A	4-1q	Phase 1	2023-11-13	657467.3	1140056.4	635.5	Middle of creek	--	7	3	Cobbles with sand
119C	T119-00	Area 5A	4-1q	Phase 1	2023-11-13	657487.0	1140048.2	635.9	Bottom of east bank	--	1	0	Cobbles with sand
119D	T119-00	Area 5A	4-1q	Phase 1	2023-11-13	657450.5	1139970.1	635.2	Sediment deposit	T119-01	--	7	Sand over fines, bank deposit
119E	T119-00	Area 5A	4-1q	Phase 1	2023-11-13	657450.5	1139947.6	634.8	Sediment deposit	T119-01	--	6	Sand over fines, bank deposit
120A	T120-00	Area 5A	4-1q	Phase 1	2023-11-13	657448.8	1139957.5	630.9	Bottom of west bank	--	6	3	Cobbles with sand and gravel
120B	T120-00	Area 5A	4-1q	Phase 1	2023-11-13	657460.3	1139956.9	630.2	Middle of creek	--	6	3	Cobbles with sand and gravel
120C*	T120-00	Area 5A	4-1q	Phase 1	2023-11-13	657473.7	1139959.9	--	Bottom of east bank	--	0	0	Cobbles with sand and gravel
121A	T121-00	Area 5A	4-1q	Phase 1	2023-11-13	657435.9	1139859.1	631.6	Bottom of west bank	--	0	0	Cobbles with sand
121B	T121-00	Area 5A	4-1q	Phase 1	2023-11-13	657446.3	1139856.0	633.1	Middle of creek	--	11	2	Cobbles with sand
121C	T121-00	Area 5A	4-1q	Phase 1	2023-11-13	657460.5	1139861.1	634.0	Bottom of east bank	--	0	0	Cobbles with sand
121D	T121-00	Area 5A	4-1q	Phase 1	2023-11-13	657478.4	1139861.3	639.6	Top of east bank	--	--	--	--
122A	T122-00	Area 5A	4-1q	Phase 1	2023-11-13	657432.6	1139759.4	635.3	Bottom of west bank	--	3	0	Cobbles with sand
122B	T122-00	Area 5A	4-1q	Phase 1	2023-11-13	657448.2	1139760.8	632.8	Middle of creek	--	3	4	Cobbles with sand
122C	T122-00	Area 5A	4-1q	Phase 1	2023-11-13	657458.0	1139759.2	636.2	Bottom of east bank	--	3	0	Cobbles with sand
122D	T122-00	Area 5A	4-1q	Phase 1	2023-11-13	657470.7	1139754.4	641.3	Top of east bank	--	--	--	--
123A	T123-00	Area 5A	4-1q	Phase 1	2023-11-13	657427.7	1139660.8	633.7	Bottom of west bank	--	0	0	Cobbles with sand
123B	T123-00	Area 5A	4-1q	Phase 1	2023-11-13	657438.7	1139658.3	632.8	Middle of creek	--	18	3	Cobbles with sand
123C	T123-00	Area 5A	4-1q	Phase 1	2023-11-13	657453.7	1139657.4	633.1	Bottom of east bank	--	0	0	Cobbles with sand
123D	T123-00	Area 5A	4-1q	Phase 1	2023-11-13	657419.0	1139581.8	637.8	Sediment deposit	T123-01	--	4	Sand with gravel and cobbles, bank deposit
123E	T123-00	Area 5A	4-1q	Phase 1	2023-11-13	657422.3	1139568.8	635.8	Sediment deposit	T123-01	--	5	Sand with gravel and cobbles, bank deposit
123F	T123-00	Area 5A	4-1q	Phase 1	2023-11-13	657414.7	1139556.4	636.5	Sediment deposit	T123-01	--	4	Sand with gravel and cobbles, bank deposit
123G	T123-00	Area 5A	4-1q	Phase 1	2023-11-13	657415.4	1139543.2	629.6	Sediment deposit	T123-01	--	5	Sand with gravel and cobbles, bank deposit
124A	T124-00	Area 5A	4-1q	Phase 1	2023-11-13	657408.8	1139564.5	638.3	Bottom of west bank	--	0	2	Cobbles with sand
124B	T124-00	Area 5A	4-1q	Phase 1	2023-11-13	657424.7	1139560.2	634.3	Middle of creek	--	1	2	Cobbles with sand
124C	T124-00	Area 5A	4-1q	Phase 1	2023-11-13	657436.0	1139559.1	640.8	Bottom of east bank	--	0	2	Cobbles with sand
124D	T124-00	Area 5A	4-1q	Phase 1	2023-11-13	657452.2	1139554.9	642.4	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
125A	T125-00	Area 5A	4-1r	Phase 1	2023-11-13	657400.7	1139460.3	631.6	Bottom of west bank	--	4	4	Sand and gravel with cobbles
125B	T125-00	Area 5A	4-1r	Phase 1	2023-11-13	657416.0	1139460.5	630.3	Middle of creek	--	13	2	Sand and gravel with cobbles
125C ◊	T125-00	Area 5A	4-1r	Phase 1	2023-11-13	657429.6	1139456.2	633.5	Sediment observed (less than 50 square feet)	--	4	8	Sand and gravel with cobbles
125D	T125-00	Area 5A	4-1r	Phase 1	2023-11-13	657431.8	1139456.4	640.3	Top of east bank	--	--	--	--
125E	T125-00	Area 5A	4-1r	Phase 1	2023-11-13	657395.6	1139422.7	631.6	Sediment deposit	T125-01	--	12	Fines with cobbles and sand
125F	T125-00	Area 5A	4-1r	Phase 1	2023-11-13	657400.7	1139393.9	634.8	Sediment deposit	T125-01	--	4	Fines with cobbles and sand
126A	T126-00	Area 5A	4-1r	Phase 1	2023-11-13	657377.6	1139369.3	638.8	Top of west bank	--	--	--	--
126B	T126-00	Area 5A	4-1r	Phase 1	2023-11-13	657393.6	1139360.2	634.8	Bottom of west bank	--	0	0	Sand with cobbles and gravel
126C	T126-00	Area 5A	4-1r	Phase 1	2023-11-13	657405.4	1139358.1	636.4	Middle of creek	--	14	3	Sand with cobbles and gravel
126D	T126-00	Area 5A	4-1r	Phase 1	2023-11-13	657417.2	1139366.6	633.1	Bottom of east bank	--	11	0	Sand with cobbles and gravel
126E*	T126-00	Area 5A	4-1r	Phase 1	2023-11-13	657398.3	1139318.5	--	Sediment observed (less than 50 square feet)	--	--	5	Sand, cobbles and gravel, no definitive deposit, small pockets between T126 and T127
127A	T127-00	Area 5A	4-1r	Phase 1	2023-11-13	657374.8	1139262.3	632.9	Bottom of west bank	--	0	0	Sand with gravel and cobbles
127B ◊	T127-00	Area 5A	4-1r	Phase 1	2023-11-13	657392.4	1139262.1	634.9	Middle of creek	--	8	9	Sand with gravel and cobbles
127C	T127-00	Area 5A	4-1r	Phase 1	2023-11-13	657407.0	1139257.9	640.2	Bottom of east bank	--	0	0	Sand with gravel and cobbles
127D	T127-00	Area 5A	4-1r	Phase 1	2023-11-13	657372.6	1139203.1	634.2	Sediment deposit	T127-01	--	10	Sand with fines, bank deposit
127E	T127-00	Area 5A	4-1r	Phase 1	2023-11-13	657368.4	1139189.1	634.2	Sediment deposit	T127-01	--	16	Sand with fines, bank deposit
128A ◊	T128-00	Area 5A	4-1r	Phase 1	2023-11-13	657366.1	1139166.4	642.4	Bottom of west bank	--	0	11	Sand with gravel and cobbles
128B ◊	T128-00	Area 5A	4-1r	Phase 1	2023-11-13	657386.1	1139160.0	638.3	Middle of creek	--	9	9	Sand with gravel and cobbles
128C	T128-00	Area 5A	4-1r	Phase 1	2023-11-13	657394.4	1139165.4	641.9	Bottom of east bank	--	0	2	Sand with gravel and cobbles
128D	T128-00	Area 5A	4-1r	Phase 1	2023-11-13	657411.5	1139166.4	640.4	Top of east bank	--	--	--	--
129A	T129-00	Area 5A	4-1r	Phase 1	2023-11-13	657363.6	1139065.5	634.4	Bottom of west bank	--	3	0	Sand with cobbles and gravel
129B	T129-00	Area 5A	4-1r	Phase 1	2023-11-13	657377.5	1139062.3	636.9	Middle of creek	--	6	5	Sand with cobbles and gravel
129C	T129-00	Area 5A	4-1r	Phase 1	2023-11-13	657390.8	1139064.9	635.5	Bottom of east bank	--	0	0	Sand with cobbles and gravel
129D	T129-00	Area 5A	4-1r	Phase 1	2023-11-13	657401.6	1139063.1	641.4	Top of east bank	--	--	--	--
130A	T130-00	Area 5A	4-1r	Phase 1	2023-11-13	657350.3	1138960.1	638.2	Bottom of west bank	--	0	2	Sand with cobbles and gravel
130B	T130-00	Area 5A	4-1r	Phase 1	2023-11-13	657367.3	1138956.5	642.3	Middle of creek	--	7	4	Sand with cobbles and gravel
130C	T130-00	Area 5A	4-1r	Phase 1	2023-11-13	657377.2	1138955.8	635.7	Bottom of east bank	--	0	2	Sand with cobbles and gravel
130D	T130-00	Area 5A	4-1r	Phase 1	2023-11-13	657391.7	1138960.4	636.7	Top of east bank	--	--	--	--
131A	T131-00	Area 5A	4-1r	Phase 1	2023-11-13	657340.5	1138861.6	628.3	Bottom of west bank	--	0	2	Sand with cobbles and gravel
131B	T131-00	Area 5A	4-1r	Phase 1	2023-11-13	657355.3	1138858.9	628.0	Middle of creek	--	6	5	Sand with cobbles and gravel
131C	T131-00	Area 5A	4-1r	Phase 1	2023-11-13	657369.6	1138859.4	626.5	Bottom of east bank	--	0	0	Sand with cobbles and gravel
132A	T132-00	Area 5A	4-1s	Phase 1	2023-11-13	657330.7	1138771.5	629.4	Bottom of west bank	--	3	2	Clay
132B* ◊	T132-00	Area 5A	4-1s	Phase 1	2023-11-13	657345.6	1138770.5	--	Middle of creek	--	6	6	Sand with cobbles and gravel
132C ◊	T132-00	Area 5A	4-1s	Phase 1	2023-11-13	657361.3	1138767.9	629.9	Bottom of east bank	--	6	6	Sand with cobbles and gravel
133A	T133-00	Area 5A	4-1s	Phase 1	2023-11-13	657326.8	1138662.9	631.6	Bottom of west bank	--	0	2	Sand with gravel and clay
133B ◊	T133-00	Area 5A	4-1s	Phase 1	2023-11-13	657340.4	1138664.5	626.1	Middle of creek	--	6	6	Sand with gravel and clay
133C	T133-00	Area 5A	4-1s	Phase 1	2023-11-13	657355.9	1138655.1	636.7	Bottom of east bank	--	0	0	Sand with gravel and clay
133D	T133-00	Area 5A	4-1s	Phase 1	2023-11-13	657359.5	1138653.0	637.0	Top of east bank	--	--	--	--
133E	T133-00	Area 5A	4-1s	Phase 1	2023-11-13	657330.5	1138648.7	631.9	Sediment deposit	T133-01	--	7	Sands with fines, bank deposit
134A ◊	T134-00	Area 5A	4-1s	Phase 1	2023-11-13	657311.1	1138566.1	635.4	Bottom of west bank	--	3	6	Clay
134B ◊	T134-00	Area 5A	4-1s	Phase 1	2023-11-13	657330.6	1138566.7	632.4	Middle of creek	--	12	11	Sands with gravel over clay
134C	T134-00	Area 5A	4-1s	Phase 1	2023-11-13	657345.0	1138563.2	633.3	Bottom of east bank	--	0	0	Clay
134D	T134-00	Area 5A	4-1s	Phase 1	2023-11-13	657351.0	1138560.2	636.4	Top of east bank	--	--	--	--
134E	T134-00	Area 5A	4-1s	Phase 1	2023-11-13	657342.3	1138535.1	633.5	Sediment deposit	T134-01	--	12	Fines, bank deposit
134F	T134-00	Area 5A	4-1s	Phase 1	2023-11-13	657341.1	1138529.9	634.5	Sediment deposit	T134-01	--	15	Fines, bank deposit
135A	T135-00	Area 5A	4-1s	Phase 1	2023-11-13	657289.5	1138469.5	636.2	Top of west bank	--	--	--	--
135B	T135-00	Area 5A	4-1s	Phase 1	2023-11-13	657306.1	1138466.0	630.8	Bottom of west bank	--	1	4	Sand with gravel
135C	T135-00	Area 5A	4-1s	Phase 1	2023-11-13	657319.0	1138464.4	630.4	Middle of creek	--	5	3	Sand with gravel
135D	T135-00	Area 5A	4-1s	Phase 1	2023-11-13	657333.5	1138462.0	631.7	Bottom of east bank	--	4	2	Sand with gravel

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
136A	T136-00	Area 5A	4-1s	Phase 1	2023-11-21	657339.2	1138359.2	627.8	Middle of creek	--	36	0	Cobbles with sand and gravel
136B	T136-00	Area 5A	4-1s	Phase 1	2023-11-21	657350.0	1138363.9	631.3	Bottom of east bank	--	1	1	Cobbles with sand and gravel
136C	T136-00	Area 5A	4-1s	Phase 1	2023-11-21	657353.4	1138371.1	633.0	Top of east bank	--	--	--	--
136D	T136-00	Area 5A	4-1s	Phase 1	2023-11-21	657361.7	1138369.6	632.5	Sediment deposit	T136-01	--	24	Sand, aggrading bar
136E	T136-00	Area 5A	4-1s	Phase 1	2023-11-21	657364.0	1138364.9	629.6	Sediment deposit	T136-01	12	24	Sand, aggrading bar, sheen observed
137A	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657403.7	1138293.7	636.6	Top of west bank	--	--	--	Riprap on slope, between railroad and South Noble Street bridges
137B	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657405.0	1138307.5	631.4	Bottom of west bank	--	0	0	Cobbles with sand and gravel
137C	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657408.0	1138332.8	631.3	Middle of creek	--	10	0	Cobbles with sand and gravel
137D	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657411.2	1138359.1	631.6	Bottom of east bank	--	0	1	Cobbles with sand and gravel
137E	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657412.3	1138367.8	634.4	Top of east bank	--	--	--	Riprap on slope, between railroad and South Noble Street bridges
137F	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657398.6	1138348.4	632.2	Sediment deposit	T137-02	--	0	Sand
137G	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657403.3	1138346.4	631.2	Sediment deposit	T137-02	2	6	Sand
137H	T137-00	Area 5A	4-1s	Phase 1	2023-11-21	657396.9	1138327.7	631.9	Sediment deposit	T137-01Ø	4	12	Sand, aggrading bar
138A	T138-00	Area 5A	4-1s	Phase 1	2023-11-15	657474.6	1138261.4	635.4	Top of west bank	--	--	--	--
138B	T138-00	Area 5A	4-1s	Phase 1	2023-11-15	657487.0	1138281.4	628.2	Bottom of west bank	--	0	4	Cobbles with sand and gravel
138C	T138-00	Area 5A	4-1s	Phase 1	2023-11-15	657494.3	1138293.9	628.5	Middle of creek	--	1	0	Cobbles with sand and gravel
138D	T138-00	Area 5A	4-1s	Phase 1	2023-11-15	657503.4	1138304.6	628.6	Bottom of east bank	--	0	0	Cobbles with sand and gravel
138E	T138-00	Area 5A	4-1s	Phase 1	2023-11-15	657508.7	1138321.4	638.0	Top of east bank	--	--	--	--
139A	T139-00	Area 5A	4-1s	Phase 1	2023-11-15	657532.4	1138201.9	628.7	Bottom of west bank	--	15	0	Cobbles with sand and gravel
139B	T139-00	Area 5A	4-1s	Phase 1	2023-11-15	657548.4	1138203.7	625.1	Middle of creek	--	30	1	Cobbles with sand and gravel
139C*	T139-00	Area 5A	4-1s	Phase 1	2023-11-15	657551.9	1138207.9	--	Bottom of east bank	--	4	0	Cobbles with sand and gravel
139D	T139-00	Area 5A	4-1s	Phase 1	2023-11-15	657568.2	1138211.0	638.4	Top of east bank	--	--	--	--
139E	T139-00	Area 5A	4-1s	Phase 1	2023-11-15	657555.6	1138157.3	628.0	Sediment deposit	T139-01	2	7	Cobbles with sand and gravel, channel deposit
139F	T139-00	Area 5A	4-1s	Phase 1	2023-11-15	657574.6	1138123.5	628.3	Sediment deposit	T139-01	--	0	Cobbles with sand and gravel, channel deposit
139G	T139-00	Area 5A	4-1s	Phase 1	2023-11-15	657565.5	1138115.7	627.0	Sediment deposit	T139-01	--	9	Cobbles with sand and gravel, channel deposit
140A	T140-00	Area 5A	4-1s	Phase 1	2023-11-15	657564.5	1138107.6	624.5	Bottom of west bank	--	30	0	Cobbles with sand and gravel
140B	T140-00	Area 5A	4-1s	Phase 1	2023-11-15	657577.6	1138113.7	628.0	Middle of creek	T139-01	0	24	Cobbles with sand and gravel
140C	T140-00	Area 5A	4-1s	Phase 1	2023-11-15	657586.7	1138118.0	626.6	Bottom of east bank	--	2	0	Cobbles with sand and gravel
140D	T140-00	Area 5A	4-1s	Phase 1	2023-11-15	657602.7	1138128.6	634.2	Top of east bank	--	--	--	--
141A	T141-00	Area 5A	4-1t	Phase 1	2023-11-15	657608.6	1138018.6	626.2	Bottom of west bank	--	4	0	Cobbles with sand and gravel
141B ◊	T141-00	Area 5A	4-1t	Phase 1	2023-11-15	657616.1	1138024.2	625.0	Middle of creek	--	17	6	Cobbles with sand and gravel
141C	T141-00	Area 5A	4-1t	Phase 1	2023-11-15	657627.1	1138026.8	626.1	Bottom of east bank	--	0	5	Cobbles with sand and gravel
141D	T141-00	Area 5A	4-1t	Phase 1	2023-11-15	657642.0	1138034.2	633.2	Top of east bank	--	--	--	--
142A	T142-00	Area 5A	4-1t	Phase 1	2023-11-15	657640.5	1137924.6	624.9	Bottom of west bank	--	16	4	Clay with sand and gravel
142B	T142-00	Area 5A	4-1t	Phase 1	2023-11-15	657660.6	1137924.1	624.4	Middle of creek	--	31	4	Sand and gravel
142C*	T142-00	Area 5A	4-1t	Phase 1	2023-11-15	657672.7	1137926.6	--	Bottom of east bank	--	4	2	Sand and gravel
142D	T142-00	Area 5A	4-1t	Phase 1	2023-11-15	657692.4	1137948.4	637.8	Top of east bank	--	--	--	--
143A	T143-00	Area 5A	4-1t	Phase 1	2023-11-15	657661.4	1137828.4	634.5	Top of west bank	--	--	--	--
143B	T143-00	Area 5A	4-1t	Phase 1	2023-11-15	657679.3	1137830.7	625.9	Bottom of west bank	--	8	4	Sand and gravel
143C	T143-00	Area 5A	4-1t	Phase 1	2023-11-15	657693.7	1137836.3	625.3	Middle of creek	--	20	3	Sand and gravel
143D	T143-00	Area 5A	4-1t	Phase 1	2023-11-15	657706.7	1137840.4	625.9	Bottom of east bank	--	15	4	Sand and gravel
143E	T143-00	Area 5A	4-1t	Phase 1	2023-11-15	657725.2	1137835.3	637.1	Top of east bank	--	--	--	--
144A	T144-00	Area 5A	4-1t	Phase 1	2023-11-15	657699.7	1137735.6	626.2	Bottom of west bank	--	13	0	Cobbles with sand and gravel
144B	T144-00	Area 5A	4-1t	Phase 1	2023-11-15	657718.3	1137739.6	630.9	Middle of creek	--	16	5	Cobbles with sand and gravel
144C	T144-00	Area 5A	4-1t	Phase 1	2023-11-15	657732.7	1137741.2	636.1	Bottom of east bank	--	1	0	Cobbles with sand and gravel
144D	T144-00	Area 5A	4-1t	Phase 1	2023-11-15	657751.0	1137754.0	638.4	Top of east bank	--	--	--	--
145A	T145-00	Area 5A	4-1t	Phase 1	2023-11-15	657722.8	1137638.1	627.4	Bottom of west bank	--	0	1	Cobbles with sand and gravel
145B	T145-00	Area 5A	4-1t	Phase 1	2023-11-15	657736.2	1137639.1	624.7	Middle of creek	--	4	4	Cobbles with sand and gravel
145C	T145-00	Area 5A	4-1t	Phase 1	2023-11-15	657748.6	1137641.1	622.8	Bottom of east bank	--	0	0	Cobbles with sand and gravel
145D	T145-00	Area 5A	4-1t	Phase 1	2023-11-15	657726.3	1137611.4	626.0	Sediment deposit	T145-01	--	4	Cobbles with sand and gravel, bank deposit
145E	T145-00	Area 5A	4-1t	Phase 1	2023-11-15	657723.4	1137586.4	625.3	Sediment deposit	T145-01	--	9	Cobbles with sand and gravel, bank deposit
145F	T145-00	Area 5A	4-1t	Phase 1	2023-11-15	657719.8	1137564.2	625.7	Sediment deposit	T145-01	--	13	Cobbles with sand and gravel, bank deposit

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
146A	T146-00	Area 5A	4-1t	Phase 1	2023-11-15	657714.6	1137541.3	626.9	Bottom of west bank	--	0	2	Cobbles with sand and gravel
146B	T146-00	Area 5A	4-1t	Phase 1	2023-11-15	657730.1	1137538.6	627.5	Middle of creek	--	8	2	Cobbles with sand and gravel
146C	T146-00	Area 5A	4-1t	Phase 1	2023-11-15	657743.9	1137538.0	625.4	Bottom of east bank	--	8	2	Cobbles with sand and gravel
147A	T147-00	Area 5A	4-1t	Phase 1	2023-11-15	657706.0	1137447.9	624.0	Bottom of west bank	--	0	0	Cobbles with sand and gravel
147B	T147-00	Area 5A	4-1t	Phase 1	2023-11-15	657718.9	1137446.3	625.2	Middle of creek	--	21	2	Cobbles with sand and gravel
147C	T147-00	Area 5A	4-1t	Phase 1	2023-11-15	657731.8	1137441.4	630.6	Bottom of east bank	--	6	2	Sand and gravel
147D	T147-00	Area 5A	4-1t	Phase 1	2023-11-15	657765.7	1137441.7	648.4	Top of east bank	--	--	--	--
148A	T148-00	Area 5A	4-1u	Phase 1	2023-11-15	657693.8	1137343.7	633.8	Bottom of west bank	--	0	0	Sand and gravel
148B	T148-00	Area 5A	4-1u	Phase 1	2023-11-15	657707.5	1137339.4	628.9	Middle of creek	--	23	5	Sand and gravel
148C	T148-00	Area 5A	4-1u	Phase 1	2023-11-15	657720.9	1137342.7	627.3	Bottom of east bank	--	4	4	Sand and gravel
148D	T148-00	Area 5A	4-1u	Phase 1	2023-11-15	657765.7	1137340.3	652.2	Top of east bank	--	--	--	--
149A	T149-00	Area 5A	4-1u	Phase 1	2023-11-15	657674.6	1137249.9	620.1	Bottom of west bank	--	3	2	Sand with cobbles and gravel
149B	T149-00	Area 5A	4-1u	Phase 1	2023-11-15	657693.1	1137242.5	623.5	Middle of creek	--	18	1	Sand with cobbles and gravel
149C	T149-00	Area 5A	4-1u	Phase 1	2023-11-15	657708.0	1137241.9	625.9	Bottom of east bank	--	2	0	Sand with cobbles and gravel
149D	T149-00	Area 5A	4-1u	Phase 1	2023-11-15	657753.2	1137230.8	651.4	Top of east bank	--	--	--	--
149E	T149-00	Area 5A	4-1u	Phase 1	2023-11-15	657662.5	1137192.4	626.3	Sediment deposit	T149-01	--	6	Sand with cobbles and gravel, bank deposit
149F	T149-00	Area 5A	4-1u	Phase 1	2023-11-15	657646.5	1137146.8	632.5	Sediment deposit	T149-01	--	11	Fines on top of cobbles and gravel, bank deposit
149G	T149-00	Area 5A	4-1u	Phase 1	2023-11-15	657628.9	1137099.9	633.9	Sediment deposit	T149-01	--	16	Fines on top of cobbles and gravel, bank deposit
150A	T150-00	Area 5A	4-1u	Phase 1	2023-11-15	657647.2	1137150.1	623.1	Bottom of west bank	T149-01	0	5	Cobbles with sand and gravel
150B	T150-00	Area 5A	4-1u	Phase 1	2023-11-15	657662.8	1137144.0	624.7	Middle of creek	--	6	2	Cobbles with sand and gravel
150C	T150-00	Area 5A	4-1u	Phase 1	2023-11-15	657681.0	1137141.0	631.6	Bottom of east bank	--	--	0	Cobbles with sand and gravel
151A	T151-00	Area 5A	4-1u	Phase 1	2023-11-15	657608.8	1137067.6	619.8	Bottom of west bank	--	0	0	Cobbles with sand and gravel
151B	T151-00	Area 5A	4-1u	Phase 1	2023-11-15	657615.8	1137062.3	627.1	Middle of creek	--	6	2	Cobbles with sand and gravel
151C	T151-00	Area 5A	4-1u	Phase 1	2023-11-15	657630.4	1137055.3	629.5	Bottom of east bank	--	0	0	Cobbles with sand and gravel
152A	T152-00	Area 5A	4-1u	Phase 1	2023-11-15	657552.1	1136975.0	632.4	Bottom of west bank	--	0	3	Cobbles with sand and gravel
152B	T152-00	Area 5A	4-1u	Phase 1	2023-11-15	657569.9	1136966.4	629.3	Middle of creek	--	5	3	Cobbles with sand and gravel
152C	T152-00	Area 5A	4-1u	Phase 1	2023-11-15	657582.0	1136959.7	628.9	Bottom of east bank	--	0	2	Cobbles with sand and gravel
152D	T152-00	Area 5A	4-1u	Phase 1	2023-11-15	657656.2	1136943.1	665.2	Top of east bank	--	--	--	--
153A	T153-00	Area 5A	4-1u	Phase 1	2023-11-15	657523.2	1136880.6	636.5	Bottom of west bank	--	2	2	Sand with cobbles and gravel
153B	T153-00	Area 5A	4-1u	Phase 1	2023-11-15	657539.2	1136878.0	630.4	Middle of creek	--	4	2	Sand with cobbles and gravel
153C	T153-00	Area 5A	4-1u	Phase 1	2023-11-15	657553.3	1136869.0	625.6	Bottom of east bank	--	0	3	Sand with cobbles and gravel
153D	T153-00	Area 5A	4-1u	Phase 1	2023-11-15	657631.4	1136860.0	668.0	Top of east bank	--	--	--	--
154A	T154-00	Area 5A	4-1v	Phase 1	2023-11-16	657491.1	1136796.0	634.8	Bottom of west bank	--	0	0	Sand with cobbles and gravel
154B ◊	T154-00	Area 5A	4-1v	Phase 1	2023-11-15	657503.7	1136790.4	629.1	Middle of creek	--	7	6	Sand with cobbles and gravel
154C	T154-00	Area 5A	4-1v	Phase 1	2023-11-15	657518.1	1136780.4	625.5	Bottom of east bank	--	0	4	Clay with sand and gravel
154D	T154-00	Area 5A	4-1v	Phase 1	2023-11-15	657609.4	1136769.6	675.4	Top of east bank	--	--	--	--
155A	T155-00	Area 5A	4-1v	Phase 1	2023-11-16	657446.4	1136704.2	642.2	Bottom of west bank	--	2	3	Clay with sand and gravel
155B	T155-00	Area 5A	4-1v	Phase 1	2023-11-15	657459.1	1136698.2	641.3	Middle of creek	--	11	2	Clay with sand and gravel
155C	T155-00	Area 5A	4-1v	Phase 1	2023-11-15	657479.2	1136692.4	636.9	Bottom of east bank	--	0	4	Clay with sand and gravel
155D	T155-00	Area 5A	4-1v	Phase 1	2023-11-15	657558.1	1136637.4	673.7	Top of east bank	--	--	--	--
155E*	T155-00	Area 5A	4-1v	Phase 1	2023-11-15	657443.3	1136708.8	--	Sediment deposit (location estimated, not safely accessible)	T155-01	--	0	--
155F	T155-00	Area 5A	4-1v	Phase 1	2023-11-15	657427.0	1136652.9	633.2	Sediment deposit	T155-02	--	5	Cobbles with sand and gravel, bank deposit
155G	T155-00	Area 5A	4-1v	Phase 1	2023-11-15	657410.3	1136628.3	635.2	Sediment deposit	T155-02	--	10	Fines with sand and gravel, bank deposit
155H	T155-00	Area 5A	4-1v	Phase 1	2023-11-15	657384.5	1136584.0	624.7	Sediment deposit	T155-02	--	20	Fines with sand and gravel, bank deposit
156A	T156-00	Area 5A	4-1v	Phase 1	2023-11-16	657370.6	1136616.3	629.4	Top of west bank	--	--	--	--
156B	T156-00	Area 5A	4-1v	Phase 1	2023-11-15	657405.5	1136612.1	627.5	Bottom of west bank	--	0	2	Cobbles with sand and gravel
156C	T156-00	Area 5A	4-1v	Phase 1	2023-11-15	657417.7	1136606.6	629.7	Middle of creek	--	5	2	Cobbles with sand and gravel
156D	T156-00	Area 5A	4-1v	Phase 1	2023-11-15	657434.0	1136596.1	622.4	Bottom of east bank	--	8	4	Cobbles with sand and gravel
156E	T156-00	Area 5A	4-1v	Phase 1	2023-11-16	657525.9	1136526.2	677.5	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
157A	T157-00	Area 5A	4-1v	Phase 1	2023-11-15	657334.5	1136537.9	630.9	Top of west bank	--	--	--	--
157B	T157-00	Area 5A	4-1v	Phase 1	2023-11-15	657354.0	1136526.1	623.1	Bottom of west bank	--	2	4	Cobbles with sand and gravel
157C	T157-00	Area 5A	4-1v	Phase 1	2023-11-15	657370.0	1136520.6	621.2	Middle of creek	--	4	0	Cobbles with sand and gravel
157D	T157-00	Area 5A	4-1v	Phase 1	2023-11-16	657383.3	1136509.1	621.2	Middle of creek	--	0	1	Fines, sands and gravel
158A	T158-00	Area 5A	4-1v	Phase 1	2023-11-15	657317.3	1136433.8	631.7	Bottom of west bank	--	6	4	Cobbles with sand and gravel
158B	T158-00	Area 5A	4-1v	Phase 1	2023-11-15	657328.9	1136429.1	627.9	Middle of creek	--	12	2	Cobbles with sand and gravel
158C	T158-00	Area 5A	4-1v	Phase 1	2023-11-15	657344.8	1136424.0	625.4	Bottom of east bank	--	0	1	Cobbles with sand and gravel
159A	T159-00	Area 5A	4-1v	Phase 1	2023-11-15	657291.2	1136342.8	637.5	Bottom of west bank	--	4	1	Sand with cobbles and gravel, some fines
159B	T159-00	Area 5A	4-1v	Phase 1	2023-11-15	657306.1	1136336.4	636.0	Middle of creek	--	24	3	Sand with cobbles and gravel, some fines
159C	T159-00	Area 5A	4-1v	Phase 1	2023-11-15	657320.5	1136331.3	636.8	Bottom of east bank	--	4	1	Sand with cobbles and gravel, some fines
160A	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657243.1	1136239.5	625.4	Top of west bank	--	--	--	--
160B	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657245.8	1136234.3	623.4	Bottom of west bank	--	0	0	Sand with cobbles and gravel, some fines
160C	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657272.3	1136233.7	621.5	Middle of creek	--	13	1	Sand with cobbles and gravel
160D	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657287.0	1136228.7	620.9	Bottom of east bank	--	7	0	Sand with cobbles and gravel
160E	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657298.1	1136236.1	622.7	Top of east bank	--	--	--	--
160F	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657247.0	1136228.1	623.0	Sediment deposit	T160-01	--	4	Cobbles with sand and gravel
160G	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657223.3	1136198.1	623.0	Sediment deposit	T160-02	--	24	Cobbles with sand and gravel, bank deposit
160H	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657216.1	1136191.2	623.0	Sediment deposit	T160-02	--	12	Cobbles with sand and gravel, bank deposit
160I	T160-00	Area 5A	4-1v	Phase 1	2023-11-21	657228.3	1136172.2	621.4	Sediment deposit	T160-03	--	18	Cobbles with sand and gravel, channel deposit
161A	T161-00	Area 5A	4-1v	Phase 1	2023-11-21	657208.5	1136155.2	621.4	Bottom of west bank	--	2	0	Sand with cobbles and gravel
161B	T161-00	Area 5A	4-1v	Phase 1	2023-11-21	657222.4	1136147.1	620.1	Middle of creek	--	18	0	Sand with cobbles and gravel
161C	T161-00	Area 5A	4-1v	Phase 1	2023-11-21	657238.3	1136127.6	621.2	Bottom of east bank	--	7	3	Sand with cobbles and gravel
161D	T161-00	Area 5A	4-1v	Phase 1	2023-11-21	657231.1	1136149.5	626.0	Sediment deposit	T161-01	--	19	Cobbles with sand and gravel, channel deposit
161E	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657224.5	1136140.7	624.7	Sediment deposit	T161-01	--	12	Cobbles with sand and gravel, channel deposit
161F	T161-00	Area 5A	4-1v	Phase 1	2023-11-21	657212.2	1136127.3	625.7	Sediment deposit	T161-01	--	15	Cobbles with sand and gravel, channel deposit
161G	T161-00	Area 5A	4-1v	Phase 1	2023-11-21	657213.4	1136075.7	627.3	Sediment deposit	T161-02	--	12	Sand, bank deposit
161H	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657197.6	1136048.3	620.7	Sediment deposit	T161-02	--	10	Sand, bank deposit
161I	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657216.8	1136043.8	625.0	Sediment deposit	T161-02	--	36	Sand, bank deposit
161J	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657207.8	1136000.0	617.8	Sediment deposit	T161-02	--	12	Sand, bank deposit
161K	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657215.1	1135959.9	630.2	Sediment deposit	T161-02	--	15	Sand, bank deposit
161L	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657226.1	1135883.7	629.6	Sediment deposit	T161-02	--	36	Sand, bank deposit
161M	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657213.4	1135870.2	623.4	Sediment deposit	T161-02	--	6	Sand with cobbles. bank deposit
161N	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657238.8	1135772.6	627.0	Sediment deposit	T161-02	--	4	Sand with cobbles. bank deposit
161O*	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657252.5	1135777.0	--	Sediment deposit	T161-02	--	13	Sand with fines, bank deposit
161P	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657288.8	1135712.5	627.3	Sediment deposit	T161-02	--	36	Sand, bank deposit
161Q	T161-00	Area 5A	4-1v	Phase 1	2023-11-14	657324.2	1135664.2	623.4	Sediment deposit	T161-02	--	36	Sand, bank deposit
162A	T162-00	Area 5A	4-1w	Phase 1	2023-11-14	657185.7	1136067.4	631.6	Top of west bank	--	--	--	Vertical stone wall
162B	T162-00	Area 5A	4-1w	Phase 1	2023-11-14	657189.8	1136067.6	623.7	Bottom of east bank	--	6	2	Sand and gravel
162C	T162-00	Area 5A	4-1w	Phase 1	2023-11-14	657208.0	1136066.4	626.8	Middle of creek	T161-02	0	4	Sand and gravel
162D	T162-00	Area 5A	4-1w	Phase 1	2023-11-21	657233.9	1136063.9	637.3	Top of east bank	--	--	--	--
163A	T163-00	Area 5A	4-1w	Phase 1	2023-11-14	657181.4	1135959.5	612.1	Bottom of west bank	--	0	0	Sand with cobbles and gravel
163B	T163-00	Area 5A	4-1w	Phase 1	2023-11-21	657191.1	1135960.3	611.6	Middle of creek	--	6	2	Sand with cobbles and gravel
163C	T163-00	Area 5A	4-1w	Phase 1	2023-11-14	657209.6	1135962.1	627.5	Bottom of east bank	T161-02	0	6	Sand with cobbles and gravel
163D	T163-00	Area 5A	4-1w	Phase 1	2023-11-14	657248.0	1135972.6	646.4	Top of east bank	--	--	--	--
164A	T164-00	Area 5A	4-1w	Phase 1	2023-11-14	657195.0	1135861.0	634.8	Bottom of west bank	T161-02	0	6	Cobbles with sand and gravel
164B	T164-00	Area 5A	4-1w	Phase 1	2023-11-14	657208.8	1135869.0	636.0	Middle of creek	T161-02	4	4	Cobbles with sand and gravel
164C	T164-00	Area 5A	4-1w	Phase 1	2023-11-14	657226.9	1135874.0	631.6	Bottom of east bank	T161-02	0	6	Cobbles with sand and gravel
164D	T164-00	Area 5A	4-1w	Phase 1	2023-11-21	657252.3	1135876.1	638.5	Top of east bank	--	--	--	--
165A	T165-00	Area 5A	4-1w	Phase 1	2023-11-14	657219.9	1135754.8	620.8	Bottom of west bank	T161-02	4	5	Cobbles with sand and gravel
165B	T165-00	Area 5A	4-1w	Phase 1	2023-11-14	657237.1	1135763.9	621.9	Middle of creek	T161-02	4	4	Cobbles with sand and gravel
165C	T165-00	Area 5A	4-1w	Phase 1	2023-11-14	657250.6	1135767.2	619.3	Bottom of east bank	T161-02	0	4	Cobbles with sand and gravel
165D	T165-00	Area 5A	4-1w	Phase 1	2023-11-21	657298.5	1135782.4	630.4	Top of east bank	--	--	--	--

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
166A	T166-00	Area 5A	4-1w	Phase 1	2023-11-14	657254.5	1135680.4	627.2	Top of west bank	--	--	--	--
166B	T166-00	Area 5A	4-1w	Phase 1	2023-11-14	657261.9	1135672.7	623.0	Bottom of west bank	--	6	4	Cobbles with sand and gravel
166C	T166-00	Area 5A	4-1w	Phase 1	2023-11-14	657275.4	1135679.6	618.8	Middle of creek	T161-02	3	8	Cobbles with sand and gravel
166D	T166-00	Area 5A	4-1w	Phase 1	2023-11-14	657291.9	1135688.7	621.8	Bottom of east bank	T161-02	0	4	Cobbles with sand and gravel
166E	T166-00	Area 5A	4-1w	Phase 1	2023-11-21	657329.4	1135722.3	627.0	Top of east bank	--	--	--	--
166F	T166-00	Area 5A	4-1w	Phase 1	2023-11-14	657340.8	1135570.2	630.9	Sediment deposit	T166-01	--	15	Fines over cobbles and sand, bank deposit
166G	T166-00	Area 5A	4-1w	Phase 1	2023-11-14	657358.7	1135545.2	624.7	Sediment deposit	T166-01	--	18	Fines over cobbles and sand, bank deposit
166H	T166-00	Area 5A	4-1w	Phase 1	2023-11-14	657402.1	1135461.2	626.3	Sediment deposit	T166-01	--	18	Fines over cobbles and sand, bank deposit
167A	T167-00	Area 5A	4-1w	Phase 1	2023-11-14	657332.8	1135594.4	624.7	Bottom of west bank	T166-01	0	4	Fines over cobbles and sand
167B	T167-00	Area 5A	4-1w	Phase 1	2023-11-14	657349.1	1135607.4	623.5	Middle of creek	--	15	0	Fines over cobbles and sand
167C	T167-00	Area 5A	4-1w	Phase 1	2023-11-21	657359.4	1135613.1	626.1	Bottom of east bank	--	0	0	Fines over cobbles and sand
168A	T168-00	Area 5A	4-1w	Phase 1	2023-11-21	657386.1	1135504.1	626.9	Bottom of west bank	T166-01	0	6	Fines over cobbles and sand
168B	T168-00	Area 5A	4-1w	Phase 1	2023-11-14	657404.5	1135514.8	627.1	Middle of creek	--	10	2	Fines over cobbles and sand
168C ◊	T168-00	Area 5A	4-1w	Phase 1	2023-11-14	657419.1	1135523.7	624.9	Bottom of east bank	--	5	8	Fines over cobbles and sand
168D	T168-00	Area 5A	4-1w	Phase 1	2023-11-14	657420.2	1135536.5	621.4	Top of east bank	--	--	--	--
169A	T169-00	Area 5A	4-1x	Phase 1	2023-11-14	657430.4	1135418.1	625.4	Bottom of west bank	--	0	4	Cobbles with sand
169B	T169-00	Area 5A	4-1x	Phase 1	2023-11-14	657450.2	1135423.7	622.9	Middle of creek	--	6	2	Cobbles with sand
169C	T169-00	Area 5A	4-1x	Phase 1	2023-11-14	657465.4	1135431.2	628.9	Bottom of east bank	--	0	--	Sand over clay
169D	T169-00	Area 5A	4-1x	Phase 1	2023-11-21	657472.0	1135450.2	630.7	Top of east bank	--	--	--	--
170A*	T170-00	Area 5A	4-1x	Phase 1	2023-11-21	657461.2	1135322.7	--	Bottom of west bank	T166-01	0	12	Sand, cobbles, and gravel over clay
170B*	T170-00	Area 5A	4-1x	Phase 1	2023-11-21	657479.2	1135325.3	--	Middle of creek	--	4	2	Sand with gravel and cobbles
170C*	T170-00	Area 5A	4-1x	Phase 1	2023-11-21	657497.7	1135326.0	--	Bottom of east bank	--	2	2	Sand and gravel over clay
170D	T170-00	Area 5A	4-1X	Phase 1	2023-11-21	657497.4	1135341.7	621.7	Top of east bank	--	--	--	--
170E	T170-00	Area 5A	4-1x	Phase 1	2023-11-14	657525.0	1135285.5	620.4	Sediment deposit	T170-01	--	15	Fines, bank deposit
170F	T170-00	Area 5A	4-1x	Phase 1	2023-11-14	657533.0	1135262.0	619.4	Sediment deposit	T170-02	--	20	Fines, bank deposit
171A	T171-00	Area 5A	4-1x	Phase 1	2023-11-21	657510.4	1135231.5	622.2	Bottom of west bank	--	1	4	Cobbles with sand
171B	T171-00	Area 5A	4-1x	Phase 1	2023-11-14	657525.0	1135239.7	621.9	Middle of creek	T170-02	1	2	Cobbles with sand
171C	T171-00	Area 5A	4-1x	Phase 1	2023-11-14	657541.1	1135249.7	624.5	Bottom of east bank	T170-02	0	9	Sand with fines
171D	T171-00	Area 5A	4-1x	Phase 1	2023-11-14	657561.3	1135266.1	619.3	Top of east bank	--	--	--	--
172A	T172-00	Area 5A	4-1x	Phase 1	2023-11-21	657547.3	1135149.5	617.4	Middle of creek	--	0	3	Fines with sand over cobbles
172B*	T172-00	Area 5A	4-1x	Phase 1	2023-11-14	657565.4	1135157.1	--	Middle of creek	--	3	1	Cobbles with sand
172C ◊	T172-00	Area 5A	4-1x	Phase 1	2023-11-14	657578.8	1135168.2	621.7	Bottom of east bank, localized bank failure	--	1	24	Fines with sands
172D	T172-00	Area 5A	4-1x	Phase 1	2023-11-14	657589.0	1135163.7	622.4	Top of east bank	--	--	--	--
172E*	T172-00	Area 5A	4-1x	Phase 1	2023-11-14	657592.2	1135135.6	--	Location of previous deposit (S-5-18), no sediment observed	--	--	0	--
172F	T172-00	Area 5A	4-1x	Phase 1	2023-11-14	657619.1	1135063.4	623.0	Sediment deposit	T172-01	--	14	Fines with sand and cobbles, bank deposit
172G	T172-00	Area 5A	4-1x	Phase 1	2023-11-14	657643.1	1135037.0	622.7	Sediment deposit	T172-01	--	13	Fines with sand and cobbles, bank deposit
173A ◊	T173-00	Area 5A	4-1x	Phase 1	2023-11-14	657587.9	1135058.4	616.0	Bottom of west bank	--	0	18	Fines with sand and cobbles over clay
173B	T173-00	Area 5A	4-1x	Phase 1	2023-11-21	657614.3	1135069.4	626.0	Bottom of east bank	T172-01	0	8	Fines with sand and cobbles
173C	T173-00	Area 5A	4-1x	Phase 1	2023-11-14	657645.8	1135066.3	618.5	Top of east bank	--	--	--	--
174A	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657651.7	1134982.5	625.5	Bottom of west bank	--	0	1	Sand and cobbles
174B	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657667.1	1134989.5	625.6	Middle of creek	--	15	1	Sand and cobbles
174C	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657679.3	1134998.6	619.9	Bottom of east bank	--	0	5	Sand and cobbles
174D	T174-00	Area 5A	4-1x	Phase 1	2023-11-21	657702.3	1135005.5	623.7	Top of east bank	--	--	--	--
174E	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657685.2	1134945.5	603.0	Sediment deposit	T174-01Ø	--	4	Cobbles with sand, bank deposit
174F	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657681.9	1134934.6	606.0	Sediment deposit	T174-01Ø	--	5	Cobbles with sand, bank deposit
174G*	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657705.8	1134943.9	--	Sediment deposit	T174-02	--	6	Cobbles with sand, channel deposit
174H	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657721.4	1134923.5	615.5	Sediment deposit	T174-02	--	10	Cobbles with sand, channel deposit
174I*	T174-00	Area 5A	4-1x	Phase 1	2023-11-14	657738.0	1134855.6	--	Sediment deposit	T174-03Ø	--	6	Cobbles with sand, bank deposit
175A	T175-00	Area 5A	4-1x	Phase 1	2023-11-14	657713.7	1134891.7	606.0	Bottom of west bank	--	0	2	Sand and cobbles
175B	T175-00	Area 5A	4-1x	Phase 1	2023-11-14	657731.3	1134907.6	597.5	Middle of creek	--	2	3	Sand and cobbles
175C	T175-00	Area 5A	4-1x	Phase 1	2023-11-21	657754.4	1134916.7	625.1	Top of east bank	--	--	--	Railroad embankment

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
176A	T176-00	Area 5A	4-1x	Phase 1	2023-11-14	657745.3	1134808.5	608.7	Bottom of west bank	--	0	4	Sand and cobbles
176B	T176-00	Area 5A	4-1x	Phase 1	2023-11-21	657772.8	1134812.9	606.3	Middle of creek	--	18	0	Sand and cobbles
176C	T176-00	Area 5A	4-1x	Phase 1	2023-11-14	657791.3	1134830.7	626.1	Top of east bank	--	--	--	Railroad embankment
177A ◊	T177-00	Area 5A	4-1y	Phase 1	2023-11-14	657795.5	1134729.0	615.3	Bottom of west bank	--	1	10	Sand and cobbles, large riprap
177B	T177-00	Area 5A	4-1y	Phase 1	2023-11-14	657805.2	1134733.1	612.8	Middle of creek	--	18	0	Sand and cobbles
177C	T177-00	Area 5A	4-1y	Phase 1	2023-11-21	657838.7	1134739.8	627.5	Top of east bank	--	--	--	Railroad embankment
178A	T178-00	Area 5A	4-1y	Phase 1	2023-11-14	657837.6	1134623.4	621.4	Bottom of west bank	--	0	4	Cobbles with sand and gravel
178B	T178-00	Area 5A	4-1y	Phase 1	2023-11-14	657852.5	1134630.8	609.3	Middle of creek	--	9	2	Cobbles with sand and gravel
178C	T178-00	Area 5A	4-1y	Phase 1	2023-11-21	657879.1	1134649.2	624.7	Top of east bank	--	--	--	Railroad embankment
179A	T179-00	Area 5A	4-1y	Phase 1	2023-11-14	657880.8	1134532.9	613.9	Bottom of west bank	--	0	3	Bedrock with sand and gravel
179B	T179-00	Area 5A	4-1y	Phase 1	2023-11-14	657891.9	1134540.9	613.6	Middle of creek	--	9	0	Bedrock with sand and gravel
179C	T179-00	Area 5A	4-1y	Phase 1	2023-11-21	657925.3	1134554.5	626.7	Top of east bank	--	--	--	Railroad embankment
180A	T180-00	Area 5A	4-1y	Phase 1	2023-11-14	657916.6	1134445.4	613.5	Bottom of west bank	--	22	0	Bedrock
180B	T180-00	Area 5A	4-1y	Phase 1	2023-11-14	657932.3	1134457.4	611.9	Middle of creek	--	22	0	Bedrock
180C*	T180-00	Area 5A	4-1y	Phase 1	2023-11-14	657948.9	1134469.7	--	Bottom of east bank	--	0	5	Sand and gravel over clay
180D	T180-00	Area 5A	4-1y	Phase 1	2023-11-21	657995.0	1134458.7	--	Top of east bank	--	--	--	Railroad embankment
180E	T180-00	Area 5A	4-1x	Phase 1	2023-11-14	657965.8	1134445.9	--	Sediment deposit	T180-01	--	8	Gravel with sand, bank deposit
180F	T180-00	Area 5A	4-1y	Phase 1	2023-11-14	657982.6	1134418.0	--	Sediment deposit	T180-01	--	6	Gravel with sand, bank deposit
181A	T181-00	Area 5A	4-1y	Phase 1	2023-11-14	657970.3	1134392.4	--	Bottom of west bank	--	1	2	Gravel with cobbles and sand
181B*	T181-00	Area 5A	4-1y	Phase 1	2023-11-14	657980.3	1134395.9	--	Middle of creek	--	3	2	Gravel with cobbles and sand
181C	T181-00	Area 5A	4-1y	Phase 1	2023-11-14	657990.6	1134404.6	613.8	Bottom of east bank	T180-01	0	4	Cobbles with gravel and sand
181D	T181-00	Area 5A	4-1y	Phase 1	2023-11-21	658018.2	1134428.8	620.1	Top of east bank	--	--	--	Railroad embankment
182A	T182-00	Area 5A	4-1y	Phase 1	2023-11-21	658037.3	1134319.5	614.7	Bottom of west bank	--	5	0	Gravel with cobbles and sand
182B	T182-00	Area 5A	4-1y	Phase 1	2023-11-14	658047.3	1134327.4	618.9	Middle of creek	--	10	1	Gravel with cobbles and sand
182C	T182-00	Area 5A	4-1y	Phase 1	2023-11-14	658058.5	1134338.5	617.4	Bottom of east bank	T180-01	0	4	Gravel with cobbles and sand
182D	T182-00	Area 5A	4-1y	Phase 1	2023-11-14	658072.7	1134361.4	619.2	Top of east bank	--	--	--	Railroad embankment
183A	T183-00	Area 5A	4-1y	Phase 1	2023-11-14	658096.3	1134250.0	617.2	Bottom of west bank	--	2	0	Cobbles with sand and gravel
183B	T183-00	Area 5A	4-1y	Phase 1	2023-11-14	658107.1	1134259.5	613.8	Middle of creek	--	4	2	Cobbles with sand and gravel
183C ◊	T183-00	Area 5A	4-1y	Phase 1	2023-11-14	658124.5	1134271.5	613.5	Bottom of east bank	--	4	8	Fines with cobbles
183D	T183-00	Area 5A	4-1y	Phase 1	2023-11-21	658125.3	1134282.6	619.1	Top of east bank	--	--	--	--
184A	T184-00	Area 5A	4-1z	Phase 1	2023-11-14	658171.8	1134176.0	610.3	Bottom of west bank	--	0	4	Cobbles with sand and gravel
184B	T184-00	Area 5A	4-1z	Phase 1	2023-11-14	658182.7	1134186.2	612.2	Middle of creek	--	3	2	Cobbles with sand and gravel
184C	T184-00	Area 5A	4-1z	Phase 1	2023-11-21	658193.2	1134194.8	617.1	Bottom of east bank	--	0	2	Cobbles with sand and gravel
184D	T184-00	Area 5A	4-1z	Phase 1	2023-11-14	658195.6	1134211.7	614.6	Top of east bank	--	--	--	--
185A	T185-00	Area 5A	4-1z	Phase 1	2023-11-14	658246.2	1134101.8	610.0	Bottom of west bank	--	7	1	Clay
185B	T185-00	Area 5A	4-1z	Phase 1	2023-11-14	658254.5	1134119.4	606.1	Middle of creek	--	5	4	Cobbles with gravel and sand
185C	T185-00	Area 5A	4-1z	Phase 1	2023-11-21	658264.6	1134128.7	611.6	Bottom of east bank	--	5	1	Clay with sand
185D	T185-00	Area 5A	4-1z	Phase 1	2023-11-14	658275.9	1134131.3	613.3	Top of east bank	--	--	--	--
186A ◊	T186-00	Area 5A	4-1z	Phase 1	2023-11-14	658322.5	1134033.6	610.6	Bottom of west bank	--	0	6	Sand with fines and clay
186B	T186-00	Area 5A	4-1z	Phase 1	2023-11-14	658334.1	1134051.2	609.7	Middle of creek	--	9	4	Cobbles with sand and gravel
186C ◊	T186-00	Area 5A	4-1z	Phase 1	2023-11-14	658343.4	1134066.6	610.6	Bottom of east bank	--	3	9	Clay with fines
186D	T186-00	Area 5A	4-1z	Phase 1	2023-11-21	658362.9	1134068.4	618.0	Top of east bank	--	--	--	--
187A ◊	T187-00	Area 5A	4-1z	Phase 1	2023-11-14	658405.6	1133972.2	607.7	Bottom of west bank	--	14	7	Sand with fines and clay
187B*	T187-00	Area 5A	4-1z	Phase 1	2023-11-14	658417.0	1133984.5	--	Middle of creek	--	20	1	Sand with fines and clay
187C	T187-00	Area 5A	4-1z	Phase 1	2023-11-14	658426.6	1133997.7	610.1	Bottom of east bank	--	6	1	Clay
187D	T187-00	Area 5A	4-1z	Phase 1	2023-11-21	658427.5	1134007.1	617.2	Top of east bank	--	--	--	--
188A	T188-00	Area 5A	4-1z	Phase 1	2023-11-14	658484.2	1133911.4	617.5	Bottom of west bank	--	0	0	Bedrock
188B	T188-00	Area 5A	4-1z	Phase 1	2023-11-14	658494.3	1133922.2	618.1	Middle of creek	--	9	0	Bedrock
188C	T188-00	Area 5A	4-1z	Phase 1	2023-11-14	658505.0	1133931.5	609.4	Bottom of east bank	--	8	2	Clayey fines over bedrock
188D	T188-00	Area 5A	4-1z	Phase 1	2023-11-21	658541.2	1133921.8	619.5	Top of east bank	--	--	--	--
188E	T188-00	Area 5A	4-1y	Phase 1	2023-11-14	658556.1	1133870.2	611.2	Sediment deposit	T188-01	8	15	Sand and gravel, channel deposit
188F	T188-00	Area 5A	4-1z	Phase 1	2023-11-14	658563.9	1133859.6	611.2	Sediment deposit	T188-01	5	29	Sand and gravel, channel deposit

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
189A	T189-00	Area 5A	4-1z	Phase 1	2023-11-14	658551.4	1133849.1	609.2	Bottom of west bank	--	0	2	Fines over bedrock
189B	T189-00	Area 5A	4-1z	Phase 1	2023-11-21	658564.0	1133859.7	610.6	Middle of creek	T188-01	6	29	Sand and gravel
189C	T189-00	Area 5A	4-1z	Phase 1	2023-11-14	658575.4	1133865.9	610.8	Bottom of east bank	--	2	5	Sand and fines
189D	T189-00	Area 5A	4-1z	Phase 1	2023-11-14	658583.1	1133879.0	613.9	Top of east bank	--	--	--	--
189E	T189-00	Area 5A	4-1z	Phase 1	2023-11-14	658580.7	1133785.3	608.3	Location of previous deposit (S-5-21), little sediment observed	--	--	3	Gravel and sand, bank deposit
190A	T190-00	Area 5A	4-1z	Phase 1	2023-11-14	658581.5	1133763.2	607.2	Bottom of west bank	T190-01	0	18	Sand and gravel
190B	T190-00	Area 5A	4-1z	Phase 1	2023-11-14	658594.2	1133761.6	605.6	Middle of creek	--	27	1	Sand and gravel over bedrock or concrete
190C	T190-00	Area 5A	4-1z	Phase 1	2023-11-14	658604.8	1133764.4	607.1	Bottom of east bank	--	4	0	Concrete and riprap
190D	T190-00	Area 5A	4-1z	Phase 1	2023-11-14	658581.6	1133746.8	607.9	Sediment deposit	T190-01	2	18	Sand with gravel, bank deposit
190E	T190-00	Area 5A	4-1z	Phase 1	2023-11-14	658582.3	1133738.6	607.6	Sediment deposit	T190-01	2	26	Sand with gravel, bank deposit
190F	T190-00	Area 5A	4-1z	Phase 1	2023-11-14	658582.5	1133705.7	608.3	Sediment deposit	T190-01	--	12	Sand with gravel, bank deposit
191A	T191-00	Area 5A	4-1aa	Phase 1	2023-11-14	658570.7	1133658.2	608.2	Bottom of west bank	--	0	0	Rock with fines and sand
191B	T191-00	Area 5A	4-1aa	Phase 1	2023-11-14	658590.2	1133656.4	606.8	Middle of creek	--	18	0	Bedrock
191C	T191-00	Area 5A	4-1aa	Phase 1	2023-11-14	658608.7	1133658.2	607.9	Bottom of east bank	--	0	2	Gravel above bedrock
191D ◊	T191-00	Area 5A	4-1aa	Phase 1	2023-11-14	658608.1	1133627.1	605.6	Sediment observed (less than 50 square feet)	--	--	12	Sand and gravel with riprap, bank deposit
192A	T192-00	Area 5A	4-1aa	Phase 1	2023-11-14	658579.6	1133565.9	607.5	Bottom of west bank	--	0	3	Sand and gravel over bedrock
192B ◊	T192-00	Area 5A	4-1aa	Phase 1	2023-11-14	658598.6	1133567.8	606.3	Middle of creek	--	15	11	Sand and gravel over bedrock
192C	T192-00	Area 5A	4-1aa	Phase 1	2023-11-14	658612.4	1133569.5	607.7	Bottom of east bank	--	0	0	Riprap
193A	T193-00	Area 5A	4-1aa	Phase 1	2023-11-14	658584.8	1133464.4	606.0	Bottom of west bank	--	0	0	Riprap
193B	T193-00	Area 5A	4-1aa	Phase 1	2023-11-14	658596.7	1133466.7	604.5	Middle of creek	--	18	2	Sand over bedrock
193C	T193-00	Area 5A	4-1aa	Phase 1	2023-11-14	658611.3	1133465.1	606.0	Bottom of east bank	--	0	0	Riprap
195A*	T195-00	Area 5B	4-1aa	Phase 2	2024-10-15	658606.6	1133267.4	--	Quintard Mall Culvert - west side of culvert	--	10	0	Concrete
195B*	T195-00	Area 5B	4-1aa	Phase 2	2024-10-15	658632.8	1133290.3	--	Quintard Mall Culvert - middle of culvert	--	23	5	Cobbles/gravel/sand
195C*	T195-00	Area 5B	4-1aa	Phase 2	2024-10-15	658658.9	1133313.1	--	Quintard Mall Culvert - east side of culvert	--	0	17	Gravel/sand
196A*	T196-00	Area 5B	4-1aa	Phase 2	2024-10-15	658671.2	1133193.6	--	Quintard Mall Culvert - west side of culvert	--	16	0	Concrete
196B*	T196-00	Area 5B	4-1aa	Phase 2	2024-10-15	658697.4	1133216.5	--	Quintard Mall Culvert - middle of culvert	T195-01#	0	36	Cobbles/gravel/sand
196C*	T196-00	Area 5B	4-1aa	Phase 2	2024-10-15	658723.6	1133239.5	--	Quintard Mall Culvert - east side of culvert	T195-01#	0	36	Cobbles/gravel/sand
197A*	T197-00	Area 5B	4-1aa	Phase 2	2024-10-15	658719.4	1133130.3	--	Quintard Mall Culvert - west side of culvert	--	5	15	Cobbles/gravel/sand
197B*	T197-00	Area 5B	4-1aa	Phase 2	2024-10-15	658749.6	1133147.6	--	Quintard Mall Culvert - middle of culvert	T195-01#	0	36	Cobbles/gravel/sand
197C*	T197-00	Area 5B	4-1aa	Phase 2	2024-10-15	658779.8	1133164.9	--	Quintard Mall Culvert - east side of culvert	T195-01#	0	36	Cobbles/gravel/sand
198A*	T198-00	Area 5B	4-1aa	Phase 2	2024-10-15	658769.1	1133043.6	--	Quintard Mall Culvert - west side of culvert	--	0	1	Cobbles/gravel/sand
198B*	T198-00	Area 5B	4-1aa	Phase 2	2024-10-15	658799.3	1133060.9	--	Quintard Mall Culvert - middle of culvert	--	0	19	Cobbles/gravel/sand
198C*	T198-00	Area 5B	4-1aa	Phase 2	2024-10-15	658829.5	1133078.2	--	Quintard Mall Culvert - east side of culvert	T195-01#	1	12	Gravel/sand
199A*	T199-00	Area 5B	4-1aa	Phase 2	2024-10-15	658818.8	1132956.8	--	Quintard Mall Culvert - west side of culvert	T198-01#	0	36	Cobbles/gravel/sand
199B*	T199-00	Area 5B	4-1aa	Phase 2	2024-10-15	658849.0	1132974.1	--	Quintard Mall Culvert - middle of culvert	T198-01#	0	36	Cobbles/gravel/sand
199C*	T199-00	Area 5B	4-1aa	Phase 2	2024-10-15	658879.2	1132991.4	--	Quintard Mall Culvert - east side of culvert	--	2	8	Gravel/sand
200A*	T200-00	Area 5B	4-1bb	Phase 2	2024-10-15	658853.5	1132890.8	--	Quintard Mall Culvert - west side of culvert	--	0	36	Cobbles/gravel/sand
200B*	T200-00	Area 5B	4-1bb	Phase 2	2024-10-15	658887.8	1132895.4	--	Quintard Mall Culvert - middle of culvert	--	1	19	Gravel/sand
200C*	T200-00	Area 5B	4-1bb	Phase 2	2024-10-15	658922.3	1132900.0	--	Quintard Mall Culvert - east side of culvert	--	2	9	Cobbles/gravel/sand
201A*	T201-00	Area 5B	4-1bb	Phase 2	2024-10-15	658852.0	1132794.6	--	Quintard Mall Culvert - west side of culvert	T200-01#	0	10	Gravel/sand
201B*	T201-00	Area 5B	4-1bb	Phase 2	2024-10-15	658886.8	1132794.6	--	Quintard Mall Culvert - middle of culvert	T200-01#	3	15	Gravel/sand
201C*	T201-00	Area 5B	4-1bb	Phase 2	2024-10-15	658921.6	1132794.6	--	Quintard Mall Culvert - east side of culvert	--	10	0	Concrete
202A*	T202-00	Area 5B	4-1bb	Phase 2	2024-10-15	658852.0	1132694.6	--	Quintard Mall Culvert - west side of culvert	--	7	0	Concrete
202B*	T202-00	Area 5B	4-1bb	Phase 2	2024-10-15	658886.8	1132694.6	--	Quintard Mall Culvert - middle of culvert	T201-01#	0	36	Cobbles/gravel/sand
202C*	T202-00	Area 5B	4-1bb	Phase 2	2024-10-15	658921.5	1132694.6	--	Quintard Mall Culvert - east side of culvert	--	0	8	Cobbles/gravel/sand
203A*	T203-00	Area 5B	4-1bb	Phase 2	2024-10-15	658852.0	1132594.6	--	Quintard Mall Culvert - west side of culvert	--	12	0	Concrete
203B*	T203-00	Area 5B	4-1bb	Phase 2	2024-10-15	658886.8	1132594.6	--	Quintard Mall Culvert - middle of culvert	T202-01#	0	36	Cobbles/gravel/sand
203C*	T203-00	Area 5B	4-1bb	Phase 2	2024-10-15	658921.6	1132594.6	--	Quintard Mall Culvert - east side of culvert	T202-01#	0	6	Cobbles/gravel/sand
204A*	T204-00	Area 5B	4-1bb	Phase 2	2024-10-16	658852.0	1132481.6	--	Quintard Mall Culvert - west side of culvert	--	13	0	Concrete
204B*	T204-00	Area 5B	4-1bb	Phase 2	2024-10-16	658886.8	1132481.6	--	Quintard Mall Culvert - middle of culvert	T202-01#	0	36	Cobbles/gravel/sand
204C*	T204-00	Area 5B	4-1bb	Phase 2	2024-10-16	658921.6	1132481.6	--	Quintard Mall Culvert - east side of culvert	T202-01#	0	36	Cobbles/gravel/sand

Table 4-1. Snow Creek Sediment Probing Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	PDI Phase	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
205A*	T205-00	Area 5B	4-1bb	Phase 2	2024-10-16	658852.0	1132381.6	--	Quintard Mall Culvert - west side of culvert	--	16	0	Concrete
205B*	T205-00	Area 5B	4-1bb	Phase 2	2024-10-16	658886.8	1132381.6	--	Quintard Mall Culvert - middle of culvert	T204-01#	0	36	Cobbles/gravel/sand
205C*	T205-00	Area 5B	4-1bb	Phase 2	2024-10-16	658921.6	1132381.6	--	Quintard Mall Culvert - east side of culvert	T204-01#	0	36	Cobbles/gravel/sand
206A*	T206-00	Area 5B	4-1bb	Phase 2	2024-10-16	658852.0	1132281.6	--	Quintard Mall Culvert - west side of culvert	--	7	5	Gravel/sand
206B*	T206-00	Area 5B	4-1bb	Phase 2	2024-10-16	658886.8	1132281.6	--	Quintard Mall Culvert - middle of culvert	T205-01#	1	36	Gravel/sand
206C*	T206-00	Area 5B	4-1bb	Phase 2	2024-10-16	658921.6	1132281.6	--	Quintard Mall Culvert - east side of culvert	--	3	10	Gravel/sand
207A*	T207-00	Area 5B	4-1cc	Phase 2	2024-10-16	658852.0	1132181.6	--	Quintard Mall Culvert - west side of culvert	--	5	16	Cobbles/gravel/sand
207B*	T207-00	Area 5B	4-1cc	Phase 2	2024-10-16	658886.8	1132181.6	--	Quintard Mall Culvert - middle of culvert	T206-01#	0	36	Gravel/sand
207C*	T207-00	Area 5B	4-1cc	Phase 2	2024-10-16	658921.6	1132181.6	--	Quintard Mall Culvert - east side of culvert	--	0	13	Gravel/sand
208A*	T208-00	Area 5B	4-1cc	Phase 2	2024-10-16	658852.0	1132081.6	--	Quintard Mall Culvert - Riprap Section - west side of culvert	--	0	17	Concrete
208B*	T208-00	Area 5B	4-1cc	Phase 2	2024-10-16	658886.8	1132081.6	--	Quintard Mall Culvert - Riprap Section - middle of culvert	T207-01#	0	36	Cobbles/gravel/sand
208C*	T208-00	Area 5B	4-1cc	Phase 2	2024-10-16	658921.6	1132081.6	--	Quintard Mall Culvert - Riprap Section - east side of culvert	T208-01#	3	6	Cobbles/gravel/sand
208D*	T208-00	Area 5B	4-1cc	Phase 2	2024-10-16	658852.0	1132031.6	--	Quintard Mall Culvert - Riprap Section - west side of culvert	T208-02#	3	11	Gravel/sand/riprap
208E*	T208-00	Area 5B	4-1cc	Phase 2	2024-10-16	658886.8	1132031.6	--	Quintard Mall Culvert - Riprap Section - middle of culvert	--	4	20	Cobbles/gravel/sand/riprap
208F*	T208-00	Area 5B	4-1cc	Phase 2	2024-10-16	658921.6	1132031.6	--	Quintard Mall Culvert - Riprap Section - east side of culvert	T208-01#	0	12	Cobbles/gravel/sand/riprap
208G*	T209-00	Area 5B	4-1cc	Phase 2	2024-10-16	658852.0	1131981.6	--	Quintard Mall Culvert - Riprap Section - west side of culvert	T208-02#	0	2	Cobbles/gravel/sand
208H*	T209-00	Area 5B	4-1cc	Phase 2	2024-10-16	658886.8	1131981.6	--	Quintard Mall Culvert - Riprap Section - middle of culvert	--	9	20	Gravel/sand
208I*	T209-00	Area 5B	4-1cc	Phase 2	2024-10-16	658921.6	1131981.6	--	Quintard Mall Culvert - Riprap Section - east side of culvert	--	0	15	Gravel/sand
209A	T209-00	Area 5C	4-1cc	Phase 1	2023-11-16	658863.7	1131900.7	602.4	Sediment deposit	T209-01	--	10	Sand with cobbles and gravel, aggrading bar
209B	T209-00	Area 5C	4-1cc	Phase 1	2023-11-16	658858.1	1131880.6	601.4	Sediment deposit	T209-01	6	6	Sand with cobbles and gravel, aggrading bar
210A	T210-00	Area 5C	4-1cc	Phase 1	2023-11-16	658826.2	1131867.0	610.3	Top of west bank	--	--	--	--
210B	T210-00	Area 5C	4-1cc	Phase 1	2023-11-16	658846.0	1131863.6	601.0	Bottom of west bank	--	0	0	Sand with gravel and cobbles
210C	T210-00	Area 5C	4-1cc	Phase 1	2023-11-16	658869.3	1131857.4	598.6	Middle of creek	--	31	2	Sand with gravel and cobbles
210D	T210-00	Area 5C	4-1cc	Phase 1	2023-11-16	658895.2	1131849.2	606.1	Top of east bank	--	--	--	--
210E	T210-00	Area 5C	4-1cc	Phase 1	2023-11-16	658857.8	1131864.5	600.4	Sediment deposit	T210-01	3	15	Sand and gravel, aggrading bar
210F	T210-00	Area 5C	4-1cc	Phase 1	2023-11-16	658853.3	1131845.8	602.0	Sediment deposit	T210-01	--	8	Sand and gravel, aggrading bar

Notes:

1. The data presented are based on Phase 1 and Phase 2 sediment probing conducted during November 2023 and September/October 2024.
2. Figures 4-1a through 4-1cc show the transect locations and the PDI sediment probing locations.
3. The sediment probing and thickness measurements were conducted using a calibrated, small-diameter (less than 0.5 inches), 36-inch-long, steel probe rod. The probing locations and the extents of observed sediment deposits were recorded using a pole-mounted Trimble DA2 global navigation satellite system (GNSS) receiver with a Trimble Catalyst 1 positioning service to provide sub-meter accuracy.
4. Horizontal datum is NAD83, Alabama State Plane, East Zone, U.S. survey feet.
5. Vertical datum is NAVD88.
6. Coordinates for some locations were not recorded in the field due to accessibility or poor GPS signal (e.g., under or near bridges and inside culverts). In those circumstances, locations were manually recorded and plotted, and the listed coordinates were extracted using geographic information system (GIS) software.
7. Elevation data were recorded as altitude using the Trimble DA2 receiver and then converted to NAVD88. Elevation data were not surveyed and should be considered as approximate.
8. Sediment probing was conducted during Phase 2 in September and October 2024 between T012 and T019 (access not granted by the property owner), between T30 and T32 (Highway 202 culvert confined space), and between T194 and T209 (Quintard Mall culvert confined space).
9. Supplemental sediment probing conducted at and around Phase 1 sediment probing locations where 6 or more inches of sediment were previously measured at individual probing points and that were not identified as sediment deposits (36 locations) confirmed that the Phase 1 measurements were not part of a larger accumulation of sediment.

--: not applicable; no data
*: probe locations that were manually recorded and plotted, and the listed coordinates were extracted using GIS (see Note 6)
◊: supplemental sediment probing location at and around Phase 1 sediment probing location (see Note 9)
#: sediment deposit identified during the Phase 2 field event and not observed during Phase 1
Ø: sediment deposit identified during Phase 1 but not observed during Phase 2
GPS: global positioning system
ID: identification
NAD83: North American Datum of 1983
NAVD88: North American Vertical Datum of 1988
PCB: polychlorinated biphenyl

Table 4-2. Snow Creek Sediment Deposit Summary
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sediment Deposit ID	Transect	Creek Area Designation	Figure Number	Sediment Deposit Description	Area (square yards)	Estimated Average Thickness (inches)	Estimated Volume (cubic yards)
T000-01	T000	Area 1	4-1a	Sand, aggrading bar	24	18	12
T000-02	T000	Area 1	4-1a	Sand and Cobbles with sand, aggrading bar	16	18	8
T000-03	T000	Area 1	4-1a	Sand, channel deposit	29	16	13
T000-04	T000	Area 1	4-1a	Cobbles and sand, aggrading bar	26	10	7
T001-01	T001	Area 1	4-1a	Sand and clay, bank deposit	102	18	51
T003-01	T003	Area 1	4-1a	Clay with sand and silt, bank deposit	3	20	1
T004-01	T004	Area 1	4-1a	Clay, railroad tie, aggrading bar	41	8	9
T005-01	T005	Area 1	4-1a	Clay, aggrading bar	19	19	10
T005-02	T005	Area 1	4-1a	Clay, aggrading bar	82	15	34
T006-01	T006	Area 1	4-1a	Clay with fines, aggrading bar	7	15	3
T007-01	T007	Area 1	4-1a	Clay with gravel, railroad ties and tires, aggrading bar	73	17	35
T008-01	T008	Area 1	4-1a	Fines with sand and gravel, bank deposit	8	8	2
T008-02	T008	Area 1	4-1a	Clay over gravel, debris present, aggrading bar	13	17	6
T008-03	T008	Area 1	4-1b	Fines with sand and gravel, bank deposit	98	27	72
T009-01	T009	Area 1	4-1b	Fines with sand and gravel, bank deposit	76	11	22
T012-01#	T012	Area 1	4-1b	Soft, wet, brown, Sandy silt, abundant organics (roots, twigs, wood chunck (3 inches), no sheen, no odor	16	8	3
T015-01#	T015	Area 1	4-1b	Loose, wet, Silty Gravel, Abundant anthropogenic debris (glass), no sheen, no odor	8	6	1
T019-01	T019	Area 1	4-1c	Cobbles with sand and gravel, riprap, channel deposit	68	6	11
T025-01	T025	Area 2	4-1d	Sand with gravel, railroad tie along bank, aggrading bar	36	36	36
T029-01	T029	Area 2	4-1d	Sand with fines and cobbles, aggrading bar (deposit extends into Highway 202 culvert)	168	36	168
T029-02#	T029	Area 2	4-1e	Highway 202 Culvert - Gravel sand with little fines	272	24	181
T029-03#	T029	Area 2	4-1e	Highway 202 Culvert - Gravel sand with little fines	267	32	237
T029-04#	T029	Area 2	4-1e	Highway 202 Culvert - Sand with gravel	267	34	253
T029-05#	T029	Area 2	4-1e	Highway 202 Culvert - Cobbly sands	251	8	56
T033-01	T033	Area 2	4-1e	Sand with fines and gravel, channel deposit (deposit extends into Highway 202 culvert)	115	26	84
T033-02	T033	Area 2	4-1e	Fines and sand with cobbles, bank deposit	39	11	12
T034-01	T034	Area 2	4-1e	Sand with some fines, bank deposit	66	9	17
T036-01	T036	Area 2	4-1e	Sands with fines, downed tree in deposit, channel deposit	16	5	2
T037-01	T037	Area 2	4-1e	Cobbles with sand gravel, bank deposit	9	11	3
T038-01#	T038	Area 2	4-1f	Loose, moist, silty sand, trace cobble some organics (twigs, roots), no sheen, no odor	43	8	10
T039-01	T039	Area 2	4-1f	Clay and fines, aggrading bar	134	25	94
T040-01	T040	Area 2	4-1f	Gravel with sand and clay, manhole in deposit, aggrading bar	58	12	19
T041-01	T041	Area 2	4-1f	Sand with gravel, aggrading bar	90	12	30
T045-01	T045	Area 2	4-1g	Clay with fines, bank deposit	40	10	11
T047-02	T047	Area 2	4-1g	Sand, channel deposit	4	10	1
T048-01	T048	Area 2	4-1g	Sand over clay, debris, channel deposit	42	11	12
T050-01	T050	Area 3	4-1g	Sands with fines, bank deposit	17	32	15
T051-01	T051	Area 3	4-1g	Gravelly sand and cobbles, channel deposit	5	4	1
T051-02	T051	Area 3	4-1g	Sand, aggrading bar	118	10	33
T055-01	T055	Area 3	4-1h	Sand and cobbles, channel deposit	16	6	3
T076-01	T076	Area 4	4-1k	Fines and debris, bank deposit	6	12	2
T101-01	T101	Area 4	4-1n	Sand with gravel, bank deposit	51	10	14

Table 4-2. Snow Creek Sediment Deposit Summary
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sediment Deposit ID	Transect	Creek Area Designation	Figure Number	Sediment Deposit Description	Area (square yards)	Estimated Average Thickness (inches)	Estimated Volume (cubic yards)
T107-01	T107	Area 4	4-1o	Silty sand with cobbles, downed tree, bank deposit	74	12	25
T109-01	T109	Area 4	4-1o	Fines and clay, bank deposit	22	7	4
T110-01#	T110	Area 4	4-1o	Soft, moist, sandy silt, with organics, no sheen, no odor	21	18	10
T119-01	T119	Area 5A	4-1q	Sand over fines, bank deposit	15	7	3
T123-01	T123	Area 5A	4-1q	Sand with gravel and cobbles, bank deposit	69	5	9
T125-01	T125	Area 5A	4-1r	Fines with cobbles and sand, bank deposit	35	8	8
T127-01	T127	Area 5A	4-1r	Sand with fines, bank deposit	17	13	6
T128-01#	T128	Area 5A	4-1r	Loose, moist, silty sand, some organics (twigs, roots), no sheen, no odor	37	6	6
T133-01	T133	Area 5A	4-1s	Sands with fines, bank deposit	5	7	1
T134-01	T134	Area 5A	4-1s	Fines, bank deposit	5	14	2
T134-02	T134	Area 5A	4-1s	Fines, aggrading bar	56	36	56
T136-01	T136	Area 5A	4-1s	Sand and gravel, deposit extends under bridge, aggrading bar	38	24	25
T137-02	T137	Area 5A	4-1s	Cobbles with sand and gravel, aggrading bar	38	6	6
T138-01	T138	Area 5A	4-1s	Gravels with cobbles and sand, bank deposit	111	15	46
T139-01	T139	Area 5A	4-1s	Cobbles with sand and gravel, channel deposit	143	16	62
T142-01#	T142	Area 5A	4-1t	Loose, moist, silty sand, trace cobble some organics (twigs, roots), no sheen, no odor	43	12	14
T145-01	T145	Area 5A	4-1t	Cobbles with sand and gravel, bank deposit	89	9	21
T149-01	T149	Area 5A	4-1u	Sand and cobbles with gravel, bank deposit	215	11	66
T155-01	T155	Area 5A	4-1v	Sands and gravel, bank deposit	147	6	25
T155-02	T155	Area 5A	4-1v	Cobbles with sand and gravel, bank deposit	226	12	73
T160-01	T160	Area 5A	4-1v	Cobbles with sand and gravel, bank deposit	67	4	7
T160-02	T160	Area 5A	4-1v	Cobbles with sand and gravel, bank deposit	58	18	29
T160-03	T160	Area 5A	4-1v	Cobbles with sand and gravel, channel deposit	16	18	8
T161-01	T161	Area 5A	4-1v	Cobbles with sand and gravel, channel deposit	46	15	19
T161-02	T161	Area 5A	4-1w	Sand with cobbles and gravel, bank deposit	1,889	21	1,076
T166-01	T166	Area 5A	4-1w, 4-1x	Fines over cobbles and sand, bank deposit	546	17	258
T170-01	T170	Area 5A	4-1x	Fines, bank deposit	202	15	84
T170-02	T170	Area 5A	4-1x	Fines and cobbles, bank deposit	43	20	24
T171-01	T171	Area 5A	4-1x	Clay and fines, bank deposit	126	14	49
T172-01	T172	Area 5A	4-1x	Fines with sand and cobbles, bank deposit	65	14	24
T174-02	T174	Area 5A	4-1x	Cobbles with sand, channel deposit	29	8	7
T174-04#	T174	Area 5A	4-1x	Cobbles with sand, channel deposit	42	14	17
T180-01	T180	Area 5A	4-1y	Gravel with sand and cobbles, bank deposit	453	7	88
T188-01	T188	Area 5A	4-1z	Sand and gravel, channel deposit	32	22	19
T190-01	T190	Area 5A	4-1z	Sand with gravel, bank deposit	57	19	30
T195-01#	T195	Area 5B	4-1aa	Quintard Mall Culvert - Cobbles with gravel and sand	1,447	36	1,447
T197-01#	T197	Area 5B	4-1aa	Quintard Mall Culvert - Cobbles with gravel and sand	67	19	35
T197-02#	T197	Area 5B	4-1aa	Quintard Mall Culvert - Cobbles with gravel and sand	29	19	15
T198-01#	T198	Area 5B	4-1bb	Quintard Mall Culvert - Cobbles with gravel and sand	793	36	793
T200-01#	T200	Area 5B	4-1bb	Quintard Mall Culvert - Gravel and sand	848	13	306
T201-01#	T201	Area 5B	4-1bb	Quintard Mall Culvert - Cobbles with gravel and sand	94	21	55
T202-01#	T202	Area 5B	4-1bb	Quintard Mall Culvert - Cobbles with gravel and sand	1,137	26	821

Table 4-2. Snow Creek Sediment Deposit Summary
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sediment Deposit ID	Transect	Creek Area Designation	Figure Number	Sediment Deposit Description	Area (square yards)	Estimated Average Thickness (inches)	Estimated Volume (cubic yards)
T204-01#	T204	Area 5B	4-1bb	Quintard Mall Culvert - Cobbles with gravel and sand	836	36	836
T205-01#	T205	Area 5B	4-1bb	Quintard Mall Culvert - Gravel and sand	50	36	50
T206-01#	T206	Area 5B	4-1cc	Quintard Mall Culvert - Gravel and sand	316	36	316
T207-01#	T207	Area 5B	4-1cc	Quintard Mall Culvert - Cobbles with gravel and sand	354	36	354
T208-01#	T208	Area 5B	4-1cc	Quintard Mall Culvert (riprap section) - Cobbles with gravel and sand	398	12	133
T208-02#	T208	Area 5B	4-1cc	Quintard Mall Culvert (riprap section) - Cobbles with gravel and sand	377	2	21
T209-01	T209	Area 5C	4-1cc	Sand with cobbles and gravel, aggrading bar	43	8	10
T210-01	T210	Area 5C	4-1cc	Sand and gravel with cobbles, aggrading bar	75	12	24

Notes:
1. The sediment deposits summarized in this table are based on PDI sediment probing conducted during November 2023 (Phase 1) and September/October 2024 (Phase 2).
2. As described in Section 3.3.2.2 of the June 2022 OU-1/OU-2 PDI Work Plan, depositional areas with sediment penetrable with the probe rod by at least 4 inches and were at least 50 square feet in area were considered sediment deposits.
3. Figures 4-1a through 4-1cc show the locations and extents of the sediment deposits identified during the PDI probing.
4:. Six sediment deposits were identified during Phase 1, but were not observed during Phase 2 (deposits T047-01, T064-01, T064-02, T137-01, T174-01, and T174-03).
#: Sediment deposit identified during the Phase 2 field event and not observed during Phase 1.
ID: identification
OU: Operable Unit

Table 4-3. Snow Creek Sediment Characterization Areas
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Snow Creek Area Designation	Transect Range	General Description	Number of PDI Sediment Deposits	Estimated Total Sediment Volume (cubic yards)
1	T00 to T25	From the 11th Street Ditch to West 9th Street Bridge	18	302
2	T25 to T51	From the West 9th Street Bridge to the Railroad Bridge at the southwest corner of Calhoun County Jail	18	1,227
3	T51 to T70	From the southwest corner of Calhoun County Jail to the end of the concrete spillway	4	51
4	T70 to T110	From the end of the concrete spillway to downstream of the Sandy Lumber Company property	5	55
5A[1]	T110 to T194	From downstream of the Sandy Lumber Company property to upstream of Quintard Mall culvert	29	2,169
5B[1]	T194 to T209	Quintard Mall culvert	13	5,183
5C[1]	T209 to T210	From downstream of the Quintard Mall culvert to Highway 78	2	33

Note:

1. Area 5 was segmented into three separate subreaches to avoid confusion with Area 6, which was characterized as part of the 1999 Resource Conservation and Recovery Act Facility Investigation and is located in OU-4 downstream of Highway 78.
2. The sediment deposits and estimated total volumes summarized in this table are based on PDI sediment probing conducted during November 2023 (Phase 1) and September/October 2024 (Phase 2).

PCB: polychlorinated biphenyl

PDI: predesign investigation

Table 4-4. Snow Creek Reconnaissance Obervations
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Observation ID	Creek Area Designation	Transect ID	Figure Number	Date	Easting	Northing	Observation Description
X-3-1	Area 1	T003-00	4-1a	2023-11-06	652959.9	1148849.6	Metal Pipe (12-inch), Spanning Creek, West Bank
X-3-2	Area 1	T003-00	4-1a	2023-11-06	652965.4	1148873.3	Metal Pipe (12-inch), Spanning Creek, East Bank
X-5-1	Area 1	T005-00	4-1a	2023-11-07	653120.8	1148769.6	Former Wooden Bridge Abutment, East Bank
X-5-2	Area 1	T005-00	4-1a	2023-11-07	653139.6	1148737.8	Slope Failure, West Bank
X-6-1	Area 1	T006-00	4-1a	2023-11-07	653210.0	1148757.6	Collapsed Bank, Debris Pile
X-24-1	Area 1	T024-00	4-1d	2023-11-07	654748.6	1148190.7	Concrete Pad (23-inch square), West Bank
X-24-2	Area 1	T024-00	4-1d	2023-11-07	654774.5	1148169.9	Concrete Manhole, West Bank
X-24-3	Area 1	T024-00	4-1d	2023-11-07	654808.4	1148178.2	Two Metal Culverts (40-inch) beneath Railroad Embankment, East Bank
X-26-1	Area 2	T026-00	4-1d	2023-11-08	654870.3	1148001.1	Foundry Slag
X-33-1	Area 2	T033-00	4-1e	2023-11-13	654955.7	1147415.9	Southern Embankment of Highway 202
X-36-1	Area 2	T036-00	4-1e	2023-11-08	654918.7	1147005.9	Drainage Swale (Natural), West Bank
X-39-1	Area 2	T039-00	4-1f	2023-11-08	655014.1	1146806.2	Debris Pile
X-39-2	Area 2	T039-00	4-1f	2023-11-08	655045.0	1146836.4	Pipe (24-inch), East Bank
X-40-1	Area 2	T040-00	4-1f	2023-11-08	655102.7	1146765.6	Slope Sloughing, West Bank
X-45-1	Area 2	T045-00	4-1f	2023-11-09	655571.2	1146595.4	Metal Outfall Pipe (24-inch), East Bank
X-46-1	Area 2	T046-00	4-1g	2023-11-09	655692.2	1146483.7	Concrete Outfall Pipe (24-inch), West Bank
X-46-2	Area 2	T046-00	4-1g	2023-11-09	655695.2	1146512.9	Concrete Manhole, East Bank
X-46-3	Area 2	T046-00	4-1g	2023-11-09	655699.2	1146505.1	Concrete Weir (30-inch), Spanning Creek, East Bank
X-46-4	Area 2	T046-00	4-1g	2023-11-09	655701.5	1146485.0	Concrete Weir (30-inch), Spanning Creek, West Bank
X-47-1	Area 2	T047-00	4-1g	2023-11-09	655700.5	1146474.9	Concrete Manhole, West Bank
X-48-1	Area 2	T048-00	4-1g	2023-11-09	655870.1	1146386.4	Drums Staged at top of West Bank
X-53-1	Area 3	T053-00	4-1h	2023-11-09	656324.5	1146207.3	Abandoned Inflow structure in Concrete Wall (24-inch) (filled with concrete)
X-53-2	Area 3	T053-00	4-1h	2023-11-09	656541.1	1146093.3	Debris under Bridge
X-57-1	Area 3	T057-00	4-1h	2023-11-10	656653.1	1146048.8	Tributary Entrance along East Bank
X-60-1	Area 3	T060-00	4-1h	2023-11-10	656687.4	1145770.0	Metal Pipe Outfall (20-inch) in Concrete Wall, West Bank
X-66-1	Area 3	T066-00	4-1i	2023-11-10	656814.8	1145223.1	Metal Pipe (12-inch) in Concrete Wall, West Bank
X-66-2	Area 3	T066-00	4-1i	2023-11-10	656826.5	1145179.6	Two Concrete Outfall Pipes (36-inch) in Concrete Wall, West Bank
X-66-3	Area 3	T066-00	4-1i	2023-11-10	656830.1	1145165.8	Cast Iron Pipe (10-inch) in Concrete Wall, West Bank
X-66-4	Area 3	T066-00	4-1i	2023-11-10	656844.9	1145200.0	Ceramic Pipe (12-inch) in Concrete Wall, East Bank
X-73-1	Area 4	T073-00	4-1j	2023-11-20	656937.6	1144563.5	Two Concrete Pipes (36-inch), West Bank
X-75-1	Area 4	T075-00	4-1k	2023-11-20	657014.8	1144339.2	Two Steel Pipes (36-inch), East Bank
X-76-1	Area 4	T076-00	4-1k	2023-11-20	657000.7	1144244.4	Concrete Pipe (12-inch), West Bank
X-77-1	Area 4	T077-00	4-1k	2023-11-20	657034.2	1144127.0	Debris Pile, Downed Tree
X-77-2	Area 4	T077-00	4-1k	2023-11-20	657046.4	1144115.8	Metal Pipe (1-foot), Downed Tree, East Bank
X-81-1	Area 4	T081-00	4-1k	2023-11-20	657110.1	1143730.9	Square Culvert/Inlet (Concrete and Metal), Noticeable Sheen In and Around Culvert, East Bank
X-98-1	Area 4	T098-00	4-1n	2023-11-20	657374.3	1142086.5	Concrete Manhole, West Bank
X-98-2	Area 4	T098-00	4-1n	2023-11-20	657403.6	1142089.9	Concrete and Brick Manhole, East Bank
X-100-1	Area 4	T100-00	4-1n	2023-11-20	657394.1	1141899.6	Corrugated Steel Culvert Pipe (48-inch), West Bank
X-114-1	Area 5	T114-00	4-1p	2023-11-13	657520.5	1140480.2	Chunk of Concrete (3-foot)
X-121-1	Area 5	T121-00	4-1q	2023-11-13	657443.4	1139810.5	Concrete Slab, West Bank

Table 4-4. Snow Creek Reconnaissance Obervations
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Observation ID	Creek Area Designation	Transect ID	Figure Number	Date	Easting	Northing	Observation Description
X-126-1	Area 5	T126-00	4-1r	2023-11-13	657378.5	1139270.2	PVC Pipe (4-inch), West Bank
X-128-1	Area 5	T128-00	4-1r	2023-11-13	657364.3	1139072.0	Unlined Swale, West Bank
X-131-1	Area 5	T131-00	4-1r	2023-11-13	657336.5	1138830.2	Concrete Outfall Pipe (42-inch), West Bank
X-134-1	Area 5	T134-00	4-1s	2023-11-13	657311.1	1138560.5	Metal Pipe (3-inch), West Bank
X-134-2	Area 5	T134-00	4-1s	2023-11-13	657312.2	1138566.9	Concrete Outfall Pipe (2-foot) along West Bank
X-141-1	Area 5	T141-00	4-1t	2023-11-15	657659.9	1137955.9	Concrete Culvert/Inlet Structure (5 feet by 10 feet), East Bank
X-144-1	Area 5	T144-00	4-1t	2023-11-15	657741.3	1137706.9	Concrete Culvert/Inlet Structure (4 feet by 5 feet), East Bank
X-146-1	Area 5	T146-00	4-1t	2023-11-15	657724.7	1137487.9	Cast Iron Pipe (12-inch) Spanning Creek
X-151-1	Area 5	T151-00	4-1u	2023-11-15	657608.0	1137002.3	Metal Pipe (10-inch) Extending from Top of East Bank
X-152-1	Area 5	T152-00	4-1u	2023-11-15	657558.5	1136975.3	Iron Pipe (10-inch) Extending down West Bank
X-153-1	Area 5	T153-00	4-1u	2023-11-15	657552.5	1136861.0	Steel Pipe (10-inch) Extending from Top of East Bank
X-160-1	Area 5	T160-00	4-1v	2023-11-21	657217.4	1136211.1	Soil Pile
X-162-1	Area 5	T162-00	4-1w	2023-11-14	657177.8	1136029.0	Stone Wall with Metal Outfall Pipe, West Bank
X-162-2	Area 5	T162-00	4-1w	2023-11-14	657182.7	1136038.0	Stone Wall with Metal Outfall Pipe (6-inch), West Bank
X-162-3	Area 5	T162-00	4-1w	2023-11-14	657187.0	1136057.2	Stone Wall with Metal Outfall Pipe (10-inch), West Bank
X-164-1	Area 5	T164-00	4-1w	2023-11-14	657232.0	1135831.8	Unlined Swale, East Bank
X-173-1	Area 5	T173-00	4-1x	2023-11-14	657604.2	1135047.2	Concrete Bell-Spigot Piping (24-inch) along Western Shore, Partially Buried, Partially Separated
X-184-1	Area 5	T184-00	4-1z	2023-11-14	658203.7	1134134.8	Concrete Outfall Pipe (30-inch), West Bank
X-209-1	Area 5c	T209-00	4-1cc	2023-11-16	658847.5	1131863.3	Concrete Pipe (24-inch), Spanning Creek
X-209-2	Area 5c	T209-00	4-1cc	2023-11-16	658889.3	1131883.5	Concrete Pipe (24-inch), Spanning Creek

Notes:
1. The items summarized in this table are based on field reconnaissance observations during the Phase 1 sediment probing conducted in November 2023.
2. Figures 4-1a through 4-1cc show the documented locations of the field reconnaissance observations identified during the Phase 1 probing.

ID: identification
PCB: polychlorinated biphenyl
PVC: polyvinyl chloride

Table 4-5. Snow Creek Sediment Sampling Summary
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Snow Creek Area Designation	Sediment Sample ID	Sample Type	Sediment Deposit	Estimated Deposit Volume (cy)	Transect	Figure Number	Analytical Parameters[3]
Area 1 [T00 to T25]	SED-101	Full-depth grab sample	Deposit T000-01	12	T000	4-2a	PCBs, TOC
	SED-102	Full-depth grab sample	Deposit T000-02	8	T000	4-2a	PCBs, TOC
	SED-103	Full-depth grab sample	Deposit T000-03	13	T000	4-2a	PCBs, TOC
	SED-104	Full-depth grab sample	Deposit T000-04	7	T000	4-2a	PCBs, TOC
	SED-105	Composite sample from five full-depth subsamples	Deposit T001-01	51	T001	4-2a	PCBs, TOC
	SED-106	Composite sample from full-depth subsamples collected from Deposits T003-01 (SED-106A) and T006-01 (SED-106B)	Deposit T003-01	1	T003	4-2a	PCBs, TOC
			Deposit T006-01	3	T006	4-2a	
	SED-107	Full-depth grab sample	Deposit T004-01	9	T004	4-2a	PCBs, TOC
	SED-108	Full-depth grab sample	Deposit T005-01	10	T005	4-2a	PCBs, TOC
	SED-109	Full-depth grab sample	Deposit T005-02	34	T005	4-2a	PCBs, TOC
	SED-110	Full-depth grab sample	Deposit T007-01	35	T007	4-2a	PCBs, TOC
	SED-111	Full-depth grab sample	Deposit T008-01	2	T008	4-2a	PCBs, TOC
	SED-112	Full-depth grab sample	Deposit T008-02	6	T008	4-2a	PCBs, TOC
	SED-113	Composite sample from five full-depth subsamples (Duplicate Sample SED-QC-DUP-240924)	Deposit T008-03	72	T008	4-2b	PCBs, TOC
	SED-114	Full-depth grab sample	Deposit T009-01	22	T009	4-2b	PCBs, TOC
	SED-115	Full-depth grab sample	Deposit T019-01	11	T019	4-2c	PCBs, TOC
	SED-116	Full-depth grab sample	Deposit T012-01	3	T012	4-2b	PCBs, TOC
	SED-117	Full-depth grab sample	Deposit T015-01	1	T015	4-2b	PCBs, TOC
Area 2 [T25 to T51]	SED-201	Full-depth grab sample	Deposit T025-01	36	T025	4-2d	PCBs, TOC
	SED-202	Composite sample from five full-depth subsamples	Deposit T029-01	168	T029	4-2d	PCBs, TOC
	SED-203	Composite sample from five full-depth subsamples - HWY 202	Deposit T029-02	181	T029	4-2e	PCBs, TOC
	SED-204	Composite sample from five full-depth subsamples - HWY 202	Deposit T029-03	237	T029	4-2e	PCBs, TOC
	SED-205	Composite sample from five full-depth subsamples - HWY 202	Deposit T029-04	253	T029	4-2e	PCBs, TOC
	SED-206	Composite sample from five full-depth subsamples - HWY 202	Deposit T029-05	56	T029	4-2e	PCBs, TOC
	SED-208	Composite sample from five full-depth subsamples	Deposit T033-01	84	T033	4-2e	PCBs, TOC
	SED-209	Full-depth grab sample	Deposit T033-02	12	T033	4-2e	PCBs, TOC
	SED-210	Full-depth grab sample	Deposit T034-01	17	T034	4-2e	PCBs, TOC
	SED-211	Composite sample from full-depth subsamples collected from Deposits T036-01 (SED-211A) and T037-01 (SED-211B)	Deposit T036-01	2	T036	4-2e	PCBs, TOC
			Deposit T037-01	3	T037	4-2e	
	SED-219	Full-depth grab sample	Deposit T038-01	10	T038	4-2e	PCBs, TOC
	SED-212	Composite sample from five full-depth subsamples	Deposit T039-01	94	T039	4-2f	PCBs, TOC
	SED-213	Full-depth grab sample	Deposit T040-01	19	T040	4-2f	PCBs, TOC
	SED-214	Full-depth grab sample	Deposit T041-01	30	T041	4-2f	PCBs, TOC
	SED-215	Full-depth grab sample	Deposit T045-01	11	T045	4-2g	PCBs, TOC
	SED-216	Full-depth grab sample	Deposit T047-02	1	T047	4-2g	PCBs, TOC
	SED-217	Full-depth grab sample	Deposit T048-01	12	T048	4-2g	PCBs, TOC
Area 3 [T51 to T70]	SED-218	Full-depth grab sample	Deposit T050-01	15	T050	4-2g	PCBs, TOC
	SED-301	Full-depth grab sample	Deposit T051-01	1	T051	4-2g	PCBs, TOC
	SED-302	Full-depth grab sample	Deposit T051-02	33	T051	4-2g	PCBs, TOC
	SED-303	Full-depth grab sample	Deposit T055-01	3	T055	4-2h	PCBs, TOC

Table 4-5. Snow Creek Sediment Sampling Summary
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Snow Creek Area Designation	Sediment Sample ID	Sample Type	Sediment Deposit	Estimated Deposit Volume (cy)	Transect	Figure Number	Analytical Parameters[3]
Area 4 [T70 to T110]	SED-401	Full-depth grab sample	Deposit T076-01	2	T076	4-2k	PCBs, TOC, Metals[2]
	SED-402	Full-depth grab sample	Deposit T101-01	14	T101	4-2n	PCBs, TOC
	SED-403	Full-depth grab sample	Deposit T107-01	25	T107	4-2o	PCBs, TOC, Metals[2]
	SED-404	Full-depth grab sample	Deposit T109-01	4	T109	4-2o	PCBs, TOC
	SED-405	Full-depth grab sample	Deposit T110-01	10	T110	4-2p	PCBs, TOC
Area 5A [T110 to T194]	SED-501	Full-depth grab sample	Deposit T119-01	3	T119	4-2q	PCBs
	SED-502	Full-depth grab sample	Deposit T123-01	9	T123	4-2q	PCBs, TOC
	SED-503	Full-depth grab sample	Deposit T125-01	8	T125	4-2r	PCBs, TOC
	SED-504	Full-depth grab sample	Deposit T127-01	6	T127	4-2r	PCBs, TOC
	SED-539	Full-depth grab sample (Duplicate sample SED-QC-DUP-241001-01)	Deposit T128-01	6	T129	4-2r	PCBs, TOC
	SED-505	Composite sample from full-depth subsamples collected from Deposits T133-01 (SED-505A) and T134-01 (SED-505B)	Deposit T133-01	1	T133	4-2s	PCBs, TOC, Metals[2]
			Deposit T134-01	2	T134	4-2s	
	SED-506	Full-depth grab sample	Deposit T134-02	56	T134	4-2s	PCBs, TOC, Metals[2]
	SED-507	Composite sample from full-depth subsamples collected from Deposits T136-01 (SED-507A) and T137-02 (SED-507B) (Duplicate Sample SED-QC-DUP01-20241029)	Deposit T136-01	25	T136	4-2s	PCBs, TOC, Metals[2]
			Deposit T137-02	6	T137	4-2s	PCBs, TOC, Metals[2]
	SED-509	Full-depth grab sample	Deposit T138-01	46	T138	4-2s	PCBs, TOC, Metals[2]
	SED-510	Composite sample from five full-depth subsamples	Deposit T139-01	62	T139	4-2s	PCBs, TOC, Metals[2]
	SED-541	Full-depth grab sample	Deposit T142-01	14	T142	4-2t	PCBs, TOC, Metals[2]
	SED-511	Full-depth grab sample	Deposit T145-01	21	T145	4-2t	PCBs, TOC, Metals[2]
	SED-512	Composite sample from five full-depth subsamples	Deposit T149-01	66	T149	4-2u	PCBs, TOC, Metals[2]
	SED-513	Full-depth grab sample	Deposit T155-01	25	T154	4-2v	PCBs, TOC, Metals[2]
	SED-514	Composite sample from five full-depth subsamples	Deposit T155-02	73	T155	4-2v	PCBs, TOC, Metals[2]
	SED-515	Composite sample from full-depth subsamples collected from Deposits T160-01 (SED-515A) and T160-02 (SED-515B)	Deposit T160-01	7	T160	4-2v	PCBs, TOC, Metals[2]
			Deposit T160-02	29	T160	4-2v	
	SED-516	Full-depth grab sample	Deposit T160-03	8	T160	4-2v	PCBs, TOC, Metals[2]
	SED-517	Full-depth grab sample	Deposit T161-01	19	T161	4-2v	PCBs, TOC, Metals[2]
	SED-518	Composite sample from five full-depth subsamples between T162 and	Deposit T161-02	1,076	T161	4-2w	PCBs, TOC, Metals[2]
	SED-519	Composite sample from five full-depth subsamples between T163 and T164				4-2w	PCBs, TOC, Metals[2]
	SED-520	Composite sample from five full-depth subsamples between T164 and				4-2w	PCBs, TOC, Metals[2]
	SED-521	Composite sample from five full-depth subsamples between T165 and				4-2w	PCBs, TOC, Metals[2]
	SED-522	Composite sample from five full-depth subsamples between T166 and				4-2w	PCBs, TOC, Metals[2]
	SED-523	Composite sample from five full-depth subsamples	Deposit T166-01	258	T166	4-2w	PCBs, TOC, Metals[2]
	SED-542	Full-depth grab sample Split 166-01 deposit in half	Deposit T166-01			4-2w	PCBs, TOC, Metals[2]
	SED-524	Composite sample from five full-depth subsamples	Deposit T170-01	84	T170	4-2x	PCBs, TOC, Metals[2]
			Deposit T170-02	24	T170	4-2x	
	SED-525	Full-depth grab sample	Deposit T171-01	49	T171	4-2x	PCBs, TOC, Metals[2]
	SED-526	Full-depth grab sample	Deposit T172-01	24	T172	4-2x	PCBs, TOC, Metals[2]
	SED-528	Full-depth grab sample (Duplicate sample SED-QC-DUP-241001-02)	Deposit T174-02	7	T174	4-2x	PCBs, TOC, Metals[2]
	SED-540	Full-depth grab sample	Deposit T174-04	17	T174	4-2x	PCBs, TOC, Metals[2]
	SED-530	Composite sample from five full-depth subsamples	Deposit T180-01	88	T180	4-2y	PCBs, TOC, Metals[2]
	SED-531	Full-depth grab sample	Deposit T188-01	19	T188	4-2z	PCBs, TOC, Metals[2]
	SED-532	Full-depth grab sample	Deposit T190-01	30	T190	4-2z	PCBs, TOC, Metals[2]

Table 4-5. Snow Creek Sediment Sampling Summary
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Snow Creek Area Designation	Sediment Sample ID	Sample Type	Sediment Deposit	Estimated Deposit Volume (cy)	Transect	Figure Number	Analytical Parameters[3]
Area 5B [T194 to T209]	SED-533	Composite sample from five full-depth subsamples between T195 and T200 - Quintard Mall Culvert - Upstream	Deposit T195-01	1,447	T195	4-2aa	PCBs, TOC, Metals[2]
			Deposit T197-01	35	T197		
			Deposit T197-02	15	T197		
			DepositT198-01	793	T198		
	SED-534	Composite sample from five full-depth subsamples between T200 and T205 - Quintard Mall Culvert - Middle (Duplicate Sample SED-QC-DUP01-20241015)	Deposit T200-01	306	T200	4-2bb	PCBs, TOC, Metals[2]
			Deposit T201-01	55	T201		
			Deposit T202-01	821	T202		
			Deposit T204-01	836	T204		
	SED-535	Composite sample from five full-depth subsamples between T205 and T208 - Quintard Mall Culvert - Downstream	Deposit T205-01	50	T205	4-2cc	PCBs, TOC, Metals[2]
			Deposit T206-01	316	T206		
			Deposit T207-01	354	T207		
	SED-538	Composite sample from five full-depth subsamples between T285 and T209 - Quintard Mall Culvert - RipRap	Deposit T208-01	133	T208	4-2cc	PCBs, TOC, Metals[2]
			Deposit T208-02	21	T208		
Area 5C [T209 to T210]	SED-536	Full-depth grab sample	Deposit T209-01	10	T209	4-2cc	PCBs, TOC, Metals[2]
	SED-537	Full-depth grab sample	Deposit T210-01	24	T210	4-2cc	PCBs, TOC, Metals[2]

Notes:
1. Figures 4-2a through 4-2cc show the sediment sampling locations.
2. Sediment samples collected downstream of Transect 130 and samples SED-401 and SED-403 were analyzed for the following metals: barium, total chromium, cobalt, lead, manganese, mercury, nickel, and vanadium.

PCB: polychlorinated biphenyl
TOC: total organic carbon

Table 4-6. Sediment Sample Analytical Results: TOC and PCBs
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sediment Deposit ID	Sample ID	Sample Date	Sample Depth	TOC	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCB, Aroclor specific
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area 1 - Transects T00 to T25														
SED-101	T000-01	SED-101-0.0-1.0-20241028	10/28/2024	0 - 1 ft	3100	0.02 U	0.76	0.017 U	0.017 U	2.2	0.77 J	0.33 J	0.17	**4.23 J**
SED-102	T000-02	SED-102-0.0-1.0-20241028	10/28/2024	0 - 1 ft	31000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.24	0.098	0.07	0.408
SED-103	T000-03	SED-103-0.0-1.0-20241028	10/28/2024	0 - 1 ft	5500	0.02 U	12 J	0.017 U	0.017 U	60 J	41 J	14 J	4.4 J	**131.4 J**
SED-104	T000-04	SED-104-0.0-1.1-20241028	10/28/2024	0 - 1 ft	44000	0.02 U	0.17 J	0.017 U	0.017 U	1.7 J	3.6 J	1.6 J	0.58 J	**7.65 J**
SED-105	T001-01	SED-105-0.0-2.2-240923	9/23/2024	0 - 2.2 ft	39000 J	0.02 U	11	0.017 U	0.017 U	13	14	7.5	2.9	**48.4**
SED-106	T003-01, T006-01	SED-106-0.0-1.2-240923	9/23/2024	0 - 1.2 ft	33000 J	0.02 U	0.67 J	0.017 U	0.017 U	2.9	4.3	1.9	0.83	**10.6 J**
SED-107	T004-01	SED-107-0.0-0.6-240923	9/23/2024	0 - 0.6 ft	33000 J	0.02 U	0.017 U	0.017 U	0.017 U	4.8	5.8	2.9	1.2	**14.7**
SED-108	T005-01	SED-108-0.0-1.1-240923	9/23/2024	0 - 1.1 ft	37000 J	0.02 U	0.19 J	0.017 U	0.017 U	1.5	1.8	0.96	0.48 J	**0.017 UJ**
SED-109	T005-02	SED-109-0.0-1.0-240923	9/23/2024	0 - 1 ft	26000 J	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	45	26	11	**82**
SED-110	T007-01	SED-110-0.0-1.0-240924	9/24/2024	0 - 1 ft	17000 J	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	2.5	1.3	0.55 J	**4.35 J**
SED-111	T008-01	SED-111-0.0-0.9-240924	9/24/2024	0 - 0.9 ft	17000 J	0.02 U	0.23	0.017 U	0.017 U	1.6	2	0.98	0.48 J	**5.29 J**
SED-112	T008-02	SED-112-0.0-0.8-240924	9/24/2024	0 - 0.8 ft	23000 J	0.087 U	0.087 U	0.087 U	0.087 U	0.087 U	2.8	1.5	0.59	**4.89**
SED-113	T008-03	SED-113-0.0-1.3-240924	9/24/2024	0 - 1.3 ft	21000 J	0.02 U	0.67 J	0.017 U	0.017 U	1.6	1.8	1	0.52 J	**5.59 J**
SED-113	T008-03	SED-QC-DUP-240924	9/24/2024	0 - 1.3 ft	20000 J	0.02 U	0.68 J	0.017 U	0.017 U	2.1	2.4	1.3	0.59 J	**7.07 J**
SED-114	T009-01	SED-114-0.0-1.4-240924	9/24/2024	0 - 1.4 ft	24000 J	0.02 U	0.39 J	0.017 U	0.017 U	1.8	2.9	1.3	0.56 J	**6.95 J**
SED-115	T019-01	SED-115-0.0-0.5-240924	9/24/2024	0 - 0.5 ft	31000 J	0.02 U	0.13 J	0.017 U	0.017 U	0.88	1.6	0.79	0.39 J	**3.79 J**
SED-116	T012-01	SED-116-0.0-0.7-240924	9/24/2024	0 - 0.7 ft	17000 J	0.02 U	0.96	0.017 U	0.017 U	0.071 U	1.7	0.84	0.4 J	**3.9 J**
SED-117	T015-01	SED-117-0.0-0.5-240924	9/24/2024	0 - 0.5 ft	56000 J	0.02 U	0.066 J	0.017 U	0.017 U	0.017 U	0.26 J	0.12 J	0.052 J	0.017 UJ
Area 2 - Transects T25 to T51														
SED-201	T025-01	SED-201-0.0-0.5-240923	9/23/2024	0 - 0.5 ft	3500 J	0.02 U	0.14	0.017 U	0.017 U	0.017 U	0.22	0.07	0.025	0.455
SED-202	T029-01	SED-202-0.0-2.0-20241014	10/14/2024	0 - 2 ft	20000 J	0.022 U	0.23 J	0.019 U	0.019 U	2.4	4.8	2.4	0.59	**10.42 J**
SED-203	T029-02	SED-203-0.0-2.5-20241014	10/14/2024	0 - 2.5 ft	9400 J	0.024 U	0.58 J	0.021 U	0.021 U	1.1	1.7	0.63	0.32 J	**4.33 J**
SED-204	T029-03	SED-204-0.0-2.5-20241014	10/14/2024	0 - 2.5 ft	16000 J	0.032 U	0.53 J	0.027 U	0.027 U	5	7.9	5.9	3.2	**22.53 J**
SED-205	T029-04	SED-205-0.0-2.0-20241014	10/14/2024	0 - 2 ft	32000 J	0.026 U	1.6	0.022 U	0.022 U	3.7	4.3	2.6	0.74	**12.94**
SED-206	T029-05	SED-206-0.0-2.5-20241014	10/14/2024	0 - 2.5 ft	9700 J	0.021 U	0.17 J	0.018 U	0.018 U	1.3	1.8	0.7	0.32 J	**4.29 J**
SED-208	T033-01	SED-208-0.0-2.75-20241014	10/14/2024	0 - 2.75 ft	16000 J	0.025 U	0.57 J	0.021 U	0.021 U	3.7	5.1	2.6	1.4	**13.37 J**
SED-209	T033-02	SED-209-0.0-0.9-20240930	9/30/2024	0 - 0.9 ft	35000 J	0.02 U	0.17 J	0.017 U	0.017 U	2	3.9	2	0.9	**8.97 J**
SED-210	T034-01	SED-210-0.0-2.5-20240930	9/30/2024	0 - 2.5 ft	17000	0.02 U	1.1	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	1.1
SED-211	T036-01, T037-01	SED-211-0.0-0.9-20240930	9/30/2024	0 - 0.9 ft	7000	0.02 U	0.058	0.017 U	0.017 U	0.49	0.76	0.37	0.14	1.818
SED-212	T039-01	SED-212-0.0-1.8-240924	9/24/2024	0 - 1.8 ft	23000 J	0.02 U	0.13 J	0.017 U	0.017 U	1.8	3.7	2	0.95	**8.58 J**
SED-213	T040-01	SED-213-0.0-1.3-20240930	9/30/2024	0 - 1.3 ft	11000	0.02 U	0.11 J	0.017 U	0.017 U	0.017 U	0.98	0.51	0.28 J	1.88 J
SED-214	T041-01	SED-214-0.0-1.8-20240930	9/30/2024	0 - 1.8 ft	16000	0.02 U	0.17 J	0.017 U	0.017 U	1.8	3.3	1.6	0.52	**7.39 J**
SED-215	T045-01	SED-215-0.0-1.3-240924	9/24/2024	0 - 1.3 ft	18000 J	0.02 U	0.19 J	0.017 U	0.017 U	0.91	1.7	1.1	0.44 J	**4.34 J**
SED-216	T047-02	SED-216-0.0-0.5-240924	9/24/2024	0 - 0.5 ft	3800 J	0.02 U	0.08	0.017 U	0.017 U	0.017 U	0.85	0.4	0.13	1.46
SED-217	T048-01	SED-217-0.0-0.5-240924	9/24/2024	0 - 0.5 ft	NS	0.02 U	1.9	0.017 U	0.017 U	9.6	8.4	4.8	1.8	**26.5**
SED-218	T050-01	SED-218-0.0-0.9-20241028	10/28/2024	0 - 0.9 ft	7600	0.02 U	0.24 J	0.017 U	0.017 U	0.017 U	0.61 J	0.62 J	0.44 J	1.91 J
SED-219	T038-01	SED-219-0.0-0.7-20240930	9/30/2024	0 - 0.7 ft	19000	0.02 U	0.14 J	0.017 U	0.017 U	2.8	5.4	2.3	0.93	**11.57 J**

Table 4-6. Sediment Sample Analytical Results: TOC and PCBs
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sediment Deposit ID	Sample ID	Sample Date	Sample Depth	TOC	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCB, Aroclor specific
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area 3 - Transects T51 to T70														
SED-301	T051-01	SED-301-0.0-1.0-20241028	10/28/2024	0 - 1 ft	36000	0.02 U	0.49 J	0.017 U	0.017 U	2.3 J	3.2 J	1.1 J	0.55 J	**7.64 J**
SED-302	T051-02	SED-302-0.0-2.1-20241028	10/28/2024	0 - 2.1 ft	8800	0.02 U	0.11 J	0.017 U	0.017 U	0.017 U	2.8 J	1.5 J	0.56 J	**4.97 J**
SED-303	T055-01	SED-303-0.0-0.5-240924	9/24/2024	0 - 0.5 ft	12000 J	0.02 U	0.049	0.017 U	0.017 U	0.26	0.41	0.12	0.031	0.87
Area 4 - Transects T70 to T110														
SED-401	T076-01	SED-401-0.0-1.8-20241028	10/28/2024	0 - 1.5 ft	13000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.45	0.41	0.15	1.01
SED-402	T101-01	SED-402-0.0-0.4-20241001	10/1/2024	0 - 0.4 ft	11000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.047	0.017 U	0.047
SED-403	T107-01	SED-403-0.0-1.0-20241029	10/29/2024	0 - 1 ft	18000	0.02 U	0.047 J	0.017 U	0.017 U	0.017 U	1 J	0.57 J	0.26 J	1.877 J
SED-404	T109-01	SED-404-0.0-0.8-20241001	10/1/2024	0 - 0.8 ft	NS	0.02 U	0.15	0.017 U	0.017 U	1.1	1.5	0.47	0.17	**3.39**
SED-405	T110-01	SED-405-0.0-0.4-20241001	10/1/2024	0 - 0.4 ft	24000	0.02 U	0.12	0.017 U	0.017 U	0.3	0.37	0.21	0.072	1.072
Area 5A - Transects T110 to T194														
SED-501	T119-01	SED-501-0.0-0.5-20241001	10/1/2024	0 - 0.5 ft	NS	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.3	0.097	0.397
SED-502	T123-01	SED-502-0.0-0.4-20241001	10/1/2024	0 - 0.4 ft	3900	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.35	0.24	0.096	0.686
SED-503	T125-01	SED-503-0.0-0.4-20241001	10/1/2024	0 - 0.4 ft	43000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.84	0.71 J	0.52 J	2.07 J
SED-504	T127-01	SED-504-0.0-0.6-20241001	10/1/2024	0 - 0.6 ft	18000	0.02 U	0.079 J	0.017 U	0.017 U	0.017 U	0.57 J	0.45 J	0.23 J	1.329 J
SED-505	T133-01, T134-01	SED-505-0.0-0.9-20241001	10/1/2024	0 - 0.9 ft	13000	0.02 U	0.072 J	0.017 U	0.017 U	0.017 U	0.64 J	0.42 J	0.18 J	1.312 J
SED-506	T134-02	SED-506-0.0-1.2-20241029	10/29/2024	0 - 1.2 ft	2800	0.02 U	0.74	0.017 U	0.017 U	0.017 U	0.5	0.25 J	0.21 J	1.7 J
SED-507	T136-01, T137-02	SED-507-0.0-1.0-20241029	10/29/2024	0 - 1 ft	23000	0.02 U	0.097	0.017 U	0.017 U	0.017 U	0.83 J	0.36 J	0.17 J	1.457 J
SED-507	T136-01, T137-02	SED-QC-DUP01-20241029	10/29/2024	0 - 1 ft	20000	0.02 U	0.12 J	0.017 U	0.017 U	0.017 U	1.4 J	0.74 J	0.32 J	2.58 J
SED-509	T138-01	SED-509-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	22000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.16	0.071	0.231
SED-510	T139-01	SED-510-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	2100	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.065	0.024	0.089
SED-511	T145-01	SED-511-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	5200	0.02 U	0.079	0.017 U	0.017 U	0.017 U	0.017 U	0.12	0.044	0.243
SED-512	T149-01	SED-512-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	5600	0.02 U	0.029	0.017 U	0.017 U	0.017 U	0.017 U	0.11	0.042	0.181
SED-513	T155-01	SED-513-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	13000	0.02 U	0.031	0.017 U	0.017 U	0.017 U	0.52	0.38	0.16	1.091
SED-514	T155-02	SED-514-0.0-1.0-20241002	10/2/2024	0 - 1 ft	17000	0.02 U	0.093 J	0.017 U	0.017 U	0.43 J	0.55	0.48 J	0.2 J	1.753 J
SED-515	T160-01, T160-02	SED-515-0.0-1.5-20241029	10/29/2024	0 - 1.5 ft	11000	0.02 U	0.086 J	0.017 U	0.017 U	0.017 U	2.3 J	1.1 J	0.43 J	**3.916 J**
SED-516	T160-03	SED-516-0.0-1.0-20241029	10/29/2024	0 - 1 ft	4600	0.02 U	0.022	0.017 U	0.017 U	0.59	0.52	0.068	0.029	1.229
SED-517	T166-01	SED-517-0.0-1.1-20241029	10/29/2024	0 - 1.1 ft	37000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.33	0.24 J	0.1 J	0.67 J
SED-518	T161-02	SED-518-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	4500	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.32	0.14	0.05	0.51
SED-519	T161-02	SED-519-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	7300	0.02 U	0.048	0.017 U	0.017 U	0.017 U	0.017 U	0.12	0.04	0.017 UJ
SED-519	T161-02	SED-QC-DUP-241002	10/2/2024	0 - 0.6 ft	12000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.28 J	0.13	0.049	0.459 J
SED-520	T161-02	SED-520-0.0-0.8-20241002	10/2/2024	0 - 0.8 ft	5300	0.02 U	0.036	0.017 U	0.017 U	0.18	0.25	0.18	0.064	0.71
SED-521	T161-02	SED-521-0.0-0.9-20241002	10/2/2024	0 - 0.9 ft	2300	0.02 U	0.067	0.017 U	0.017 U	0.29	0.52	0.44	0.16	1.477
SED-522	T161-02	SED-522-0.0-1.0-20241002	10/2/2024	0 - 1 ft	17000	0.02 U	0.14	0.017 U	0.017 U	0.29	0.46	0.28	0.11	1.28
SED-523	T166-01	SED-523-0.0-0.6-20240930	9/30/2024	0 - 0.6 ft	18000	0.02 U	0.042 J	0.017 U	0.017 U	0.32 J	0.66 J	0.62 J	0.2 J	1.842 J
SED-524	T170-01	SED-524-0.0-0.5-20240930	9/30/2024	0 - 0.5 ft	18000	0.02 U	0.044	0.017 U	0.017 U	0.46	1.3	0.3	0.091	2.195
SED-525	T171-01	SED-525-0.0-2.3-20240930	9/30/2024	0 - 2.3 ft	11000	0.02 U	0.045	0.017 U	0.017 U	0.017 U	0.93	0.53	0.17	1.675
SED-526	T172-01	SED-526-0.0-0.5-20240930	9/30/2024	0 - 0.5 ft	4000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.25	0.12	0.042	0.412

Table 4-6. Sediment Sample Analytical Results: TOC and PCBs
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sediment Deposit ID	Sample ID	Sample Date	Sample Depth	TOC	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCB, Aroclor specific
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SED-528	T174-02	SED-528-0.0-1.0-20241001	10/1/2024	0 - 1 ft	5600 J	0.02 U	0.045 J	0.017 U	0.017 U	0.14	0.18	0.079 J	0.022 J	0.466 J
SED-528	T174-02	SED-QC-DUP-241001-02	10/1/2024	0 - 1 ft	19000 J	0.02 U	0.11 J	0.017 U	0.017 U	0.17	0.23	0.12 J	0.039 J	0.669 J
SED-530	T180-01	SED-530-0.0-1.0-20241002	10/2/2024	0 - 1 ft	15000	0.02 U	0.043	0.017 U	0.017 U	0.017 U	1.0	0.39	0.12	1.553
SED-531	T188-01	SED-531-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	16000	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.024	0.017 U	0.024
SED-532	T190-01	SED-532-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	6700	0.02 U	0.017 U	0.017 U	0.017 U	0.18	0.22	0.11	0.031	0.541
SED-539	T128-01	SED-539-0.0-0.3-20241001	10/1/2024	0 - 0.3 ft	2000	0.02 U	0.017 U	0.017 U	0.017 U	0.11 J	0.15 J	0.1	0.033	0.393 J
SED-539	T128-01	SED-QC-DUP-241001-01	10/1/2024	0 - 0.3 ft	NS	0.02 U	0.017 U	0.017 U	0.017 U	0.017 U	0.35 J	0.12	0.037	0.017 UJ
SED-540	T174-04	SED-540-0.0-1.0-20241001	10/1/2024	0 - 1 ft	5100	0.02 U	0.036	0.017 U	0.017 U	0.17	0.43	0.32	0.12	1.076
SED-541	T142-01	SED-541-0.0-1.0-20241002	10/2/2024	0 - 1 ft	6100	0.02 U	0.11	0.017 U	0.017 U	0.19	0.23	0.14	0.059	0.729
SED-542	T166-01	SED-542-0.0-0.7-20240930	9/30/2024	0 - 0.7 ft	14000 J	0.02 U	0.044 J	0.017 U	0.017 U	0.22 J	0.56 J	0.56 J	0.21 J	1.594 J
Area 5B - Transects T194 to T209														
SED-533	T195-01, T197-01, T197-02, T198-01	SED-533-0.0-1.0-20241015	10/15/2024	0 - 1 ft	7800 J	0.022 U	0.069	0.018 U	0.018 U	0.018 U	0.39	0.1	0.023	0.582
SED-534	T200-01, T201-01, T202-01, T204-01	SED-534-0.0-1.0-20241015	10/15/2024	0 - 1 ft	2800 J	0.021 U	0.018 U	0.018 U	0.018 U	0.018 U	0.26 J	0.097 J	0.033	0.39 J
SED-534	T200-01, T201-01, T202-01, T204-01	SED-QC-DUP01-20241015	10/15/2024	0 - 1 ft	7500 J	0.021 U	0.018 U	0.018 U	0.018 U	0.018 U	0.46 J	0.17 J	0.066	0.696 J
SED-535	T205-01, T206-01, T207-01	SED-535-0.0-1.0-20241016	10/16/2024	0 - 1 ft	34000 J	0.022 U	0.019 U	0.019 U	0.019 U	0.019 U	0.42	0.22 J	0.078	0.718 J
SED-538	T208-01, T208-02	SED-538-0.0-1.0-20241016	10/16/2024	0 - 1 ft	7800	0.024 U	0.02 U	0.02 U	0.02 U	0.02 U	0.44	0.2	0.076	0.716
Area 5C - Transects T209 to T210														
SED-536	T209-01	SED-536-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	29000	0.02 U	0.084	0.017 U	0.017 U	0.21	0.37	0.25	0.072	0.986
SED-537	T210-01	SED-537-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	17000	0.02 U	0.058	0.017 U	0.017 U	0.13	0.21	0.15	0.051	0.599

Notes:
1. Figures 4-2a through 4-2cc show the sediment sampling locations.
2. PCB Aroclor concentrations are determined by USEPA Method 8082A; Total Organic Carbon by Lloyd Kahn.
3. Shaded total PCB Aroclor values indicate concentrations that exceed the PCB remedial goal of 3 mg/kg as described in the OU-1/OU-2 Record of Decision (USEPA 2017).
DUP: duplicate sample
ft: feet below ground surface
ID: identification
J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.
mg/kg: milligrams per kilogram
NS: not sampled
PCB: polychlorinated biphenyl
TOC: total organic carbon
UJ: nondetect with estimated reporting limit
USEPA: United States Environmental Protection Agency

Table 4-7. Sediment Sample Analytical Results: Metals
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sediment Deposit ID	Sample ID	Sample Date	Sample Depth	Barium	Chromium	Cobalt	Lead	Manganese	Mercury	Nickel	Vanadium
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				ROD Remedial Goals[3]	**322**	**111**	**59**	**128**	**1,100**	**1**	**46**	**41**
Area 4 - Transects T70 to T110												
SED-401	T076-01	SED-401-0.0-1.8-20241028	10/28/2024	0 - 1.5 ft	110	23	5.8 J	54	440	0.28 J	9.2 J	13
SED-403	T107-01	SED-403-0.0-1.0-20241029	10/29/2024	0 - 1 ft	83	55	7.9 J	71	580	0.27 J	24 J	20
Area 5A - Transects T110 to T194												
SED-505	T133-01, T134-01	SED-505-0.0-0.9-20241001	10/1/2024	0 - 0.9 ft	87 J	31 J	6.8 J	76 J	660	0.18 J	16 J	18 J
SED-506	T134-02	SED-506-0.0-1.2-20241029	10/29/2024	0 - 1.2 ft	73	85	7.1 J	63	350	0.26 J	**130 J**	17
SED-507	T136-01, T137-02	SED-507-0.0-1.0-20241029	10/29/2024	0 - 1 ft	67	22 J	7.0 J	69	400 J	0.30 J	12 J	16
SED-507	T136-01, T137-02	SED-QC-DUP01-20241029	10/29/2024	0 - 1 ft	110	40 J	9.7 J	59	1000 J	0.31 J	24 J	18
SED-509	T138-01	SED-509-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	33 J	43 J	5.5 J	30 J	350	0.39 J	15 J	16 J
SED-510	T139-01	SED-510-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	220	110	43	39	**1600**	**2.7**	**88**	**74**
SED-511	T145-01	SED-511-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	140 J	41 J	30 J	17 J	**2900**	0.19 J	18 J	17 J
SED-512	T149-01	SED-512-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	44 J	56 J	7.4 J	39 J	460	0.065 J	16 J	18 J
SED-513	T155-01	SED-513-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	90 J	51 J	10 J	78 J	1000	0.22 J	24 J	20 J
SED-514	T155-02	SED-514-0.0-1.0-20241002	10/2/2024	0 - 1 ft	90 J	21 J	6.9 J	**130 J**	420	0.21	10 J	13 J
SED-515	T160-01, T160-02	SED-515-0.0-1.5-20241029	10/29/2024	0 - 1.5 ft	85	28	6.6 J	61	520	0.33 J	12 J	15
SED-516	T160-03	SED-516-0.0-1.0-20241029	10/29/2024	0 - 1 ft	28	47	13 J	26	420	0.037 J	28 J	40
SED-517	T166-01	SED-517-0.0-1.1-20241029	10/29/2024	0 - 1.1 ft	79	28	9.3 J	56	700	0.22 J	16 J	19
SED-518	T161-02	SED-518-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	160	56	24	**130**	**1300**	0.13 J	**46**	**58**
SED-519	T161-02	SED-519-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	49 J	82 J	21 J	45 J	610 J	0.14 J	**47 J**	26 J
SED-519	T161-02	SED-QC-DUP-241002	10/2/2024	0 - 0.6 ft	88 J	47 J	28 J	24 J	**3900 J**	0.17 J	**77 J**	27 J
SED-520	T161-02	SED-520-0.0-0.8-20241002	10/2/2024	0 - 0.8 ft	78	**130**	50	**160**	**1100**	0.6	**96**	**59**
SED-521	T161-02	SED-521-0.0-0.9-20241002	10/2/2024	0 - 0.9 ft	81 J	34 J	15 J	69 J	590	0.22 J	20 J	29 J
SED-522	T161-02	SED-522-0.0-1.0-20241002	10/2/2024	0 - 1 ft	76 J	41 J	16 J	54 J	970	0.18 J	24 J	28 J
SED-523	T166-01	SED-523-0.0-0.6-20240930	9/30/2024	0 - 0.6 ft	88 J	48 J	9.1 J	65 J	**1200**	0.22	17 J	**91 J**
SED-524	T170-01	SED-524-0.0-0.5-20240930	9/30/2024	0 - 0.5 ft	110 J	84 J	21 J	73 J	**1800**	0.1	26 J	**43 J**
SED-525	T171-01	SED-525-0.0-2.3-20240930	9/30/2024	0 - 2.3 ft	84 J	25 J	8.4 J	58 J	610	0.27	13 J	16 J
SED-526	T172-01	SED-526-0.0-0.5-20240930	9/30/2024	0 - 0.5 ft	150 J	33 J	37 J	33 J	**2900**	0.13	35 J	36 J
SED-528	T174-02	SED-528-0.0-1.0-20241001	10/1/2024	0 - 1 ft	79 J	87 J	6.9 J	18 J	850 J	0.13	14 J	**57 J**
SED-528	T174-02	SED-QC-DUP-241001-02	10/1/2024	0 - 1 ft	210 J	83 J	41 J	22 J	**7400 J**	0.17 J	38 J	**56 J**
SED-530	T180-01	SED-530-0.0-1.0-20241002	10/2/2024	0 - 1 ft	83 J	38 J	7.7 J	56 J	680	0.26 J	14 J	30 J
SED-531	T188-01	SED-531-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	32	3.8 J	3.3 J	6.4 J	240	0.047 J	6.5 J	5.8 J
SED-532	T190-01	SED-532-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	71 J	25 J	6.3 J	61 J	580	0.06 J	11 J	19 J
SED-540	T174-04	SED-540-0.0-1.0-20241001	10/1/2024	0 - 1 ft	65 J	15 J	7.6 J	20 J	460	0.23 J	11 J	12 J
SED-541	T142-01	SED-541-0.0-1.0-20241002	10/2/2024	0 - 1 ft	210 J	**130 J**	28 J	22 J	**1800**	0.08 J	33 J	28 J
SED-542	T166-01	SED-542-0.0-0.7-20240930	9/30/2024	0 - 0.7 ft	65 J	40 J	12 J	50 J	620	0.21 J	23 J	32 J

Table 4-7. Sediment Sample Analytical Results: Metals
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sediment Deposit ID	Sample ID	Sample Date	Sample Depth	Barium	Chromium	Cobalt	Lead	Manganese	Mercury	Nickel	Vanadium
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				ROD Remedial Goals[3]	322	111	59	128	1,100	1	46	41
Area 5B - Transects T194 to T209												
SED-533	T195-01, T197-01, T197-02, T198-01	SED-533-0.0-1.0-20241015	10/15/2024	0 - 1 ft	35	40 J	6.8 J	40 J	360	0.18	18 J	17 J
SED-534	T200-01, T201-01, T202-01, T204-01	SED-534-0.0-1.0-20241015	10/15/2024	0 - 1 ft	62	13 J	6.5 J	22 J	340 J	0.33 J	9.8 J	12 J
SED-534	T200-01, T201-01, T202-01, T204-01	SED-QC-DUP01-20241015	10/15/2024	0 - 1 ft	66	64 J	9.9 J	29 J	820 J	0.015 J	23 J	27 J
SED-535	T205-01, T206-01, T207-01	SED-535-0.0-1.0-20241016	10/16/2024	0 - 1 ft	62	22 J	7.3 J	19 J	540	0.087	14 J	22 J
SED-538	T208-01, T208-02	SED-538-0.0-1.0-20241016	10/16/2024	0 - 1 ft	39	66 J	22 J	30 J	590	0.059	19 J	**46 J**
SED-538A	T208-01	SED-538A-0.0-1.4-20241016	10/16/2024	0 - 1.4 ft	NS	NS	NS	NS	NS	NS	NS	40
SED-538B	T208-01	SED-538B-0.0-1.5-20241016	10/16/2024	0 - 1.5 ft	NS	NS	NS	NS	NS	NS	NS	18
SED-538C	T208-02	SED-538C-0.0-1.1-20241016	10/16/2024	0 - 1.1 ft	NS	NS	NS	NS	NS	NS	NS	16
SED-538D	T208-02	SED-538D-0.0-0.75-20241016	10/16/2024	0 - 0.75 ft	NS	NS	NS	NS	NS	NS	NS	23
SED-538E	T208-02	SED-538E-0.0-0.7-20241016	10/16/2024	0 - 0.7 ft	NS	NS	NS	NS	NS	NS	NS	17
Area 5C - Transects T209 to T210												
SED-536	T209-01	SED-536-0.0-0.5-20241002	10/2/2024	0 - 0.5 ft	210 J	9.3 J	5.8 J	15 J	820	0.15 J	6.2 J	15 J
SED-537	T210-01	SED-537-0.0-0.6-20241002	10/2/2024	0 - 0.6 ft	42 J	35 J	5.9 J	21 J	460	0.34	12 J	18 J

Notes:
1. Figures 4-2a through 4-2cc show the sediment sampling locations.
2. Metals by USEPA Methods 6010C and 7471B (mercury only).
3. Remedial goals listed are from the OU-1/OU-2 ROD (USEPA 2017).
4. Shaded values indicate concentrations that exceed the associated remedial goals from the OU-1/OU-2 ROD.
DUP: duplicate sample
ft: feet below ground surface
ID: identification
J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.
mg/kg: milligrams per kilogram
NS: not sampled
ROD: Record of Decision
USEPA: United States Environmental Protection Agency

Table 4-8. Estimated Sediment Removal Volumes Based on PDI Sample Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Creek Area Designation	Sediment Deposit ID	Associated Sediment Sample	PCB Concentration (mg/kg)	Exceeds PCB Remedial Goal?[1]	Exceeds Metals Remedial Goal?[1]	Total Estimated Volume (cy)	Volume Exceeding PCB Remedial Goal (cy)	Volume Exceeding Metals Remedial Goal (cy)	Total Estimated Volume by Characterization Area (cy)
Area 1	T000-01	SED-101	4.2	Yes	--	12	12	-	292
	T000-02	SED-102	0.4	--	--	8	-	-	
	T000-03	SED-103	131.4	Yes	--	13	13	-	
	T000-04	SED-104	7.7	Yes	--	7	7	-	
	T001-01	SED-105	48.4	Yes	--	51	51	-	
	T003-01	SED-106	10.6	Yes	--	1	1	-	
	T004-01	SED-107	14.7	Yes	--	9	9	-	
	T005-01	SED-108	4.9	Yes	--	10	10	-	
	T005-02	SED-109	82.0	Yes	--	34	34	-	
	T006-01	SED-106	10.6	Yes	--	3	3	-	
	T007-01	SED-110	4.4	Yes	--	35	35	-	
	T008-01	SED-111	5.3	Yes	--	2	2	-	
	T008-02	SED-112	4.9	Yes	--	6	6	-	
	T008-03	SED-113	6.3	Yes	--	72	72	-	
	T009-01	SED-114	7.0	Yes	--	22	22	-	
	T012-01	SED-116	3.9	Yes	--	3	3	-	
	T015-01	SED-117	0.5	--	--	1	-	-	
	T019-01	SED-115	3.8	Yes	--	11	11	-	

Table 4-8. Estimated Sediment Removal Volumes Based on PDI Sample Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Creek Area Designation	Sediment Deposit ID	Associated Sediment Sample	PCB Concentration (mg/kg)	Exceeds PCB Remedial Goal?[1]	Exceeds Metals Remedial Goal?[1]	Total Estimated Volume (cy)	Volume Exceeding PCB Remedial Goal (cy)	Volume Exceeding Metals Remedial Goal (cy)	Total Estimated Volume by Characterization Area (cy)
Area 2	T025-01	SED-201	0.5	--	--	36	-	-	1,148
	T029-01	SED-202	10.4	Yes	--	168	168	-	
	T029-02	SED-203	4.3	Yes	--	181	181	-	
	T029-03	SED-204	22.5	Yes	--	237	237	-	
	T029-04	SED-205	12.9	Yes	--	253	253	-	
	T029-05	SED-206	4.3	Yes	--	56	56	-	
	T033-01	SED-208	13.4	Yes	--	84	84	-	
	T033-02	SED-209	9.0	Yes	--	12	12	-	
	T034-01	SED-210	1.1	--	--	17	-	-	
	T036-01	SED-211	1.8	--	--	2	-	-	
	T037-01	SED-211	1.8	--	--	3	-	-	
	T038-01	SED-219	11.6	Yes	--	10	10	-	
	T039-01	SED-212	8.6	Yes	--	94	94	-	
	T040-01	SED-213	1.9	--	--	19	-	-	
	T041-01	SED-214	7.4	Yes	--	30	30	-	
	T045-01	SED-215	4.3	Yes	--	11	11	-	
	T047-02	SED-216	1.5	--	--	1	-	-	
	T048-01	SED-217	26.5	Yes	--	12	12	-	
Area 3	T050-01	SED-218	1.9	--	--	15	-	-	33
	T051-01	SED-301	7.6	Yes	--	1	1	-	
	T051-02	SED-302	5.0	Yes	--	33	33	-	
	T055-01	SED-303	0.9	--	--	3	-	-	
Area 4	T076-01	SED-401	1.0	--	--	2	-	-	4
	T101-01	SED-402	0.0	--	--	14	-	-	
	T107-01	SED-403	1.9	--	--	25	-	-	
	T109-01	SED-404	3.4	Yes	--	4	4	-	
	T110-01	SED-405	1.1	--	--	10	-	-	

Table 4-8. Estimated Sediment Removal Volumes Based on PDI Sample Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Creek Area Designation	Sediment Deposit ID	Associated Sediment Sample	PCB Concentration (mg/kg)	Exceeds PCB Remedial Goal?[1]	Exceeds Metals Remedial Goal?[1]	Total Estimated Volume (cy)	Volume Exceeding PCB Remedial Goal (cy)	Volume Exceeding Metals Remedial Goal (cy)	Total Estimated Volume by Characterization Area (cy)
Area 5A	T119-01	SED-501	0.4	--	--	3	-	-	1,327
	T123-01	SED-502	0.7	--	--	9	-	-	
	T125-01	SED-503	2.1	--	--	8	-	-	
	T127-01	SED-504	1.3	--	--	6	-	-	
	T128-01	SED-539	0.5	--	--	6	-	-	
	T133-01	SED-505	1.3	--	--	1	-	-	
	T134-01	SED-505	1.3	--	--	2	-	-	
	T134-02	SED-506	1.7	--	Yes	56	-	56	
	T136-01	SED-507	2.0	--	--	25	-	-	
	T137-02	SED-507	2.0	--	--	6	-	-	
	T138-01	SED-509	0.2	--	--	46	-	-	
	T139-01	SED-510	0.1	--	Yes	62	-	62	
	T142-01	SED-541	0.7	--	Yes	14	-	14	
	T145-01	SED-511	0.2	--	Yes	21	-	21	
	T149-01	SED-512	0.2	--	--	66	-	-	
	T155-01	SED-513	1.1	--	--	25	-	-	
	T155-02	SED-514	1.8	--	Yes	73	-	73	
	T160-01	SED-515	3.9	Yes	--	7	7	-	
	T160-02	SED-515	3.9	Yes	--	29	29	-	
	T160-03	SED-516	1.2	--	--	8	-	-	
	T161-01	SED-517	0.7	--	--	19	-	-	
	T161-02N (north)	SED-518, SED-519, SED-520	0.5	--	Yes	667	-	667	
	T161-02S (south)	SED-521, SED-522	1.4	--	--	409	-	-	
	T166-01	SED-523	1.8	--	Yes	258	-	258	
	T170-01	SED-524	2.2	--	Yes	84	-	84	
	T170-02	SED-524	2.2	--	Yes	24	-	24	
	T171-01	SED-525	1.7	--	--	49	-	-	
	T172-01	SED-526	0.4	--	Yes	24	-	24	
	T174-02	SED-528	0.6	--	Yes	7	-	7	
	T174-04	SED-540	1.1	--	--	17	-	-	
	T180-01	SED-530	1.6	--	--	88	-	-	
	T188-01	SED-531	0.0	--	--	19	-	-	
	T190-01	SED-532	0.5	--	--	30	-	-	

Table 4-8. Estimated Sediment Removal Volumes Based on PDI Sample Data
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Creek Area Designation	Sediment Deposit ID	Associated Sediment Sample	PCB Concentration (mg/kg)	Exceeds PCB Remedial Goal?[1]	Exceeds Metals Remedial Goal?[1]	Total Estimated Volume (cy)	Volume Exceeding PCB Remedial Goal (cy)	Volume Exceeding Metals Remedial Goal (cy)	Total Estimated Volume by Characterization Area (cy)
Area 5B	T195-01	SED-533	0.6	--	--	1,447	-	-	-
	T197-01	SED-533	0.6	--	--	35	-	-	
	T197-02	SED-533	0.6	--	--	15	-	-	
	T198-01	SED-533	0.6	--	--	793	-	-	
	T200-01	SED-534	0.5	--	--	306	-	-	
	T201-01	SED-534	0.5	--	--	55	-	-	
	T202-01	SED-534	0.5	--	--	821	-	-	
	T204-01	SED-534	0.5	--	--	836	-	-	
	T205-01	SED-535	0.7	--	--	50	-	-	
	T206-01	SED-535	0.7	--	--	316	-	-	
	T207-01	SED-535	0.7	--	--	354	-	-	
	T208-01	SED-538	0.7	--	--	133	-	-	
	T208-02	SED-538	0.7	--	--	21	-	-	
Area 5C	T209-01	SED-536	1.0	--	--	10	-	-	-
	T210-01	SED-537	0.6	--	--	24	-	-	
					Total	**9,020**	**1,514**	**1,290**	**2,805**

Notes:

1. The remedial goals described in the OU-1/OU-2 Record of Decision (USEPA 2017) include the following:
   - PCBs: 3 mg/kg
   - Barium: 322 mg/kg
   - Chromium: 111 mg/kg
   - Cobalt: 59 mg/kg
   - Lead: 128 mg/kg
   - Manganese: 1,100 mg/kg
   - Mercury: 1 mg/kg
   - Nickel: 46 mg/kg
   - Vanadium: 41 mg/kg

2. The estimated volumes presented in this table represent the sediment deposit volumes at the time of the PDI field events in 2023 and 2024. The sediment removal volumes may change due to the transient nature of the creek.

cy: cubic yards

ID: identification

mg/kg: milligrams per kilogram

PCB: polychlorinated biphenyl

PDI: predesign investigation

USEPA: United States Environmental Protection Agency

Table 4-9. Sediment Sample Analytical Results: Geotechnical Parameters
Anniston PCB Site, Anniston, Alabama

Creek Area Designation	Sample Location	Sample ID	Sample Depth	Gravel	Sand	Fines	Silt	Clay	Moisture Content	Specific Gravity
				%	%	%	%	%	%	unitless
Area 1	SED-101	SED-101-0.0-1.0-20241028	0-1 ft	19.9	65.6	14.5	11.2	3.3	37.2	--
	SED-102	SED-102-0.0-1.0-20241028	0-1 ft	10.0	60.2	29.8	23.0	6.8	70.5	2.31
	SED-103	SED-103-0.0-1.0-20241028	0-1 ft	11.4	71.1	17.5	11.3	6.2	16.9	2.64
	SED-104	SED-104-0.0-1.1-20241028	0-1.1 ft	29.0	52.0	19.0	12.8	6.2	23.3	2.65
	SED-105	SED-105-0.0-2.2-240923	0-2.2 ft	8.7	47.2	44.1	31.2	12.9	28.1	2.53
	SED-106	SED-106-0.0-1.2-240923	0-1.2 ft	3.6	55.5	40.9	27.8	13.1	41.8	2.63
	SED-107	SED-107-0.0-0.6-240923	0-0.6 ft	17.6	53.3	29.1	19.2	9.9	42.7	2.50
	SED-108	SED-108-0.0-1.1-240923	0-1.1 ft	8.8	66.1	25.1	17.8	7.3	44.5	2.63
	SED-109	SED-109-0.0-1.0-240923	0-1 ft	15.5	56.4	28.1	18.5	9.6	21.8	2.56
	SED-110	SED-110-0.0-1.0-240924	0-1 ft	15.7	64.7	19.6	12.5	7.1	34.4	2.70
	SED-111	SED-111-0.0-0.9-240924	0-0.9 ft	5.4	61.2	33.4	19.3	14.1	30.0	2.66
	SED-112	SED-112-0.0-0.8-240924	0-0.8 ft	13.6	64.7	21.7	14.8	6.9	45.9	2.69
	SED-113	SED-113-0.0-1.3-240924	0-1.3 ft	11.3	65.2	23.5	14.1	9.4	36.7	2.58
	SED-114	SED-114-0.0-1.4-240924	0-1.4 ft	4.6	78.9	16.5	11.9	4.6	29.4	2.68
	SED-115	SED-115-0.0-0.5-240924	0-0.5 ft	15.9	68.9	15.2	10.6	4.6	16.2	2.73
	SED-116	SED-116-0.0-0.7-240924	0-0.7 ft	17.2	63.6	19.2	12.7	6.5	32.1	2.76
	SED-117	SED-117-0.0-0.5-240924	0-0.5 ft	32.1	44.0	23.9	14.9	9.0	30.2	2.82
Area 2	SED-201	SED-201-0.0-0.5-240923	0-0.5 ft	34.1	58.8	7.1	--	--	14.4	--
	SED-202	SED-202-0.0-2.0-20241014	0-2 ft	22.1	66.6	11.3	7.4	3.9	12.1	2.75
	SED-203	SED-203-0.0-2.5-20241014	0-2.5 ft	25.0	68.9	6.1	--	--	12.2	--
	SED-204	SED-204-0.0-2.5-20241014	0-2.5 ft	9.7	61.9	28.4	17.4	11.0	25.6	2.66
	SED-205	SED-205-0.0-2.0-20241014	0-2 ft	11.1	73.1	15.8	10.0	5.8	22.3	2.82
	SED-206	SED-206-0.0-2.5-20241014	0-2.5 ft	39.0	57.8	3.2	--	--	10.2	--
	SED-208	SED-208-0.0-2.75-20241014	0-2.75 ft	19.9	69.4	10.7	7.2	3.5	21.5	2.68
	SED-209	SED-209-0.0-0.9-20240930	0-0.9 ft	5.4	51.9	42.7	34.2	8.5	27.7	2.61
	SED-210	SED-210-0.0-2.5-20240930	0-2.5 ft	3.7	46.4	49.9	30.1	19.8	40.6	2.64
	SED-211	SED-211-0.0-0.9-20240930	0-0.9 ft	29.8	66.4	3.8	--	--	18.1	--
	SED-212	SED-212-0.0-1.8-240924	0-1.8 ft	4.8	63.2	32.0	22.7	9.3	20.1	2.67
	SED-213	SED-213-0.0-1.3-20240930	0-1.3 ft	31.7	58.8	9.5	--	--	17.6	--
	SED-214	SED-214-0.0-1.8-20240930	0-1.8 ft	0.5	68.5	31.0	20.4	10.6	25.3	2.66
	SED-215	SED-215-0.0-1.3-240924	0-1.3 ft	1.5	72.0	26.5	16.3	10.2	24.7	2.67
	SED-216	SED-216-0.0-0.5-240924	0-0.5 ft	32.2	62.9	4.9	--	--	21.1	--
	SED-217	SED-217-0.0-0.5-240924	0-0.5 ft	33.7	48.5	17.8	12.2	5.6	22.6	2.74
	SED-218	SED-218-0.0-0.9-20241028	0-0.9 ft	8.7	69.2	22.1	15.4	6.7	21.6	2.66
	SED-219	SED-219-0.0-0.7-20240930	0-0.7 ft	14.6	81.4	4.0	--	--	22.3	--
Area 3	SED-301	SED-301-0.0-1.0-20241028	0-1 ft	4.7	65.4	29.9	21.5	8.4	48.0	2.51
	SED-302	SED-302-0.0-2.1-20241028	0-2.1 ft	1.7	51.8	46.5	35.2	11.3	12.5	2.63
	SED-303	SED-303-0.0-0.5-240924	0-0.5 ft	22.6	74.9	2.5	--	--	14.5	--

Table 4-9. Sediment Sample Analytical Results: Geotechnical Parameters
Anniston PCB Site, Anniston, Alabama

Creek Area Designation	Sample Location	Sample ID	Sample Depth	Gravel	Sand	Fines	Silt	Clay	Moisture Content	Specific Gravity
				%	%	%	%	%	%	unitless
Area 4	SED-401	SED-401-0.0-1.8-20241028	0-1.8 ft	1.0	89.4	9.6	--	--	17.0	--
	SED-402	SED-402-0.0-0.4-20241001	0-0.4 ft	43.2	55.3	1.5	--	--	10.0	--
	SED-403	SED-403-0.0-1.0-20241029	0-1 ft	8.6	68.9	22.5	18.1	4.4	15.3	2.60
	SED-404	SED-404-0.0-0.8-20241001	0-0.8 ft	12.8	77.9	9.3	--	--	28.8	--
	SED-405	SED-405-0.0-0.4-20241001	0-0.4 ft	13.1	81.9	5.0	--	--	36.5	--
Area 5A	SED-501	SED-501-0.0-0.5-20241001	0-0.5 ft	17.4	80.1	2.5	--	--	17.2	--
	SED-502	SED-502-0.0-0.4-20241001	0-0.4 ft	26.9	72.8	0.3	--	--	17.6	--
	SED-503	SED-503-0.0-0.4-20241001	0-0.4 ft	0.4	86.0	13.6	10.6	3.0	62.1	2.42
	SED-504	SED-504-0.0-0.6-20241001	0-0.6 ft	1.8	80.8	17.4	12.6	4.8	30.1	2.66
	SED-505	SED-505-0.0-0.9-20241001	0-0.9 ft	3.0	96.5	0.5	--	--	63.1	--
	SED-506	SED-506-0.0-1.2-20241029	0-1.2 ft	12.8	72.5	14.7	11.5	3.2	48.0	2.64
	SED-507	SED-507-0.0-1.0-20241029	0-1 ft	1.1	85.6	13.3	11.5	1.8	20.3	2.63
	SED-509	SED-509-0.0-0.5-20241002	0-0.5 ft	28.5	68.7	2.8	--	--	19.9	--
	SED-510	SED-510-0.0-0.5-20241002	0-0.5 ft	38.4	61.2	0.4	--	--	8.4	--
	SED-511	SED-511-0.0-0.5-20241002	0-0.5 ft	16.4	82.1	1.5	--	--	12.2	--
	SED-512	SED-512-0.0-0.6-20241002	0-0.6 ft	29.0	68.3	2.7	--	--	15.7	--
	SED-513	SED-513-0.0-0.6-20241002	0-0.6 ft	8.5	77.7	13.8	10.4	3.4	27.1	2.72
	SED-514	SED-514-0.0-1.0-20241002	0-1 ft	6.0	83.2	10.8	8.2	2.6	24.0	2.68
	SED-515	SED-515-0.0-1.5-20241029	0-1.5 ft	6.1	77.6	16.3	12.1	4.2	13.4	2.71
	SED-516	SED-516-0.0-1.0-20241029	0-1 ft	27.7	71.6	0.7	--	--	8.4	--
	SED-517	SED-517-0.0-1.1-20241029	0-1.1 ft	4.2	85.0	10.8	10.5	0.3	40.0	2.59
	SED-518	SED-518-0.0-0.6-20241002	0-0.6 ft	45.7	52.5	1.8	--	--	8.5	--
	SED-519	SED-519-0.0-0.6-20241002	0-0.6 ft	32.6	66.7	0.7	--	--	13.2	--
	SED-520	SED-520-0.0-0.8-20241002	0-0.8 ft	34.9	62.9	2.2	--	--	14.8	--
	SED-521	SED-521-0.0-1.0-20241002	0-1 ft	7.9	75.8	16.3	12.7	3.6	22.6	2.67
	SED-522	SED-522-0.0-1.0-20241002	0-1 ft	13.7	67.6	18.7	13.7	5.0	25.8	2.64
	SED-523	SED-523-0.0-0.6-20240930	0-0.6 ft	10.2	82.9	6.9	--	--	25.0	--
	SED-524	SED-524-0.0-0.5-20240930	0-0.5 ft	38.3	58.2	3.5	--	--	15.2	--
	SED-525	SED-525-0.0-2.3-20240930	0-2.3 ft	-	82.2	17.8	13.4	4.4	32.4	2.62
	SED-526	SED-526-0.0-0.5-20240930	0-0.5 ft	50.4	48.9	0.7	--	--	4.2	--
	SED-528	SED-528-0.0-1.0-20241001	0-1 ft	24.8	73.7	1.5	--	--	18.4	--
	SED-530	SED-530-0.0-1.0-20241002	0-1 ft	29.1	65.2	5.7	--	--	18.9	--
	SED-531	SED-531-0.0-0.6-20241002	0-0.6 ft	48.5	51.2	0.3	--	--	9.7	--
	SED-532	SED-532-0.0-0.620241002	0-0.6 ft	13.2	85.9	0.9	--	--	23.4	--
	SED-539	SED-539-0.0-0.3-20241001	0-0.3 ft	17.6	81.3	1.1	--	--	18.0	--
	SED-540	SED-540-0.0-1.0-20241001	0-1 ft	15.9	82.3	1.8	--	--	22.0	--
	SED-541	SED-541-0.0-1.0-20241002	0-1 ft	17.6	80.1	2.3	--	--	23.2	--
	SED-542	SED-542-0.0-0.7-20240930	0-0.7 ft	40.8	48.9	10.3	7.8	2.5	11.7	2.73

Table 4-9. Sediment Sample Analytical Results: Geotechnical Parameters
Anniston PCB Site, Anniston, Alabama

Creek Area Designation	Sample Location	Sample ID	Sample Depth	Gravel	Sand	Fines	Silt	Clay	Moisture Content	Specific Gravity
				%	%	%	%	%	%	unitless
Area 5B	SED-533	SED-533-0.0-1.0-20241015	0-1 ft	33.3	64.3	2.4	--	--	4.8	--
	SED-534	SEF-534-0.0-1.0-20241015	0-1 ft	27.7	66.6	5.7	--	--	7.0	--
	SED-535	SED-535-0.0-1.0-20241016	0-1 ft	41.6	57.3	1.1	--	--	12.5	--
	SED-538	SED-538-0.0-1.0-20241016	0-1 ft	30.4	67.8	1.8	--	--	13.9	--
Area 5C	SED-536	SED-536-0.0-0.5-20241002	0-0.5 ft	34.8	59.5	5.7	--	--	21.2	--
	SED-537	SED-537-0.0-0.6-20241002	0-0.6 ft	8.6	89.8	1.6	--	--	27.0	--

Notes:
1. Geotechnical parameters were analyzed by Excel Geotechnical Testing, Inc., in Roswell, Georgia.
2. Particle size (including hydrometer for cohesive samples only) analyzed using ASTM D6913/D7928.
3. Specific gravity analyzed usingASTM D854.
4. Moisture content analyzed using ASTM D4318.
--: not sampled/no data
ASTM: ASTM International
ft: feet

Table 5-1. Summary of Structures Along Snow Creek
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Transect	Transect Location (nearest street)	Structure Type	Sediment Remediation Nearby?	Nearby Sediment Deposit ID	Notes
T0-00	West 11th Street	Bridge	Yes	T000-01	• Sediment deposit near 11th Street Bridge • Removed sediment not expected to be load bearing • Outreach to the City of Anniston will occur during remedial design to discuss the remediation extents, access, and potential impacts
T0-50	West 11th Street	Railroad Bridge	Yes	T000-03, T000-04	• Sediment deposits adjacent to and beneath the railroad bridge • Removed sediment not expected to be load bearing • Remediation will require coordination with Norfolk Southern and may require oversight by a flagperson due to proximity to the railroad • Additional field review to be conducted by the engineering team during remedial design • Outreach to the Norfolk Southern will occur during remedial design to discuss the remediation extents, access, and potential impacts
T19-50	West 10th Street	Bridge	Yes	T019-01	• A portion of the sediment deposit is beneath the bridge and adjacent to the bridge support columns • Removed sediment not expected to be load bearing • Additional field review to be conducted by the engineering team during remedial design • Outreach to the City of Anniston will occur during remedial design to discuss the remediation extents, access, and potential impacts
T25-00	West 9th Street	Bridge (limited use)	No	--	--

Table 5-1. Summary of Structures Along Snow Creek
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Transect	Transect Location (nearest street)	Structure Type	Sediment Remediation Nearby?	Nearby Sediment Deposit ID	Notes
T31-00	Highway 202	Box Culvert	Yes	T029-01 through T029-05, T033-01	• Sediment deposits requiring remediation are located within four of the five box culverts and in sediment deposits immediately upstream and downstream of the culverts • Each box culvert is approximately 10 feet wide by 10 feet tall • Removed sediment not expected to be load bearing • Outreach to the ALDOT will occur during remedial design to discuss the remediation extents, access, and potential impacts • Remediation will require specialized equipment and procedures during construction due to the to protect the integrity of the structure
T35-50	West 7th Street	Bridge	No	--	--
T42-50	Glenaddie Avenue	Bridge	No	--	--
T51-00	Calhoun County Jail	Railroad Bridge	Yes	T051-01, T051-02	• Sediment deposits are in the concrete-lined channel near, but not beneath, the railroad bridge • Removed sediment not expected to be load bearing • Remediation will require coordination with Norfolk Southern and may require oversight by a flagperson due to proximity to the railroad • Outreach to the Norfolk Southern will occur during remedial design to discuss the remediation extents, access, and potential impacts
T56-50	Calhoun County Jail	Culvert (private)	No	--	--
T61-50	West 4th Street	Bridge	No	--	--
T66-00	West 3rd Street	Structure Over Creek (private)	No	--	--
T69-50	West 2nd Street	Railroad Bridge	No	--	--
T93-50	East F Street	Bridge	No	--	--
T136-00	South Noble Street	Railroad Bridge	No	--	--
T137-50	South Noble Street	Bridge	No	--	--

Table 5-1. Summary of Structures Along Snow Creek
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Transect	Transect Location (nearest street)	Structure Type	Sediment Remediation Nearby?	Nearby Sediment Deposit ID	Notes
T161-00	South Quintard Avenue	Railroad Bridge	Yes	T160-01, T160-02	• Removed sediment not expected to be load bearing • Outreach to the Norfolk Southern will occur during remedial design to discuss the remediation extents, access, and potential impacts
T174-50	South Quintard Avenue	Bridge	Yes	T174-02	• Sediment deposits beneath the bridge and between the spans for the northbound and southbound lanes • Removed sediment not expected to be load bearing
T194-50	Snow Street	Bridge	No	--	--
T195-50	Quintard Mall	Culvert beneath Mall	No	--	--
T210-50	Highway 78	Bridge	No	--	--

Notes:
ID: identification
PCB: polychlorinated biphenyl

Table 6-1. Baseline Surface Water Sampling Summary: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sample ID	Sample Date	Sample Type	PCB Homologs	Lead	Chromium	Hexavalent Chromium
				Method 1668A	Method 6010C	Method 6010C	Method 7196A
SW-1 (upstream)	SW-01-U-20230420	4/20/2023	Unfiltered Grab Sample	X	X	X	X
	SW-01-F-20230420	4/20/2023	Filtered Grab Sample	X	X	X	X
	SW-01-U-20230727	7/27/2023	Unfiltered Grab Sample	X	X	X	X
	SW-01-F-20230727	7/27/2023	Filtered Grab Sample	X	X	X	X
	SW-01-U-20231018	10/18/2023	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20231018	10/18/2023	Duplicate Sample (Unfiltered)	X	X	X	X
	SW-01-F-20231018	10/18/2023	Filtered Grab Sample	X	X	X	X
	SW-01-U-20240222	2/22/2024	Unfiltered Grab Sample	X	X	X	X
	SW-01-F-20240222	2/22/2024	Filtered Grab Sample	X	X	X	X
	SW-01-U-20240417	4/17/2024	Unfiltered Grab Sample	X	X	X	X
	SW-01-F-20240417	4/17/2024	Filtered Grab Sample	X	X	X	X
	SW-01-U-20240918	9/18/2024	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20240918	9/18/2024	Unfiltered Grab Sample	X	X	X	X
	SW-01-F-20240918	9/18/2024	Filtered Grab Sample	X	X	X	X
	SW-01-U-20241203	12/3/2024	Unfiltered Grab Sample	X	X	X	X
	SW-01-F-20241203	12/3/2024	Filtered Grab Sample	X	X	X	X
	SW-01-U-20250312	3/12/2025	Unfiltered Grab Sample	X	X	X	X
	SW-01-F-20250312	3/12/2025	Filtered Grab Sample	X	X	X	X
SW-2 (downstream)	SW-02-U-20230420	4/20/2023	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20230420	4/20/2023	Duplicate Sample (Unfiltered)	X	X	X	X
	SW-02-F-20230420	4/20/2023	Filtered Grab Sample	X	X	X	X
	SW-02-U-20230727	7/27/2023	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20230727	7/27/2023	Duplicate Sample (Unfiltered)	X	X	X	X
	SW-02-F-20230727	7/27/2023	Filtered Grab Sample	X	X	X	X
	SW-02-U-20231018	10/18/2023	Unfiltered Grab Sample	X	X	X	X
	SW-02-F-20231018	10/18/2023	Filtered Grab Sample	X	X	X	X
	SW-02-U-20240222	2/22/2024	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20240222	2/22/2024	Duplicate Sample (Unfiltered)	X	X	X	X
	SW-02-F-20240222	2/22/2024	Filtered Grab Sample	X	X	X	X
	SW-02-U-20240417	4/17/2024	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20240417	4/17/2024	Duplicate Sample (Unfiltered)	X	X	X	X
	SW-02-F-20240417	4/17/2024	Filtered Grab Sample	X	X	X	X
	SW-02-U-20240918	9/18/2024	Unfiltered Grab Sample	X	X	X	X
	SW-02-F-20240918	9/18/2024	Filtered Grab Sample	X	X	X	X
	SW-02-U-20241203	12/3/2024	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20241203	12/3/2024	Duplicate Sample (Unfiltered)	X	X	X	X
	SW-02-F-20241203	12/3/2024	Filtered Grab Sample	X	X	X	X
	SW-02-U-20250312	3/12/2025	Unfiltered Grab Sample	X	X	X	X
	SW-DUP-U-20250312	3/12/2025	Duplicate Sample (Unfiltered)	X	X	X	X
	SW-02-F-20250312	3/12/2025	Filtered Grab Sample	X	X	X	X

Notes:
1. Surface water sampling locations are shown on Figure 6-1.
ID: identification
PCB: polychlorinated biphenyl
X: indicates sample analyzed for the referenced parameter

Table 6-2. Baseline Surface Water Sampling: Water Quality Parameter Measurements
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sample ID	Water Level Intake	Turbidity	pH	Oxidation Reduction Potential	Dissolved Oxygen	Conductivity	Salinity	Total Dissolved Solids	Temperature
		inches	NTU	mg/kg	mV	mg/L	mS/cm	ppt	g/L	°C
SW-1 (upstream)	SW-01-U-20230420	9	7.1	7.58	--	7.83	0.24	--	--	23.1
	SW-01-U-20230727	9	4.3	6.99	237	6.26	0.25	--	--	33.5
	SW-01-U-20231018	9.5	1.1	6.34	139	9.08	0.23	--	0.14	17.7
	SW-01-U-20240222	11.5	7.4	6.33	233	1.82	0.29	--	0.14	10.4
	SW-01-U-20240417	9	6.9	7.21	194	7.58	0.28	0.13	0.18	23.5
	SW-01-U-20240918	14	1.3	7.92	168	7.5	0.26	--	--	23.8
	SW-01-U-20241203	8	0.0	6.23	210	8.11	0.23	0.11	0.15	12.1
	SW-01-U-20250312	6	1.5	7.01	347	10.9	0.26	--	--	17.1
SW-2 (downstream)	SW-02-U-20230420	14	2.1	8.03	NA	7.42	0.21	--	--	22.6
	SW-02-U-20230727	18	3.1	8.28	165	5.5	0.24	0.11	--	29.8
	SW-02-U-20231018	17	0.0	8.24	111	6.14	0.23	--	0.15	21.8
	SW-02-U-20240222	17	7.8	7.69	195	10.2	0.24	--	0.16	8.9
	SW-02-U-20240417	15.5	1.9	8.01	142	7.34	0.23	0.11	0.16	23.8
	SW-02-U-20240918	16	--	--	--	--	--	--	--	--
	SW-02-U-20241203	16	0.0	7.98	165	7.81	0.26	0.12	0.17	11.2
	SW-02-U-20250312	13	0.0	8.37	286	10.89	0.24	--	--	16.9

Notes:
1. Water quality parameters measured using a Horiba water quality meter.
2. The water quality meter was calibrated prior to each use using calibration standards provided by the equipment provider (Pine Environmental).
°C: degrees Celsius
g/L: gram per liter
mg/kg: milligram per kilogram
mg/L: milligram per liter
mS/cm: millisiemen per centimeter
mV: millivolts
NTU: Nephelometric Turbidity Unit
ppt: part per trillion
--: not measured

Table 6-3. Baseline Surface Water Sampling Summary: Passive Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

Sample Location	Sample ID	Sample Deployment Date	Sample Retrieval Date	Deployment Period	PCB Homologs/ Congeners
					Method 1668A
SW-1 (upstream)	SW-01-P-20230727	6/26/2023	7/27/2023	31 days	X
	SW-01-P-20240305	2/1/2024	3/5/2024	33 days	X
	SW-01-P-20240918	8/14/2024	9/18/2024	35 days	X
	SW-DUP-P-20240918	8/14/2024	9/18/2024	35 days	X
	SW-01-P-20250515	4/16/2025	5/15/2025	29 days	X
SW-2 (downstream)	SW-02-P-20230727	6/26/2023	7/27/2023	31 days	X
	SW-DUP-P-20230727	6/26/2023	7/27/2023	31 days	X
	SW-02-P-20240305	2/1/2024	3/5/2024	33 days	X
	SW-DUP-P-20240305	2/1/2024	3/5/2024	33 days	X
	SW-02-P-20240918	8/14/2024	9/18/2024	35 days	X
	SW-02-P-20250515	4/16/2025	5/15/2025	29 days	X
	SW-DUP-P-202500515	4/16/2025	5/15/2025	29 days	X

Notes:
1. Surface water sampling locations are shown on Figure 6-1.
2. Passive samplers deployed during four events (December 2023, June 2024, February 2025, and March 2025) were not analyzed because the samplers were either missing upon retrieval or the samples were determined not to be suitable to represent surface water conditions due to movement of the sampling device under high water creek flow or sediment accumulation over the sampling device.

ID: identification
PCB: polychlorinated biphenyl
DUP: duplicate sample

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

Location		SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01
Field Sample ID		SW-01-U-20230420	SW-01-F-20230420	SW-01-U-20230727	SW-01-F-20230727	SW-01-U-20231018	SW-DUP-U-20231018	SW-01-F-20231018	SW-01-U-20240222	SW-01-F-20240222	SW-01-U-20240417
Sample Date		4/20/2023	4/20/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	4/17/2024
QA Type		Original	Original	Original	Original	Original	Field Duplicate	Original	Original	Original	Original
Parameter	**Unit**										
Chromium	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chromium VI	µg/L	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Lead	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Suspended Solids	mg/L	3	--	11	--	2.5 U	2.5 U	--	2.5 U	--	3.4
PCBs, Homolog Specific											
Monochlorobiphenyl	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U
Dichlorobiphenyl	µg/L	0.00033 J	0.00027 J	0.000096 J	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00033 J	0.00008 U	0.00041 J
Trichlorobiphenyl	µg/L	0.0023 J	0.00004 U	0.00047 J	0.00004 U	0.000053 J	0.000043 J	0.00004 U	0.0015	0.00008 U	0.0024 J
Tetrachlorobiphenyl	µg/L	0.0022 J	0.00008 U	0.00039 J	0.00008 U	0.0001 J	0.000091 J	0.00008 U	0.0008 J	0.00008 U	0.0022 J
Pentachlorobiphenyl	µg/L	0.00046 J	0.00008 U	0.0001 J	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000098 J	0.00008 U	0.00051 J
Hexachlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
Heptachlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
Octachlorobiphenyl	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
Nonachlorobiphenyl	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
Decachlorobiphenyl	µg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00016 U	0.00016 U	0.00016 U
Total PCB, Homolog specific	**µg/L**	**0.0053 J**	**0.00027 J**	**0.0011 J**	**< 0.00004 J**	**0.00027 J**	**0.00013 J**	**< 0.00004 J**	**0.0027 J**	**< 0.00008 J**	**0.0055 J**
PCBs, Congener Specific											
PCB Congener #1	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #2	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #3	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #4	µg/L	0.00018 J	0.00027	0.000055	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.00014	0.00008 U	0.00016 J
PCB Congener #5	µg/L	0.000045 UJ	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #6	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #7	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #8	µg/L	0.00004 UJ	0.00004 U	0.000041	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.000082	0.00008 U	0.00012
PCB Congener #9	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #10	µg/L	0.000045 UJ	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #11	µg/L	0.0003 UJ	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #12 + 013	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #14	µg/L	0.000045 UJ	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #15	µg/L	0.00015 J	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.00011	0.00008 U	0.00013
PCB Congener #16	µg/L	0.00025	0.00004 U	0.00004	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00018	0.00008 U	0.0002
PCB Congener #17	µg/L	0.0002	0.00004 U	0.000041 J	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00014	0.00008 U	0.00017
PCB Congener #18 + 030	µg/L	0.00041	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00029	0.00016 U	0.0004
PCB Congener #19	µg/L	0.0001	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #20 + 028	µg/L	0.00048	0.00008 U	0.00017	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0003	0.00016 U	0.00057
PCB Congener #21 + 033	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00016 U	0.00016 U	0.00023
PCB Congener #22	µg/L	0.000072 J	0.00004 U	0.000054	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.000092	0.00008 U	0.00018
PCB Congener #23	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #24	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #25	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #26 + 029	µg/L	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #27	µg/L	0.000058	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #31	µg/L	0.00034	0.00004 U	0.00012	0.00004 U	0.000053	0.000043	0.00004 U	0.0003	0.00008 U	0.0004
PCB Congener #32	µg/L	0.00011	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00011	0.00008 U	0.0001
PCB Congener #34	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #35	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #36	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #37	µg/L	0.00014 J	0.00004 U	0.000042	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.000091	0.00008 U	0.00012
PCB Congener #38	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #39	µg/L	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #40 + 071	µg/L	0.0002	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016
PCB Congener #41	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #42	µg/L	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000093

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01
	Field Sample ID	SW-01-U-20230420	SW-01-F-20230420	SW-01-U-20230727	SW-01-F-20230727	SW-01-U-20231018	SW-DUP-U-20231018	SW-01-F-20231018	SW-01-U-20240222	SW-01-F-20240222	SW-01-U-20240417
	Sample Date	4/20/2023	4/20/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	4/17/2024
	QA Type	Original	Original	Original	Original	Original	Field Duplicate	Original	Original	Original	Original
Parameter	**Unit**										
PCB Congener #43	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #44 + 047 + 065	µg/L	0.00044	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00032	0.00024 U	0.00042
PCB Congener #45	µg/L	0.00014	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #46	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #48	µg/L	0.000084 J	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #49 + 069	µg/L	0.00025	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.0002
PCB Congener #50 + 053	µg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #51	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #52	µg/L	0.00046	0.00008 U	0.0002	0.00008 U	0.0001	0.000091	0.00008 U	0.00025	0.00008 U	0.00045
PCB Congener #54	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #55	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000088	0.00008 U	0.00008 U
PCB Congener #56	µg/L	0.000088	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00011
PCB Congener #57	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #58	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #59 + 062 + 075	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #60	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #61 + 070 + 074 + 076	µg/L	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00033
PCB Congener #63	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #64	µg/L	0.00024	0.00008 U	0.0001	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00014	0.00008 U	0.00018
PCB Congener #66	µg/L	0.0002	0.00008 U	0.00009	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00021
PCB Congener #67	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #68	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #72	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #73	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #77	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #78	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #79	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #80	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #81	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #82	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #83	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #84	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #85 + 116 + 117	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #86 + 087 + 097 + 109 + 119 + 125	µg/L	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U
PCB Congener #88	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #89	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #90 + 101 + 113	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #91	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #92	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #93 + 100	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #94	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #95	µg/L	0.00018	0.00008 U	0.0001	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000098	0.00008 U	0.00017
PCB Congener #96	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #98 + 102	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #99	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #103	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #104	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #105	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #106	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #107	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #108 + 124	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #110 + 115	µg/L	0.00016	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.0002
PCB Congener #111	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01
	Field Sample ID	SW-01-U-20230420	SW-01-F-20230420	SW-01-U-20230727	SW-01-F-20230727	SW-01-U-20231018	SW-DUP-U-20231018	SW-01-F-20231018	SW-01-U-20240222	SW-01-F-20240222	SW-01-U-20240417
	Sample Date	4/20/2023	4/20/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	4/17/2024
	QA Type	Original	Original	Original	Original	Original	Field Duplicate	Original	Original	Original	Original
Parameter	**Unit**										
PCB Congener #112	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #114	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #118	µg/L	0.00012	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00014
PCB Congener #120	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #121	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #122	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #123	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #126	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #127	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #128 + 166	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #129 + 138 + 163	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #130	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #131	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #132	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #133	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #134	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #135 + 151	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #136	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #137	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #139 + 140	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #141	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #142	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #143	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #144	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #145	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #146	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #147 + 149	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #148	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #150	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #152	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #153 + 168	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #154	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #155	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #156 + 157	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #158	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #159	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #160	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #161	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #162	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #164	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #165	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #167	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #169	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #170	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #171 + 173	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #172	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #174	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #175	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #176	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #177	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #178	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #179	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #180 + 193	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #181	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

Location		SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01
Field Sample ID		SW-01-U-20230420	SW-01-F-20230420	SW-01-U-20230727	SW-01-F-20230727	SW-01-U-20231018	SW-DUP-U-20231018	SW-01-F-20231018	SW-01-U-20240222	SW-01-F-20240222	SW-01-U-20240417
Sample Date		4/20/2023	4/20/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	4/17/2024
QA Type		Original	Original	Original	Original	Original	Field Duplicate	Original	Original	Original	Original
Parameter	**Unit**										
PCB Congener #182	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #184	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB-183/185	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #186	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #187	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #188	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #189	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #190	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #191	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #192	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #194	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
PCB Congener #195	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #196	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #198 + 199	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00016 U	0.00016 U	0.00016 U
PCB-197/200	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #201	µg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #202	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #203	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #204	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #205	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #206	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #207	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #208	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Total PCB, Congener Specific	**µg/L**	**0.0053 J**	**0.00027**	**0.0011 J**	**0.00004 U**	**0.00027 J**	**0.00013 J**	**0.00004 U**	**0.0027**	**0.00008 U**	**0.0054**

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

Location		SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-02	SW-02
Field Sample ID		SW-01-F-20240417	SW-01-U-20240918	SW-DUP-U-20240918	SW-01-F-20240918	SW-01-U-20241203	SW-01-F-20241203	SW-01-U-20250312	SW-01-F-20250312	SW-02-U-20230420	SW-DUP-U-20230420
Sample Date		4/17/2024	9/18/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	4/20/2023	4/20/2023
QA Type		Original	Original	Field Duplicate	Original	Original	Original	Original	Original	Original	Field Duplicate
Parameter	**Unit**										
Chromium	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chromium VI	µg/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	25 UJ	25 UJ	10 U	10 U
Lead	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Suspended Solids	mg/L	--	2.7	2.5 U	--	2 U	--	2.5 U	--	2.5 U	2.5 U
PCBs, Homolog Specific											
Monochlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0021 J	0.002
Dichlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 U	0.012 J	0.012 J
Trichlorobiphenyl	µg/L	0.00008 U	0.00069 J	0.00069 J	0.00008 U	0.00039 J	0.00008 U	0.0023 J	0.00008 U	0.0074 J	0.0077 J
Tetrachlorobiphenyl	µg/L	0.00008 U	0.00073 J	0.0007 J	0.00008 U	0.00016 J	0.00008 U	0.0016 J	0.00008 U	0.0083 J	0.0092 J
Pentachlorobiphenyl	µg/L	0.00008 U	0.00018 J	0.00018 J	0.00008 U	0.00008 U	0.00008 U	0.00023 J	0.00008 U	0.0043 J	0.005 J
Hexachlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.002 J	0.0021 J
Heptachlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00069 J	0.00075 J
Octachlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
Nonachlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00011 J	0.00008 U	0.00013	0.00014
Decachlorobiphenyl	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.001 U	0.001 U
Total PCB, Homolog specific	**µg/L**	**< 0.00008 J**	**0.0016 J**	**0.0016 J**	**< 0.00008 J**	**0.00055 J**	**< 0.00008 J**	**0.0042 J**	**< 0.00008 J**	**0.037 J**	**0.039 J**
PCBs, Congener Specific											
PCB Congener #1	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.0021	0.002
PCB Congener #2	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0002 U	0.0002 U
PCB Congener #3	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0002 U	0.0002 U
PCB Congener #4	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ U	0.00008 U	0.0089 J	0.0091 J
PCB Congener #5	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000045 UJ	0.000045 UJ
PCB Congener #6	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00027 J	0.00025 J
PCB Congener #7	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000048 J	0.000043 J
PCB Congener #8	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00045 J	0.00052 J
PCB Congener #9	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000055 J	0.000041 J
PCB Congener #10	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0013 J	0.0012 J
PCB Congener #11	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.0003 UJ	0.0003 UJ
PCB Congener #12 + 013	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #14	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000045 UJ	0.000045 UJ
PCB Congener #15	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00013	0.00008 U	0.00084 J	0.0008
PCB Congener #16	µg/L	0.00008 U	0.000095	0.000095	0.00008 U	0.000095	0.00008 U	0.0003	0.00008 U	0.00013 J	0.00016
PCB Congener #17	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00017	0.00008 U	0.00087 J	0.00086
PCB Congener #18 + 030	µg/L	0.00016 U	0.00018	0.00018	0.00016 U	0.00016 U	0.00016 U	0.00037	0.00016 U	0.00079 J	0.00086
PCB Congener #19	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000098	0.00008 U	0.002 J	0.0022
PCB Congener #20 + 028	µg/L	0.00016 U	0.00023	0.00023	0.00016 U	0.00017	0.00016 U	0.00043	0.00016 U	0.00087 J	0.00093
PCB Congener #21 + 033	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00017	0.00016 U	0.00008 J	0.000084 J
PCB Congener #22	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00016	0.00008 U	0.00013 J	0.00014
PCB Congener #23	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00004 UJ	0.00004 U
PCB Congener #24	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00004 UJ	0.00004 U
PCB Congener #25	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00027 J	0.00028
PCB Congener #26 + 029	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00049 J	0.00046
PCB Congener #27	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	< 0.00008	0.00008 U	0.00008 U	0.00008 U	0.00058 J	0.00061
PCB Congener #31	µg/L	0.00008 U	0.00018	0.00018	0.00008 U	0.00012	0.00008 U	0.00037	0.00008 U	0.00081 J	0.00077
PCB Congener #32	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000099	0.00008 U	0.00025 J	0.00025
PCB Congener #34	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00004 UJ	0.00004 U
PCB Congener #35	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00004 UJ	0.00004 U
PCB Congener #36	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00004 UJ	0.00004 U
PCB Congener #37	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000092	0.00008 U	0.00012	0.00012
PCB Congener #38	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00004 UJ	0.00004 U
PCB Congener #39	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00004 UJ	0.00004 U
PCB Congener #40 + 071	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00044 J	0.00047 J
PCB Congener #41	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #42	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000095	0.00008 U	0.00032 J	0.00035 J

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-02	SW-02
	Field Sample ID	SW-01-F-20240417	SW-01-U-20240918	SW-DUP-U-20240918	SW-01-F-20240918	SW-01-U-20241203	SW-01-F-20241203	SW-01-U-20250312	SW-01-F-20250312	SW-02-U-20230420	SW-DUP-U-20230420
	Sample Date	4/17/2024	9/18/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	4/20/2023	4/20/2023
	QA Type	Original	Original	Field Duplicate	Original	Original	Original	Original	Original	Original	Field Duplicate
Parameter	**Unit**										
PCB Congener #43	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #44 + 047 + 065	µg/L	0.00024 U	0.00026	0.00025	0.00024 U	0.00024 U	0.00024 U	0.0004	0.00024 U	0.0014 J	0.0015 J
PCB Congener #45	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00011 J	0.00014 J
PCB Congener #46	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.000098 J
PCB Congener #48	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #49 + 069	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00021	0.00016 U	0.0011 J	0.0012 J
PCB Congener #50 + 053	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00053 J	0.00063 J
PCB Congener #51	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00019 J	0.00019 J
PCB Congener #52	µg/L	0.00008 U	0.00024	0.00023	0.00008 U	0.00016	0.00008 U	0.00008 U U	0.00008 U	0.002 J	0.0022 J
PCB Congener #54	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 J	0.00013 J
PCB Congener #55	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #56	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000081	0.00008 U	0.00023 J	0.00024 J
PCB Congener #57	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #58	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #59 + 062 + 075	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 UJ	0.00024 UJ
PCB Congener #60	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.000081 J
PCB Congener #61 + 070 + 074 + 076	µg/L	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00071 J	0.00074 J
PCB Congener #63	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #64	µg/L	0.00008 U	0.00012	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00014	0.00008 U	0.00055 J	0.00057 J
PCB Congener #66	µg/L	0.00008 U	0.00011	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00014	0.00008 U	0.0006 J	0.00063 J
PCB Congener #67	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #68	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #72	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #73	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #77	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #78	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #79	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #80	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 UJ	0.00008 UJ
PCB Congener #81	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #82	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000089	0.000096
PCB Congener #83	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #84	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00022	0.00024
PCB Congener #85 + 116 + 117	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #86 + 087 + 097 + 109 + 119 + 125	µg/L	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00052
PCB Congener #88	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #89	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #90 + 101 + 113	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00076	0.00081
PCB Congener #91	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00015	0.00016 J
PCB Congener #92	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00017	0.00017
PCB Congener #93 + 100	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #94	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #95	µg/L	0.00008 U	0.00009	0.000091	0.00008 U	0.00008 U	0.00008 U	0.00013	0.00008 U	0.00096	0.001
PCB Congener #96	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #98 + 102	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.0002 U	0.0002 U
PCB Congener #99	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00033	0.00036
PCB Congener #103	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #104	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #105	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00022	0.00023
PCB Congener #106	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #107	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #108 + 124	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #110 + 115	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00086	0.0009
PCB Congener #111	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-02	SW-02
	Field Sample ID	SW-01-F-20240417	SW-01-U-20240918	SW-DUP-U-20240918	SW-01-F-20240918	SW-01-U-20241203	SW-01-F-20241203	SW-01-U-20250312	SW-01-F-20250312	SW-02-U-20230420	SW-DUP-U-20230420
	Sample Date	4/17/2024	9/18/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	4/20/2023	4/20/2023
	QA Type	Original	Original	Field Duplicate	Original	Original	Original	Original	Original	Original	Field Duplicate
Parameter	**Unit**										
PCB Congener #112	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #114	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #118	µg/L	0.00008 U	0.000088	0.000087	0.00008 U	0.00008 U	0.00008 U	0.000097	0.00008 U	0.0005	0.0005
PCB Congener #120	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #121	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #122	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #123	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #126	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #127	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #128 + 166	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #129 + 138 + 163	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00056	0.00058
PCB Congener #130	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #131	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #132	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00018	0.00019
PCB Congener #133	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #134	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #135 + 151	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.0002	0.00021
PCB Congener #136	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #137	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #139 + 140	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #141	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00011 J	0.00012
PCB Congener #142	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #143	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #144	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #145	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #146	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000083	0.000092
PCB Congener #147 + 149	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00042	0.00046
PCB Congener #148	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #150	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #152	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #153 + 168	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00042	0.00045
PCB Congener #154	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0002 U	0.0002 U
PCB Congener #155	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #156 + 157	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #158	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #159	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #160	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #161	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #162	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #164	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #165	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #167	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #169	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #170	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00011	0.00012
PCB Congener #171 + 173	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #172	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #174	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00013	0.00014
PCB Congener #175	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #176	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #177	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #178	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #179	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #180 + 193	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00025	0.00027
PCB Congener #181	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

Location		SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-02	SW-02
Field Sample ID		SW-01-F-20240417	SW-01-U-20240918	SW-DUP-U-20240918	SW-01-F-20240918	SW-01-U-20241203	SW-01-F-20241203	SW-01-U-20250312	SW-01-F-20250312	SW-02-U-20230420	SW-DUP-U-20230420
Sample Date		4/17/2024	9/18/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	4/20/2023	4/20/2023
QA Type		Original	Original	Field Duplicate	Original	Original	Original	Original	Original	Original	Field Duplicate
Parameter	**Unit**										
PCB Congener #182	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #184	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB-183/185	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #186	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #187	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.0002	0.00022
PCB Congener #188	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0002 U	0.0002 U
PCB Congener #189	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #190	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #191	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #192	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #194	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
PCB Congener #195	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
PCB Congener #196	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
PCB Congener #198 + 199	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00024 U	0.00024 U
PCB-197/200	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00024 U	0.00024 U
PCB Congener #201	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.0004 U	0.0004 U
PCB Congener #202	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
PCB Congener #203	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
PCB Congener #204	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
PCB Congener #205	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
PCB Congener #206	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00011	0.00008 U	0.00013	0.00014
PCB Congener #207	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00012 U	0.00012 U
PCB Congener #208	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Total PCB, Congener Specific	**µg/L**	**0.00008 U**	**0.0016**	**0.0016**	**0.00008 U**	**0.00055**	**0.00008 U**	**0.0038**	**0.00008 U**	**0.037 J**	**0.039 J**

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
	Field Sample ID	SW-02-F-20230420	SW-02-U-20230727	SW-DUP-U-20230727	SW-02-F-20230727	SW-02-U-20231018	SW-02-F-20231018	SW-02-U-20240222	SW-DUP-U-20240222	SW-02-F-20240222	SW-02-U-20240417
	Sample Date	4/20/2023	7/27/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	2/22/2024	4/17/2024
	QA Type	Original	Original	Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original
Parameter	**Unit**										
Chromium	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U
Chromium VI	µg/L	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ
Lead	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Suspended Solids	mg/L	--	2.5 U	2.5 U	--	2.5 U	--	2.5 U	2.5 U	--	2.5 U
PCBs, Homolog Specific											
Monochlorobiphenyl	µg/L	0.00028 J	0.0025	0.0029	0.0002 U	0.0025	0.0002 U	0.0041	0.0041	0.00008 U	0.00022
Dichlorobiphenyl	µg/L	0.0008 J	0.011 J	0.012 J	0.0018 J	0.0071 J	0.000082 J	0.01 J	0.011 J	0.000086 J	0.006 J
Trichlorobiphenyl	µg/L	0.00025 J	0.0069	0.0065 J	0.00085 J	0.004	0.00004 U	0.0061	0.0065	0.00008 U	0.0036 J
Tetrachlorobiphenyl	µg/L	0.00012 J	0.0082 J	0.0073 J	0.00023 J	0.0042 J	0.00008 U	0.0067 J	0.0071 J	0.00008 U	0.0041 J
Pentachlorobiphenyl	µg/L	0.00008 U	0.0036 J	0.0036 J	0.00012 J	0.0026 J	0.00008 U	0.004 J	0.0047 J	0.00008 U	0.0025 J
Hexachlorobiphenyl	µg/L	0.00008 U	0.0015 J	0.0012 J	0.00008 U	0.0012 J	0.00008 U	0.0023 J	0.0023 J	0.00008 U	0.0012 J
Heptachlorobiphenyl	µg/L	0.00008 U	0.00043 J	0.00041 J	0.00008 U	0.0003 J	0.00008 U	0.00051 J	0.00068 J	0.00008 U	0.00038 J
Octachlorobiphenyl	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.0003 J	0.0003 J	0.00008 U	0.00008 U
Nonachlorobiphenyl	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00027	0.00025	0.00008 U	0.000098 J
Decachlorobiphenyl	µg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0003	0.00024	0.00016 U	0.00016 U
Total PCB, Homolog specific	**µg/L**	**0.0015 J**	**0.034 J**	**0.034 J**	**0.0030 J**	**0.022 J**	**0.000082 J**	**0.035 J**	**0.037 J**	**0.000086 J**	**0.018 J**
PCBs, Congener Specific											
PCB Congener #1	µg/L	0.00028	0.0025	0.0029	0.0002 U	0.0025	0.0002 U	0.004	0.004	0.00016 U	0.00022
PCB Congener #2	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #3	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00012	0.00012	0.00008 U	0.00008 U
PCB Congener #4	µg/L	0.00054 J	0.0085	0.0093	0.0014	0.0053	0.000082	0.0073	0.0077	0.000086	0.005
PCB Congener #5	µg/L	0.000045 UJ	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #6	µg/L	0.000043 J	0.00026	0.00027	0.000042 J	0.0002	0.00004 U	0.0003	0.00035	0.00008 U	0.00008 U
PCB Congener #7	µg/L	0.00004 UJ	0.000047 J	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #8	µg/L	0.000066 J	0.00043	0.0005	0.000058	0.00039	0.00004 U	0.00073	0.00076	0.00008 U	0.00008 U
PCB Congener #9	µg/L	0.00004 UJ	0.000043 J	0.000043 J	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #10	µg/L	0.000091 J	0.001	0.00095	0.00015	0.00086	0.000045 U	0.0013	0.0014	0.00008 U	0.00065
PCB Congener #11	µg/L	0.0003 UJ	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #12 + 013	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #14	µg/L	0.000045 UJ	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #15	µg/L	0.00006 J	0.0007	0.00069	0.0001	0.00034	0.000045 U	0.00062	0.00065	0.00008 U	0.00032
PCB Congener #16	µg/L	0.00004 UJ	0.000087	0.000075	0.00004 U	0.000052	0.00004 U	0.00015	0.00015	0.00008 U	0.00008 U
PCB Congener #17	µg/L	0.000059 J	0.00072	0.00068	0.000096 J	0.00053	0.00004 U	0.00076	0.00083	0.00008 U	0.00033 J
PCB Congener #18 + 030	µg/L	0.00008 UJ	0.00067	0.00059	0.000093	0.00051	0.00008 U	0.00078	0.00084	0.00016 U	0.00042
PCB Congener #19	µg/L	0.00014 J	0.0024	0.0021	0.00033	0.0012	0.00004 U	0.0016	0.0017	0.00008 U	0.0017
PCB Congener #20 + 028	µg/L	0.00008 UJ	0.00074	0.00074	0.0001	0.00008 U	0.00008 U	0.00052	0.00056	0.00016 U	0.0003
PCB Congener #21 + 033	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00037	0.00008 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #22	µg/L	0.00004 UJ	0.00012	0.00013	0.00004 U	0.000052	0.00004 U	0.0001	0.00011	0.00008 U	0.00008 U
PCB Congener #23	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #24	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #25	µg/L	0.00004 UJ	0.00023	0.00023	0.00004 U	0.00012	0.00004 U	0.00018	0.0002	0.00008 U	0.00008 U
PCB Congener #26 + 029	µg/L	0.00008 UJ	0.00043	0.00042	0.00008 U	0.00022	0.00008 U	0.00036	0.00037	0.00016 U	0.00016 U
PCB Congener #27	µg/L	0.00004 UJ	0.00046	0.00042	0.000064	0.00033	0.00004 U	0.00047	0.00049	0.00008 U	0.00034
PCB Congener #31	µg/L	0.000053 J	0.00057	0.0006	0.000086	0.00033	0.00004 U	0.00059	0.00061	0.00008 U	0.00016
PCB Congener #32	µg/L	0.00004 UJ	0.00041	0.00042	0.000077	0.00027	0.00004 U	0.0005	0.00053	0.00008 U	0.00032
PCB Congener #34	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #35	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #36	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #37	µg/L	0.00004 U	0.0001	0.0001	0.00004 U	0.000053	0.00004 U	0.000097	0.00011	0.00008 U	0.00008 U
PCB Congener #38	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #39	µg/L	0.00004 UJ	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #40 + 071	µg/L	0.00016 UJ	0.00043	0.0004	0.00016 U	0.00024	0.00016 U	0.00041	0.00046	0.00016 U	0.00026
PCB Congener #41	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #42	µg/L	0.00008 UJ	0.00028	0.00027	0.00008 U	0.00016	0.00008 U	0.00026	0.00028	0.00008 U	0.00015

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
	Field Sample ID	SW-02-F-20230420	SW-02-U-20230727	SW-DUP-U-20230727	SW-02-F-20230727	SW-02-U-20231018	SW-02-F-20231018	SW-02-U-20240222	SW-DUP-U-20240222	SW-02-F-20240222	SW-02-U-20240417
	Sample Date	4/20/2023	7/27/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	2/22/2024	4/17/2024
	QA Type	Original	Original	Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original
Parameter	**Unit**										
PCB Congener #43	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #44 + 047 + 065	µg/L	0.00024 UJ	0.0013	0.0012	0.00024 U	0.00073	0.00024 U	0.0012	0.0012	0.00024 U	0.00075
PCB Congener #45	µg/L	0.00008 UJ	0.00014	0.00012 J	0.00008 U	0.00008 U	0.00008 U	0.00012	0.00013	0.00008 U	0.00008 U
PCB Congener #46	µg/L	0.00008 UJ	0.000085	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #48	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #49 + 069	µg/L	0.00016 UJ	0.0011	0.00096	0.00016 U	0.00067	0.00016 U	0.0009	0.00095	0.00016 U	0.00053
PCB Congener #50 + 053	µg/L	0.0003 UJ	0.00062	0.00052	0.0003 U	0.00039	0.0003 U	0.00048	0.00052	0.00016 U	0.00034
PCB Congener #51	µg/L	0.00008 UJ	0.00023	0.00018	0.00008 U	0.00013	0.00008 U	0.0002	0.00022	0.00008 U	0.00017
PCB Congener #52	µg/L	0.00012 J	0.002	0.0017	0.00023	0.0012	0.00008 U	0.0017	0.0018	0.00008 U	0.0012
PCB Congener #54	µg/L	0.00008 UJ	0.00013	0.00013	0.00008 U	0.00008 U	0.00008 U	0.000083	0.000096	0.00008 U	0.00008 U
PCB Congener #55	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00034	0.00036	0.00008 U	0.00008 U
PCB Congener #56	µg/L	0.00008 UJ	0.0002	0.00021	0.00008 U	0.0001	0.00008 U	0.00015	0.00016	0.00008 U	0.0001
PCB Congener #57	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #58	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #59 + 062 + 075	µg/L	0.00024 UJ	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #60	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #61 + 070 + 074 + 076	µg/L	0.00032 UJ	0.0006	0.00061	0.00032 U	0.00032 U	0.00032 U	0.00045	0.00046	0.00032 U	0.00032 U
PCB Congener #63	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #64	µg/L	0.00008 UJ	0.00054	0.00049	0.00008 U	0.00033	0.00008 U	0.00044	0.00049	0.00008 U	0.00027
PCB Congener #66	µg/L	0.00008 UJ	0.0005	0.0005	0.00008 U	0.00027	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00028
PCB Congener #67	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #68	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #72	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #73	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #77	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #78	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #79	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #80	µg/L	0.00008 UJ	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #81	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #82	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000087	0.000092	0.00008 U	0.00008 U
PCB Congener #83	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #84	µg/L	0.00008 U	0.00021	0.00022	0.00008 U	0.00014	0.00008 U	0.00023	0.00025	0.00008 U	0.00012
PCB Congener #85 + 116 + 117	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #86 + 087 + 097 + 109 + 119 + 125	µg/L	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00049	0.00048 U	0.00048 U
PCB Congener #88	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #89	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #90 + 101 + 113	µg/L	0.00024 U	0.00067	0.00063	0.00024 U	0.00054	0.00024 U	0.00079	0.00082	0.00024 U	0.00045
PCB Congener #91	µg/L	0.00008 U	0.00016	0.00013 J	0.00008 U	0.00012	0.00008 U	0.00016	0.00017	0.00008 U	0.000097
PCB Congener #92	µg/L	0.00008 U	0.00015	0.00015	0.00008 U	0.00012	0.00008 U	0.00018	0.00019	0.00008 U	0.000099
PCB Congener #93 + 100	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #94	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #95	µg/L	0.00008 U	0.00081	0.00086	0.00012	0.00051	0.00008 U	0.00074	0.00081	0.00008 U	0.00054
PCB Congener #96	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #98 + 102	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #99	µg/L	0.00008 U	0.00029	0.00026 J	0.00008 U	0.00025	0.00008 U	0.00034	0.00034	0.00008 U	0.00021
PCB Congener #103	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #104	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #105	µg/L	0.00008 U	0.00018	0.00018	0.00008 U	0.00011	0.00008 U	0.00017	0.00018	0.00008 U	0.00013
PCB Congener #106	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #107	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #108 + 124	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #110 + 115	µg/L	0.00016 U	0.00076	0.00075	0.00016 U	0.0006	0.00016 U	0.0009	0.00092	0.00016 U	0.00057
PCB Congener #111	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
	Field Sample ID	SW-02-F-20230420	SW-02-U-20230727	SW-DUP-U-20230727	SW-02-F-20230727	SW-02-U-20231018	SW-02-F-20231018	SW-02-U-20240222	SW-DUP-U-20240222	SW-02-F-20240222	SW-02-U-20240417
	Sample Date	4/20/2023	7/27/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	2/22/2024	4/17/2024
	QA Type	Original	Original	Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original
Parameter	**Unit**										
PCB Congener #112	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #114	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #118	µg/L	0.00008 U	0.0004	0.0004	0.00008 U	0.00025	0.00008 U	0.00038	0.0004	0.00008 U	0.0003
PCB Congener #120	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #121	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #122	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #123	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #126	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #127	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #128 + 166	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #129 + 138 + 163	µg/L	0.00024 U	0.00043	0.00042	0.00024 U	0.00036	0.00024 U	0.0006	0.00059	0.00024 U	0.00044
PCB Congener #130	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #131	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #132	µg/L	0.00008 U	0.00015	0.00013	0.00008 U	0.0001	0.00008 U	0.0002	0.0002	0.00008 U	0.00011
PCB Congener #133	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #134	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #135 + 151	µg/L	0.00016 U	0.00017	0.00016 U	0.00016 U	0.00017	0.00016 U	0.00029	0.00028	0.00016 U	0.00016 U
PCB Congener #136	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000094	0.000096	0.00008 U	0.00008 U
PCB Congener #137	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #139 + 140	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #141	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000092	0.000092	0.00008 U	0.00008 U
PCB Congener #142	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #143	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #144	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #145	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #146	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00011	0.0001	0.00008 U	0.00008 U
PCB Congener #147 + 149	µg/L	0.00016 U	0.00038	0.00037	0.00016 U	0.00029	0.00016 U	0.00049	0.00049	0.00016 U	0.00033
PCB Congener #148	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #150	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #152	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #153 + 168	µg/L	0.00016 U	0.00032	0.00032	0.00016 U	0.0003	0.00016 U	0.00046	0.00046	0.00016 U	0.00032
PCB Congener #154	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #155	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #156 + 157	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #158	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #159	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #160	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #161	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #162	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #164	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #165	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #167	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #169	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #170	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #171 + 173	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #172	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #174	µg/L	0.00008 U	0.000096	0.000096	0.00008 U	0.00008 U	0.00008 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #175	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #176	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #177	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000083	0.00008 U	0.00008 U
PCB Congener #178	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #179	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008	0.00008 U	0.00008 U
PCB Congener #180 + 193	µg/L	0.00016 U	0.00018	0.00017	0.00016 U	0.00016	0.00016 U	0.00027	0.00027	0.00016 U	0.0002
PCB Congener #181	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

Location		SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
Field Sample ID		SW-02-F-20230420	SW-02-U-20230727	SW-DUP-U-20230727	SW-02-F-20230727	SW-02-U-20231018	SW-02-F-20231018	SW-02-U-20240222	SW-DUP-U-20240222	SW-02-F-20240222	SW-02-U-20240417
Sample Date		4/20/2023	7/27/2023	7/27/2023	7/27/2023	10/18/2023	10/18/2023	2/22/2024	2/22/2024	2/22/2024	4/17/2024
QA Type		Original	Original	Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original
Parameter	**Unit**										
PCB Congener #182	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #184	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB-183/185	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #186	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #187	µg/L	0.00008 U	0.00015	0.00014	0.00008 U	0.00014	0.00008 U	0.00024	0.00025	0.00016 U	0.00018
PCB Congener #188	µg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #189	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #190	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #191	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #192	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #194	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
PCB Congener #195	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #196	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #198 + 199	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00019	0.00019	0.00016 U	0.00016 U
PCB-197/200	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #201	µg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #202	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #203	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00011	0.00011	0.00008 U	0.00008 U
PCB Congener #204	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #205	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #206	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00027	0.00025	0.00008 U	0.000098
PCB Congener #207	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #208	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Total PCB, Congener Specific	**µg/L**	**0.0015 J**	**0.034 J**	**0.034 J**	**0.0030 J**	**0.022 J**	**0.000082 J**	**0.035**	**0.037**	**0.000086**	**0.018 J**

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
	Field Sample ID	SW-DUP-U-20240417	SW-02-F-20240417	SW-02-U-20240918	SW-02-F-20240918	SW-02-U-20241203	SW-DUP-U-20241203	SW-02-F-20241203	SW-02-U-20250312	SW-DUP-U-20250312	SW-02-F-20250312
	Sample Date	4/17/2024	4/17/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	3/12/2025
	QA Type	Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Parameter	**Unit**										
Chromium	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chromium VI	µg/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	14 J	25 U	25 U	25 U
Lead	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Suspended Solids	mg/L	2.5 U	--	2.5 U	--	2 U	2 U	--	2.5 U	2.5 U	--
PCBs, Homolog Specific											
Monochlorobiphenyl	µg/L	0.00026 J	0.00008 U	0.0038	0.00008 U	0.0033	0.0033	0.00008 U	0.00008 U	0.00008 U	0.00008
Dichlorobiphenyl	µg/L	0.0062	0.00008 U	0.011 J	0.00008 U	0.0092 J	0.0092 J	0.00008 U	0.012 J	0.011	0.00008 UJ
Trichlorobiphenyl	µg/L	0.0039 J	0.00008 U	0.0064 J	0.00008 U	0.0058 J	0.0057 J	0.00008 U	0.0077	0.0064	0.000094 J
Tetrachlorobiphenyl	µg/L	0.0052 J	0.00008 U	0.0077 J	0.00008 U	0.0047 J	0.0044	0.00008 U	0.012 J	0.0069 J	0.00008 UJ
Pentachlorobiphenyl	µg/L	0.0027 J	0.00008 U	0.0052 J	0.00008 U	0.0025 J	0.0024 J	0.00008 U	0.0058 J	0.0032 J	0.00008
Hexachlorobiphenyl	µg/L	0.0014 J	0.00008 U	0.0028 J	0.00008 U	0.0012 J	0.0011 J	0.00008 U	0.0021 J	0.0018 J	0.00008
Heptachlorobiphenyl	µg/L	0.00042 J	0.00008 U	0.0012 J	0.00008 U	0.0004 J	0.00034	0.00008 U	0.00057 J	0.00056 J	0.00008
Octachlorobiphenyl	µg/L	0.00008 U	0.00008 U	0.00029	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000082	0.000083	0.00008
Nonachlorobiphenyl	µg/L	0.0001 J	0.00008 U	0.00014 J	0.00008 U	0.000092 J	0.000087	0.00008 U	0.00014	0.00014 J	0.00008
Decachlorobiphenyl	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016	0.00016	0.00016
Total PCB, Homolog specific	**µg/L**	**0.020 J**	**< 0.00008 J**	**0.039 J**	**< 0.00008 J**	**0.027 J**	**0.027 J**	**< 0.00008 J**	**0.040 J**	**0.030 J**	**0.000094 J**
PCBs, Congener Specific											
PCB Congener #1	µg/L	0.00026	0.00016 U	0.0037	0.00016 U	0.0032	0.0032	0.00016 U	0.00016 U U	0.00008 U	0.00016 U
PCB Congener #2	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #3	µg/L	0.00008 U	0.00008 U	0.000084	0.00008 U	0.00009	0.000092	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #4	µg/L	0.0051	0.00008 U	0.0084	0.00008 U	0.007	0.0069	0.00008 U	0.0089	0.0082	0.00008 U
PCB Congener #5	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #6	µg/L	0.00008 U	0.00008 U	0.00031	0.00008 U	0.00027	0.00028	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #7	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #8	µg/L	0.00008 U	0.00008 U	0.00068	0.00008 U	0.00051	0.00055	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #9	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #10	µg/L	0.00072	0.00008 U	0.0012	0.00008 U	0.001	0.001	0.00008 U	0.0015	0.0013	0.00008 U
PCB Congener #11	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #12 + 013	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000082 J	0.00008 U	0.00008 U
PCB Congener #14	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #15	µg/L	0.00033	0.00008 U	0.00054	0.00008 U	0.00046	0.00047	0.00008 U	0.00065	0.00054	0.00008 U
PCB Congener #16	µg/L	0.00008 U	0.00008 U	0.00013	0.00008 U	0.0001	0.00011	0.00008 U	0.00023	0.00016	0.00008 U
PCB Congener #17	µg/L	0.00042 J	0.00008 U	0.00075	0.00008 U	0.00062	0.00062	0.00008 U	0.00084	0.00071	0.00008 U
PCB Congener #18 + 030	µg/L	0.00049	0.00016 U	0.00079	0.00016 U	0.00072	0.00073	0.00016 U	0.0012	0.00094	0.00016 U
PCB Congener #19	µg/L	0.0018	0.00008 U	0.002	0.00008 U	0.002	0.0019	0.00008 U	0.0025	0.0022	0.000094
PCB Congener #20 + 028	µg/L	0.00029	0.00016 U	0.00062	0.00016 U	0.0005	0.00049	0.00016 U	0.00061	0.00049	0.00016 U
PCB Congener #21 + 033	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #22	µg/L	0.00008 U	0.00008 U	0.00011	0.00008 U	0.00008	0.00008 U	0.00008 U	0.00013	0.000096	0.00008 U
PCB Congener #23	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #24	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #25	µg/L	0.00008 U	0.00008 U	0.00019	0.00008 U	0.00018	0.00019	0.00008 U	0.00022	0.00019	0.00008 U
PCB Congener #26 + 029	µg/L	0.00016 U	0.00016 U	0.0003	0.00016 U	0.00028	0.00029	0.00016 U	0.00035	0.0003	0.00016 U
PCB Congener #27	µg/L	0.00036	0.00008 U	0.00049	0.00008 U	0.00047	0.00049	0.00008 U	0.00063	0.00055	0.00008 U
PCB Congener #31	µg/L	0.00017	0.00008 U	0.00047	0.00008 U	0.00051	0.00052	0.00008 U	0.00061	0.00043	0.00008 U
PCB Congener #32	µg/L	0.00036	0.00008 U	0.0005	0.00008 U	0.00037	0.00038	0.00008 U	0.00038	0.00031	0.00008 U
PCB Congener #34	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #35	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #36	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #37	µg/L	0.00008 U	0.00008 U	0.00009	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #38	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #39	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #40 + 071	µg/L	0.0003	0.00016 U	0.00047	0.00016 U	0.00026	0.00026	0.00016 U	0.0005	0.00038	0.00016 U
PCB Congener #41	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #42	µg/L	0.00018	0.00008 U	0.00027	0.00008 U	0.00015	0.00014	0.00008 U	0.0003	0.00024	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

	Location	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
	Field Sample ID	SW-DUP-U-20240417	SW-02-F-20240417	SW-02-U-20240918	SW-02-F-20240918	SW-02-U-20241203	SW-DUP-U-20241203	SW-02-F-20241203	SW-02-U-20250312	SW-DUP-U-20250312	SW-02-F-20250312
	Sample Date	4/17/2024	4/17/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	3/12/2025
	QA Type	Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Parameter	Unit										
PCB Congener #43	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #44 + 047 + 065	µg/L	0.00087	0.00024 U	0.0013	0.00024 U	0.00077	0.00079	0.00024 U	0.0021 J	0.0012 J	0.00024 U
PCB Congener #45	µg/L	0.000085	0.00008 U	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00014	0.0001 J	0.00008 U
PCB Congener #46	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000094	0.00008 U	0.00008 U
PCB Congener #48	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #49 + 069	µg/L	0.00064	0.00016 U	0.00099	0.00016 U	0.00061	0.00062	0.00016 U	0.0012	0.00084	0.00016 U
PCB Congener #50 + 053	µg/L	0.00041	0.00016 U	0.00056	0.00016 U	0.00039	0.0004	0.00016 U	0.00068	0.00057	0.00016 U
PCB Congener #51	µg/L	0.0002	0.00008 U	0.00027	0.00008 U	0.00017	0.00018	0.00008 U	0.00026	0.00024	0.00008 U
PCB Congener #52	µg/L	0.0015	0.00008 U	0.002	0.00008 U	0.0013	0.0013	0.00008 U	0.0048 J	0.002 J	0.00008 U
PCB Congener #54	µg/L	0.00008 U	0.00008 U	0.000099	0.00008 U	0.000089	0.00008	0.00008 U	0.00013	0.0001	0.00008 U
PCB Congener #55	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #56	µg/L	0.00011	0.00008 U	0.00018	0.00008 U	0.0001	0.000097	0.00008 U	0.00017	0.00013	0.00008 U
PCB Congener #57	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #58	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #59 + 062 + 075	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #60	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #61 + 070 + 074 + 076	µg/L	0.00034	0.00032 U	0.00053	0.00032 U	0.00032	0.00032 U	0.00032 U	0.00092 J	0.0004 J	0.00032 U
PCB Congener #63	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #64	µg/L	0.00032	0.00008 U	0.00046	0.00008 U	0.00024	0.00025	0.00008 U	0.00054 J	0.00036 J	0.00008 U
PCB Congener #66	µg/L	0.00029	0.00008 U	0.00046	0.00008 U	0.00027	0.00026	0.00008 U	0.00041 J	0.0003 J	0.00008 U
PCB Congener #67	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #68	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #72	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #73	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #77	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #78	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #79	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #80	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #81	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #82	µg/L	0.00008 U	0.00008 U	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00011	0.000083	0.00008 U
PCB Congener #83	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #84	µg/L	0.00014	0.00008 U	0.00023	0.00008 U	0.00012	0.00012	0.00008 U	0.00042 J	0.00018 J	0.00008 U
PCB Congener #85 + 116 + 117	µg/L	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
PCB Congener #86 + 087 + 097 + 109 + 119 + 125	µg/L	0.00048 U	0.00048 U	0.00057	0.00048 U	0.00048 U	0.00048 U	0.00048 U	0.00061	0.00048 U	0.00048 U
PCB Congener #88	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #89	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #90 + 101 + 113	µg/L	0.0005	0.00024 U	0.00086	0.00024 U	0.00047	0.00044	0.00024 U	0.00098 J	0.00062 J	0.00024 U
PCB Congener #91	µg/L	0.00011	0.00008 U	0.00019	0.00008 U	0.00011	0.0001	0.00008 U	0.00022	0.00014	0.00008 U
PCB Congener #92	µg/L	0.00011	0.00008 U	0.00019	0.00008 U	0.00011	0.0001	0.00008 U	0.00021	0.00014	0.00008 U
PCB Congener #93 + 100	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #94	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #95	µg/L	0.00057	0.00008 U	0.0008	0.00008 U	0.00045	0.00045	0.00008 U	0.0014 J	0.00061 J	0.00008 U
PCB Congener #96	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #98 + 102	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #99	µg/L	0.00024	0.00008 U	0.00045	0.00008 U	0.00024	0.00023	0.00008 U	0.00038 J	0.00028 J	0.00008 U
PCB Congener #103	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #104	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #105	µg/L	0.00015	0.00008 U	0.00022	0.00008 U	0.00014	0.00012	0.00008 U	0.00015	0.00013	0.00008 U
PCB Congener #106	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #107	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #108 + 124	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #110 + 115	µg/L	0.00059	0.00016 U	0.0011	0.00016 U	0.00056	0.00053	0.00016 U	0.001 J	0.0007 J	0.00016 U
PCB Congener #111	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

Location		SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
Field Sample ID		SW-DUP-U-20240417	SW-02-F-20240417	SW-02-U-20240918	SW-02-F-20240918	SW-02-U-20241203	SW-DUP-U-20241203	SW-02-F-20241203	SW-02-U-20250312	SW-DUP-U-20250312	SW-02-F-20250312
Sample Date		4/17/2024	4/17/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	3/12/2025
QA Type		Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Parameter	**Unit**										
PCB Congener #112	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #114	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #118	µg/L	0.00032	0.00008 U	0.00048	0.00008 U	0.00031	0.00028	0.00008 U	0.00034	0.00028	0.00008 U
PCB Congener #120	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #121	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #122	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #123	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #126	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #127	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #128 + 166	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #129 + 138 + 163	µg/L	0.00046	0.00024 U	0.00079	0.00024 U	0.00045	0.00039	0.00024 U	0.00053	0.00051	0.00024 U
PCB Congener #130	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #131	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #132	µg/L	0.00012	0.00008 U	0.0002	0.00008 U	0.00012	0.000099	0.00008 U	0.00018	0.00015	0.00008 U
PCB Congener #133	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #134	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #135 + 151	µg/L	0.00016	0.00016 U	0.00027	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00023	0.0002	0.00016 U
PCB Congener #136	µg/L	0.00008 U	0.00008 U	0.000094	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000092	0.00008 U	0.00008 U
PCB Congener #137	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #139 + 140	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #141	µg/L	0.00008 U	0.00008 U	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000086	0.00008 U	0.00008 U
PCB Congener #142	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #143	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #144	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #145	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #146	µg/L	0.00008 U	0.00008 U	0.00012	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000084	0.00009	0.00008 U
PCB Congener #147 + 149	µg/L	0.00036	0.00016 U	0.0006	0.00016 U	0.00032	0.00031	0.00016 U	0.00049	0.00044	0.00016 U
PCB Congener #148	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #150	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #152	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #153 + 168	µg/L	0.00033	0.00016 U	0.00058	0.00016 U	0.00031	0.00029	0.00016 U	0.00038	0.00038	0.00016 U
PCB Congener #154	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #155	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #156 + 157	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #158	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #159	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #160	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #161	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #162	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #164	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #165	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #167	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #169	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #170	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #171 + 173	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #172	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #174	µg/L	0.00016 U	0.00016 U	0.0002	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #175	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #176	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #177	µg/L	0.00008 U	0.00008 U	0.00013	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000096	0.000094	0.00008 U
PCB Congener #178	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #179	µg/L	0.00008 U	0.00008 U	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #180 + 193	µg/L	0.00021	0.00016 U	0.00035	0.00016 U	0.00021	0.00017	0.00016 U	0.00026	0.00026	0.00016 U
PCB Congener #181	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U

Table 6-4. Baseline Surface Water Sample Analytical Results: Grab Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston Alabama

Location		SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
Field Sample ID		SW-DUP-U-20240417	SW-02-F-20240417	SW-02-U-20240918	SW-02-F-20240918	SW-02-U-20241203	SW-DUP-U-20241203	SW-02-F-20241203	SW-02-U-20250312	SW-DUP-U-20250312	SW-02-F-20250312
Sample Date		4/17/2024	4/17/2024	9/18/2024	9/18/2024	12/3/2024	12/3/2024	12/3/2024	3/12/2025	3/12/2025	3/12/2025
QA Type		Field Duplicate	Original	Original	Original	Original	Field Duplicate	Original	Original	Field Duplicate	Original
Parameter	**Unit**										
PCB Congener #182	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #184	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB-183/185	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #186	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #187	µg/L	0.00021	0.00016 U	0.00036	0.00016 U	0.00019	0.00017	0.00016 U	0.00021	0.00021	0.00016 U
PCB Congener #188	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #189	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #190	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #191	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #192	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #194	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
PCB Congener #195	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #196	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #198 + 199	µg/L	0.00016 U	0.00016 U	0.00018	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB-197/200	µg/L	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
PCB Congener #201	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #202	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #203	µg/L	0.00008 U	0.00008 U	0.00011	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.000082	0.000083	0.00008 U
PCB Congener #204	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #205	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #206	µg/L	0.0001	0.00008 U	0.00014	0.00008 U	0.000092	0.000087	0.00008 U	0.00014	0.00014	0.00008 U
PCB Congener #207	µg/L	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB Congener #208	µg/L	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Total PCB, Congener Specific	**µg/L**	**0.020 J**	**0.00008 U**	**0.039**	**0.00008 U**	**0.027**	**0.026**	**0.00008 U**	**0.040 J**	**0.029 J**	**0.000094**

Notes:
1. Metals concentrations are quantified by USEPA Methods 6010C and 7196A.
2. Total suspended solids concentrations are quantified by USEPA Method 2540D.
3. Total PCB homolog specific concentrations are quantified by USEPA Method 1668A.
4. Total PCB congener specific concentrations are quantified by USEPA Method 1668A.
--: not sampled
J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.
mg/L: milligrams per liter
µg/L: micrograms per liter
PCB: polychlorinated biphenyl
QA: quality assurance
U: Indicates the compound or analyte was analyzed for but not detected at or above the specified limit
UJ: Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated
USEPA: United States Environmental Protection Agency

Table 6-5. Baseline Surface Water Sample Analytical Results: Passive Samples
OU-1/OU-2 Predesign Investigation
Anniston PCB Site, Anniston, Alabama

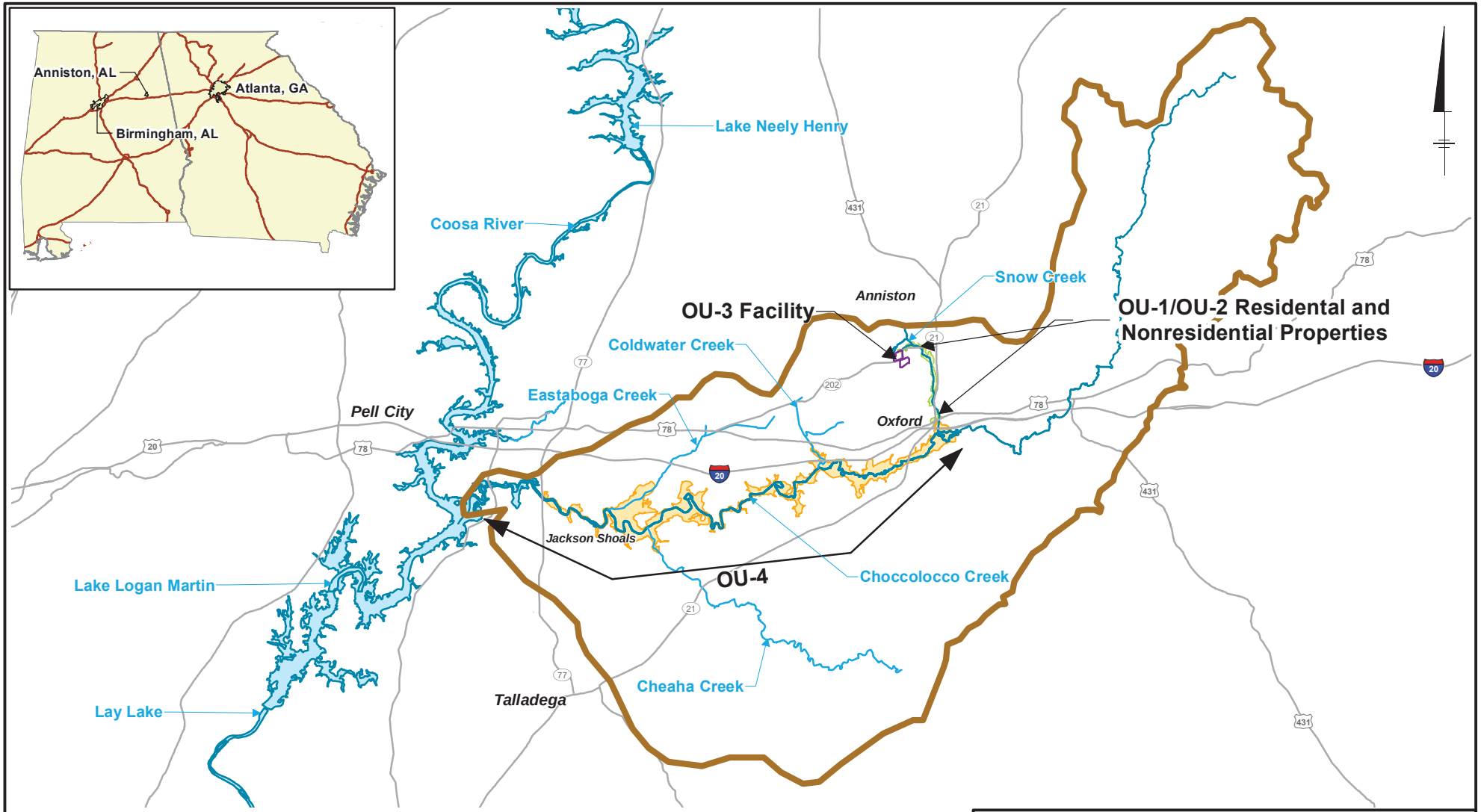
Location		SW-01				
Field Sample ID		SW-01-P-20230727	SW-01-P-20240305	SW-01-P-20240918	SW-DUP-P-20240918	SW-01-P-20250515
Sample Date		7/27/2023	3/5/2024	9/18/2024	9/18/2024	5/15/2025
QA Type		Original	Original	Original	Field Duplicate	Original
Parameter	**Unit**					
Monochlorobiphenyl	µg/L	0.0000036 U	0.000077 J	0.0000092 UJ	0.0000076 UJ	0.000018 J
Dichlorobiphenyl	µg/L	0.00011 J	0.0039 J	0.0023 J	0.0028 J	0.0000039 U
Trichlorobiphenyl	µg/L	0.00058 J	0.014 J	0.0052 J	0.0067 J	0.0049 J
Tetrachlorobiphenyl	µg/L	0.00053 J	0.0061 J	0.0028 J	0.0032 J	0.0028 J
Pentachlorobiphenyl	µg/L	0.00017 J	0.00089 J	0.00088 J	0.00099 J	0.00074 J
Hexachlorobiphenyl	µg/L	0.000046 J	0.00019 J	0.00025 J	0.00026 J	0.00015 J
Heptachlorobiphenyl	µg/L	0.0000085 J	0.000023 J	0.00005 J	0.000053 J	0.000000033 U
Octachlorobiphenyl	µg/L	0.0000016 J	0.0000034 J	0.0000083 J	0.0000095 J	0.000000008 U
Nonachlorobiphenyl	µg/L	0.00000072	0.00000045 J	0.0000026 J	0.0000032 J	0.00000092 J
Decachlorobiphenyl	µg/L	0.00000025	0.00000048 J	0.00000074 J	0.00000098 J	0.00000031
Total PCB, Homolog specific	**µg/L**	**0.0014 J**	**0.025 J**	**0.012 J**	**0.014 J**	**0.0086 J**

Location		SW-02						
Field Sample ID		SW-02-P-20230727	SW-DUP-P-20230727	SW-02-P-20240305	SW-DUP-P-20240305	SW-02-P-20240918	SW-02-P-20250515	SW-DUP-P-202500515
Sample Date		7/27/2023	7/27/2023	3/5/2024	3/5/2024	9/18/2024	5/15/2025	5/15/2025
QA Type		Original	Field Duplicate	Original	Original	Original	Original	Field Duplicate
Parameter	**Unit**							
Monochlorobiphenyl	µg/L	0.0026	0.004 J	0.0036 J	0.0037 J	0.0025 J	0.0052	0.0042
Dichlorobiphenyl	µg/L	0.0063	0.0083	0.0061 J	0.0066 J	0.0072 J	0.0093	0.0087 J
Trichlorobiphenyl	µg/L	0.0057	0.0071	0.0057 J	0.0059 J	0.0058 J	0.0076 J	0.0073 J
Tetrachlorobiphenyl	µg/L	0.0079	0.0089	0.0062 J	0.0065 J	0.0066 J	0.0068 J	0.0066 J
Pentachlorobiphenyl	µg/L	0.0042	0.0034 J	0.0023 J	0.0025 J	0.0043 J	0.0026 J	0.0024 J
Hexachlorobiphenyl	µg/L	0.0013 J	0.00074 J	0.00064 J	0.00079 J	0.0018 J	0.00045 J	0.0004 J
Heptachlorobiphenyl	µg/L	0.00032 J	0.00014 J	0.00012 J	0.00017 J	0.00056 J	0.000066 J	0.000057 J
Octachlorobiphenyl	µg/L	0.000056	0.000019 J	0.000019 J	0.000029 J	0.00011 J	0.0000079 J	0.0000066 J
Nonachlorobiphenyl	µg/L	0.000013	0.0000033	0.0000046 J	0.0000087 J	0.000021 J	0.0000012 J	0.00000098
Decachlorobiphenyl	µg/L	0.0000032	0.00000073	0.0000011 J	0.0000017 J	0.0000048 J	0.00000031	0.00000019
Total PCB, Homolog specific	**µg/L**	**0.028 J**	**0.033 J**	**0.025 J**	**0.026 J**	**0.029 J**	**0.032 J**	**0.030 J**

Notes:
1. Total PCB Homolog specific concentrations are quantified by USEPA Method 1668A.
J: The analyte was positively identified; however, the associated numerical value is estimated due to bias of associated quality control or calibration data or attributable to matrix interference.
µg/L: micrograms per liter
PCB: polychlorinated biphenyl
QA: quality assurance
U: Indicates the compound or analyte was analyzed for but not detected at or above the specified limit
UJ: Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated
USEPA: United States Environmental Protection Agency

FIGURES

City: SYR Div/Group: SWG Created By: K.IVES Last Saved By: ldrum
Anniston (B0010291.2010.00001)
Q:\Anniston_PCB_site\AnnistonAL\MXDs_Printfiles\Reports\OU1_2_FeasibilityStudy\mxd\Fig1-1_SitePlan.mxd 3/5/2016 8:45:20 AM



Legend

- Approximate Choccolocco Creek Watershed Boundary as Delineated in Basins 2.0
- OU-4 100-Year Floodplain
- OU-1/OU-2 Downgradient Floodplain
- OU-3 Boundary

Notes:
OU: operable unit
PCB: polychlorinated biphenyl

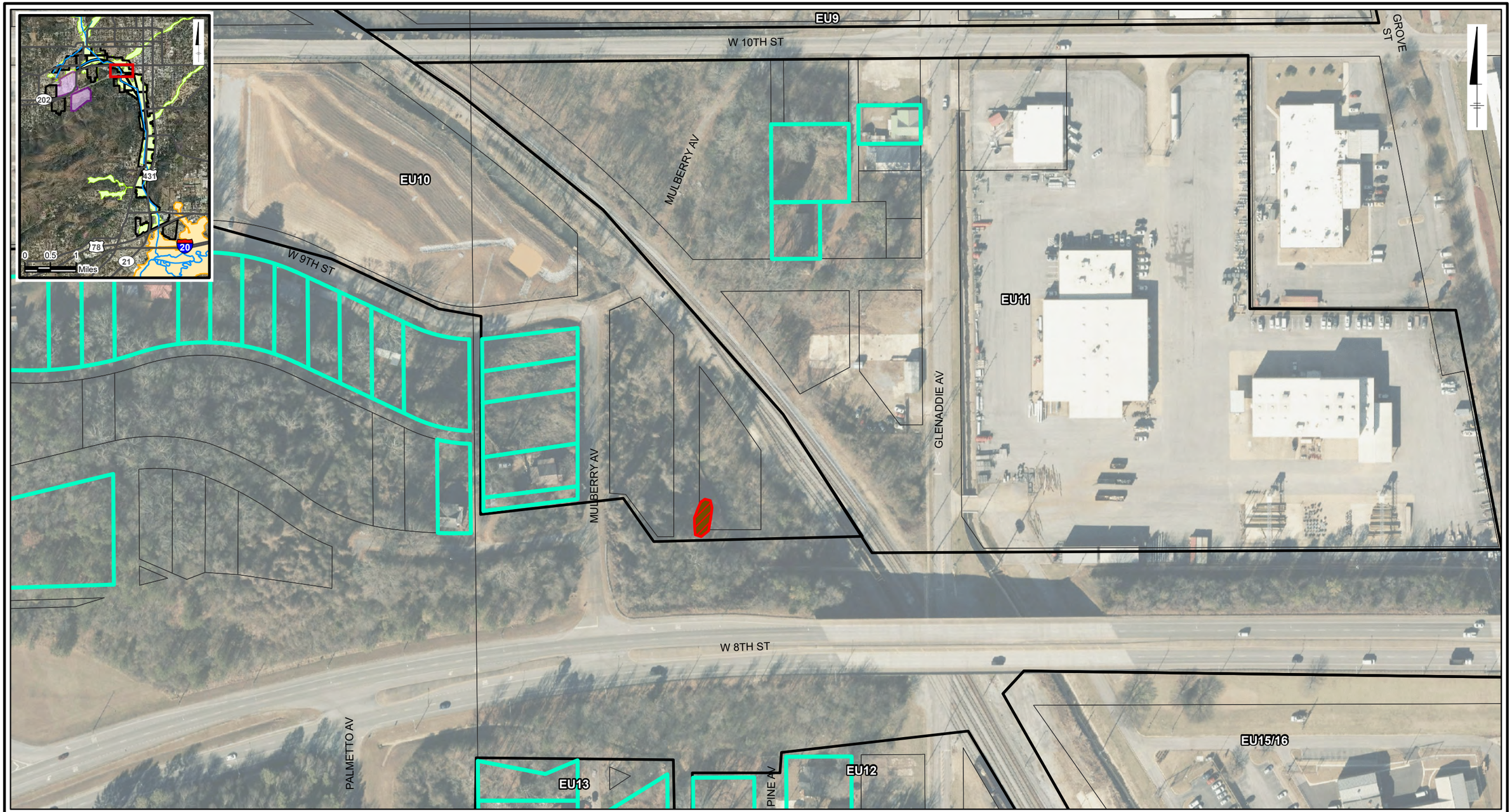
Anniston PCB Site
Anniston, Alabama

OU-1/OU-2 Predesign Investigation

Anniston Site Location Map

Solutia
A wholly-owned subsidiary of Eastman

Figure
1-1



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥21 to <97 mg/kg
- Dredge Spoil Pile
- Special Use Parcel Boundary
- All Parcels
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 150 300
Graphic Scale (Feet)

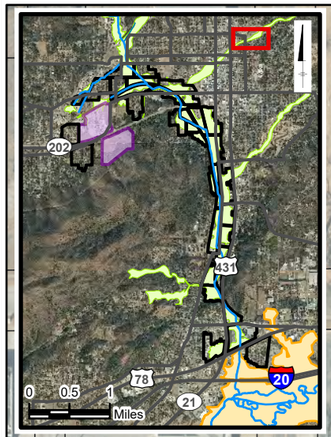
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Composite Results for Dredge Spoil Pile SC-2

Solutia. A wholly-owned subsidiary of Eastman

Figure **2-1**

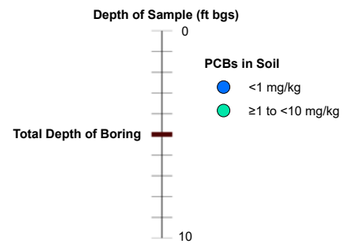
City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\A\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/8/2025 9:06 PM



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample
- <1 mg/kg
- ≥1 to <10 mg/kg

- Special Use: Low-Activity Area
- All Parcels
- Special Use Parcel Boundary
- Low-Activity Subarea



Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 150 300
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

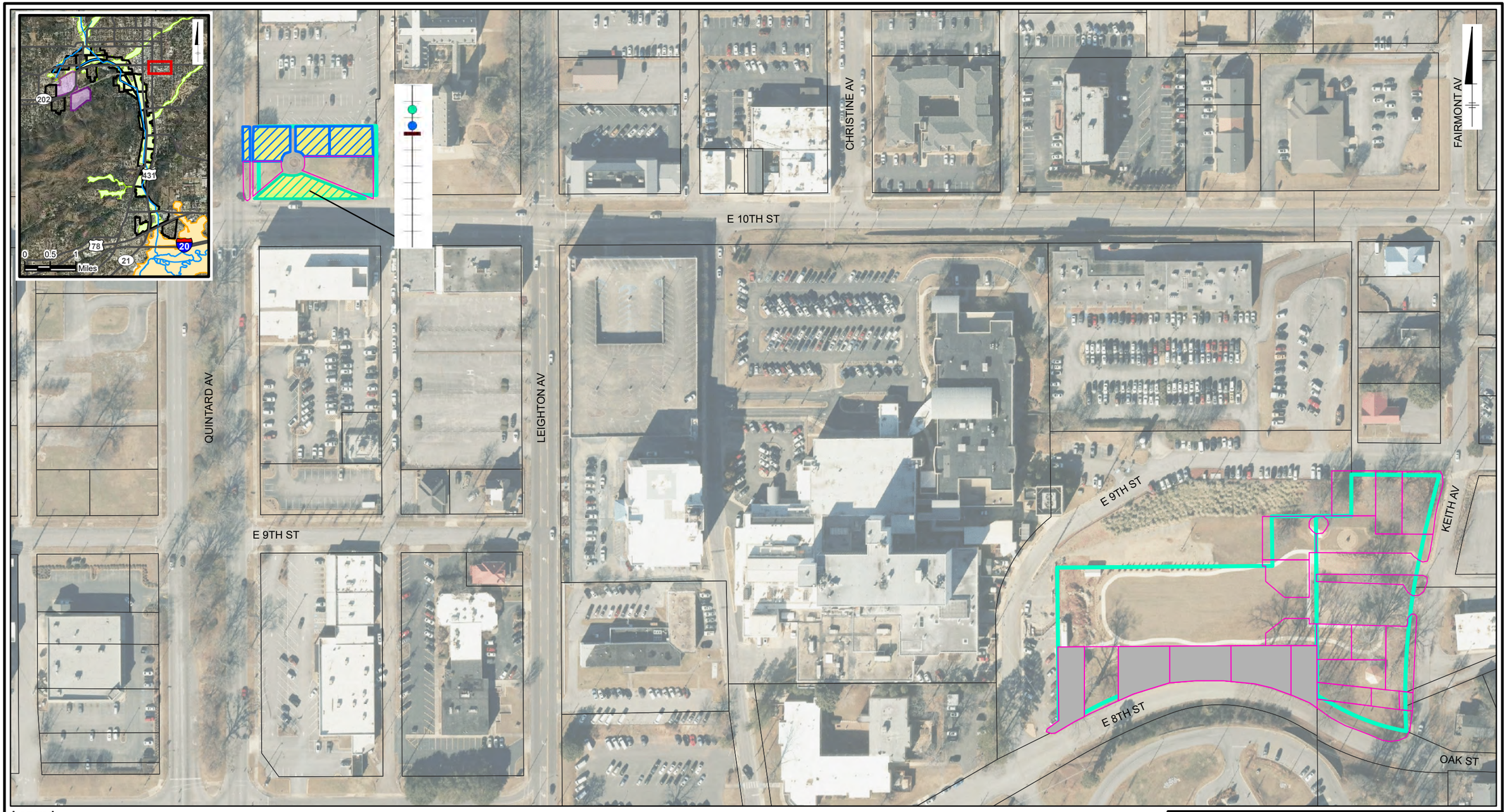
Soil Sampling Results: Low-Activity Special Use Areas

(PPIN 21033)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-2a

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\AA\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/8/2025 9:06 PM

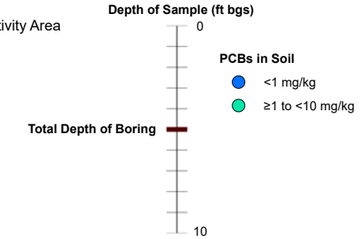


Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- <1 mg/kg
- ≥1 to <10 mg/kg

- No Longer Special Use: Low-Activity Area
- Special Use: Low-Activity Area
- All Parcels
- Special Use Parcel Boundary
- Low-Activity Subarea



Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 150 300
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

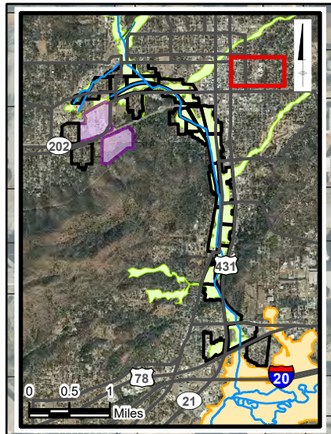
Soil Sampling Results: Low-Activity Special Use Areas

(PPIN 17523, 18084)

Solutia
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Figure 2-2b

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\AAnniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/8/2025 9:06 PM



E 14TH ST

E 13TH ST

E 12TH ST

E 11TH ST

LEIGHTON AV

CHRISTINE AV

WOODSTOCK AV

HIGHLAND AV

MARGUERITE AV

MCCALL DR

GLENDALE RD

CRESCENT AV

CHAMPAIGN AV

CALHOUN PL

ALTAMONT RD

FAIRMONT AV

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

<1 mg/kg

Special Use: Low-Activity Area

All Parcels

Special Use Parcel Boundary

Low-Activity Subarea

No Longer Special Use: Low-Activity Area

Notes:

1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyls

0 225 450

Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

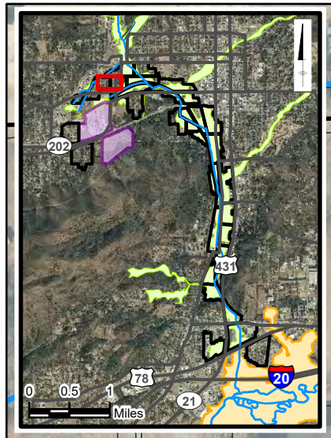
Soil Sampling Results: Low-Activity Special Use Areas

(PPIN 20579)

Solutia
A wholly-owned subsidiary of Eastman

Figure
2-2c

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\A\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/8/2025 6:37 PM



EU4

W 12TH ST

EU2

EU3

DUNCAN AV

PARKWIN AV

CLYDESDALE AV

FERRON AV

W 11TH ST

COMMERCE ST

W 11TH ST

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- <1 mg/kg
- No Longer Special Use: Low-Activity Area
- Special Use: Low-Activity Area
- All Parcels
- Special Use Parcel Boundary
- Low-Activity Subarea
- West 9th Street Creek
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyls

0 100 200
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

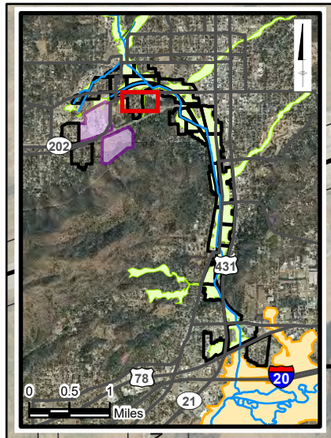
Soil Sampling Results Low-Activity Special Use Areas

(PPIN 32123)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-2d

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\Al\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/9/2025 3:05 PM



EU5

EU6

W 10TH ST

W 8TH ST

W 8TH ST

W 9TH ST

INDUSTRIAL AV

WASHER HILL AV

BOYNTON

MONTROSE AV

MCDANIEL AV

ZINN PARKWAY DR

MOSES ST

ANDRE FRANKLIN DR

BROCKMAN AV

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

<1 mg/kg

No Longer Special Use: Low-Activity Area

Special Use: Low-Activity Area

All Parcels

Special Use Parcel Boundary

Low-Activity Subarea

Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyls

0 150 300
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

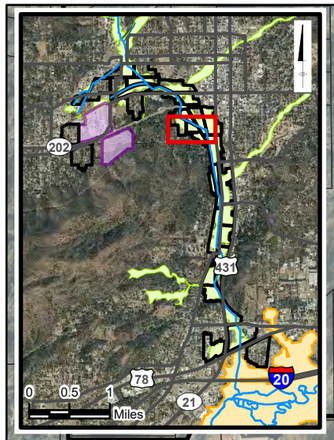
Soil Sampling Results: Low-Activity Special Use Areas

(PPIN 18536, 32375, 62824)

Solutia
A wholly-owned subsidiary of Eastman

Figure
2-2e

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\AAnniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/9/2025 3:05 PM



EU12

EU13

EU14 North

EU14 South

EU15

EU15/16

EU16

EU17

W 6TH ST

W 5TH ST

W 4TH ST

PINE AV

MULBERRY AV

PALMETTO AV

GLENADDIE AV

CHESTNUT AV

WALNUT AV

N SPRUCE AV

POWELL ST

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

<1 mg/kg

No Longer Special Use: Low-Activity Area

Special Use: Low-Activity Area

All Parcels

Special Use Parcel Boundary

Low-Activity Subarea

Snow Creek

Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit

0 200 400
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

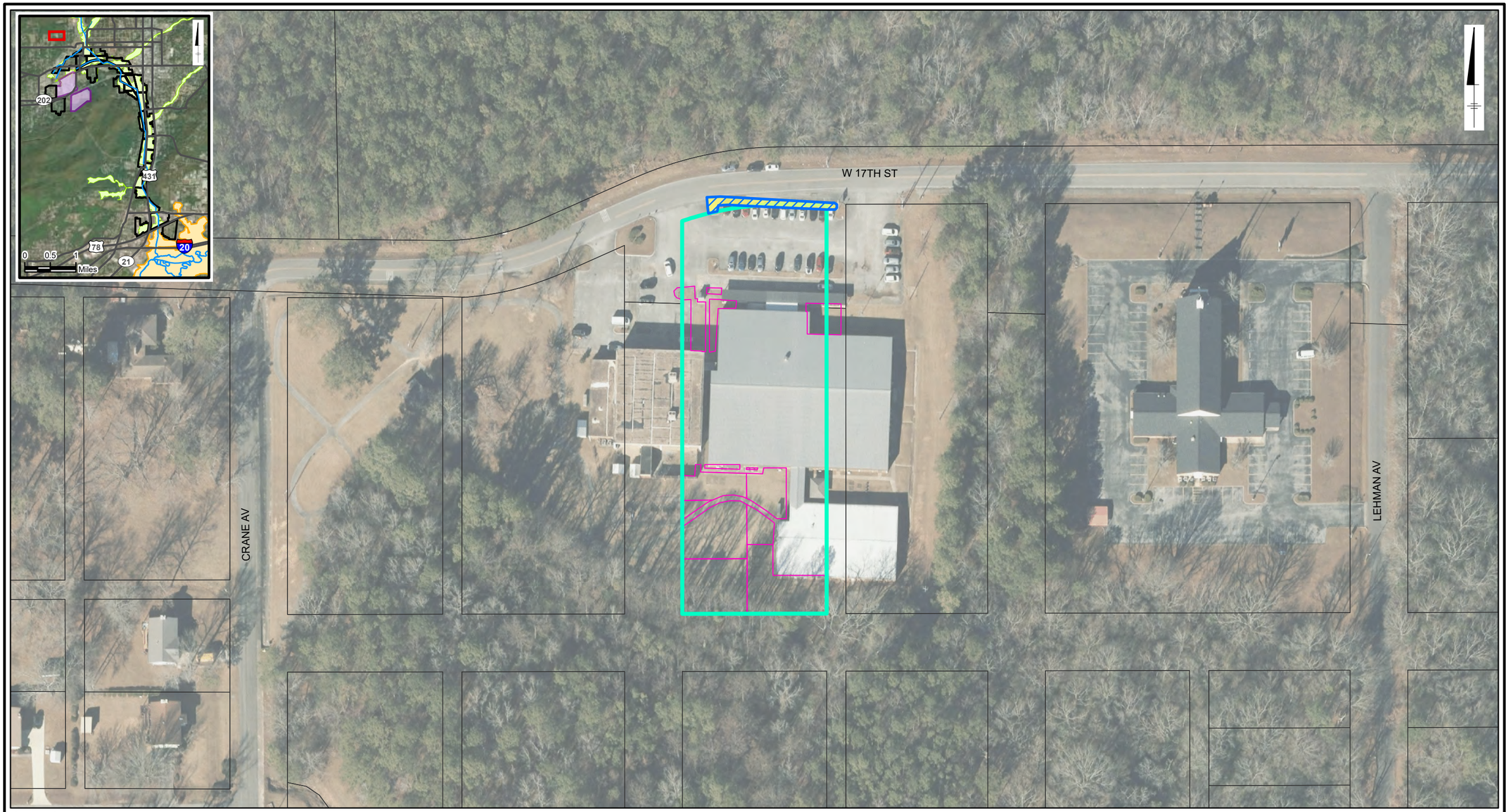
Soil Sampling Results: Low-Activity Special Use Areas

(PPIN 18122, 18591, 18628, 63275)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-2f

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\AA\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/9/2025 3:31 PM



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- <1 mg/kg
- Special Use: Low-Activity Area
- Special Use Parcel Boundary
- Low-Activity Subarea
- All Parcels

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyls

0 100 200 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

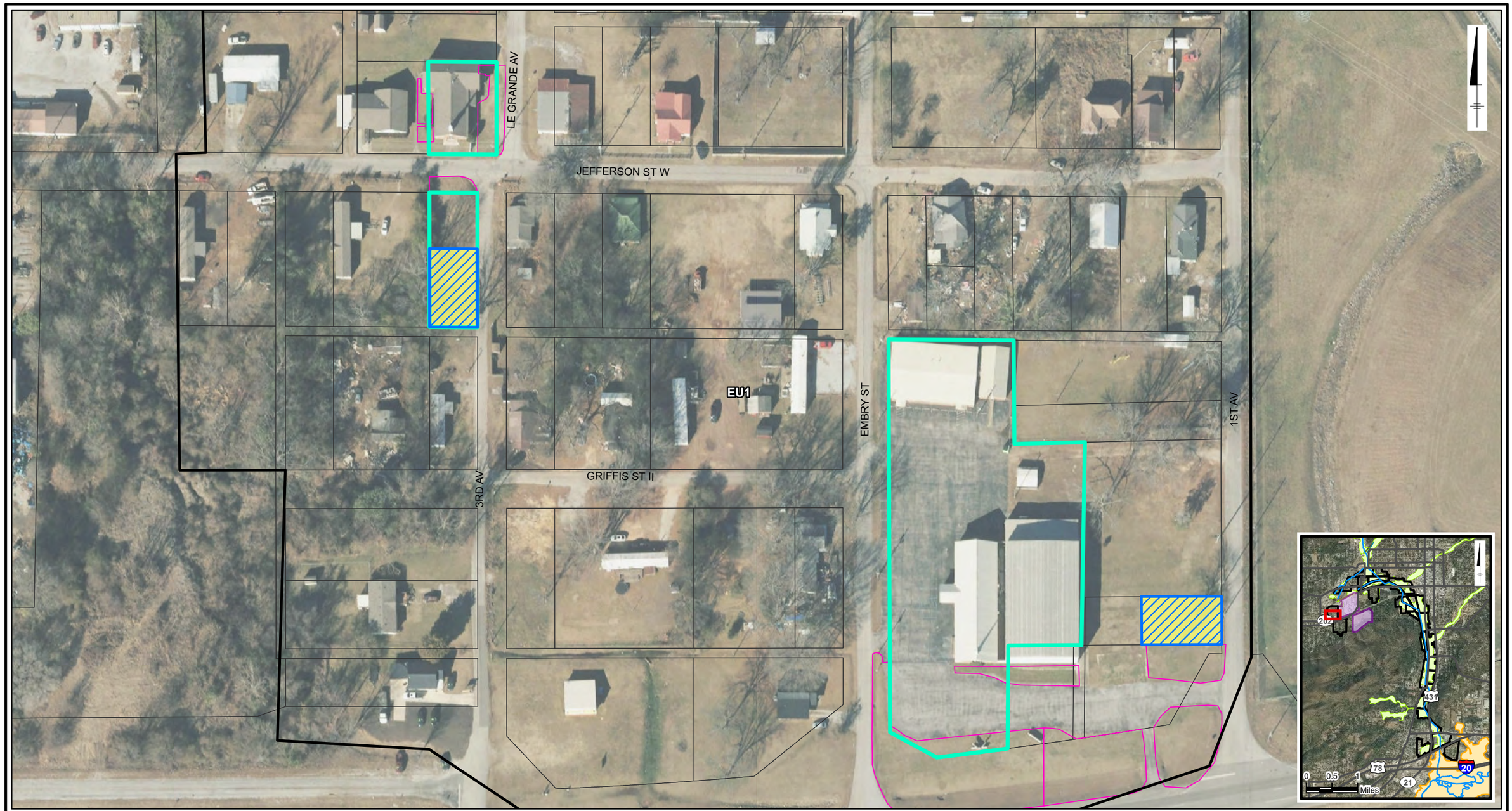
Soil Sampling Results: Low-Activity Special Use Areas

PPIN: 30182

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-2g

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/8/2025 6:55 PM



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

<1 mg/kg

Special Use: Low-Activity Area

All Parcels

Special Use Parcel Boundary

Low-Activity Subarea

Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

0 100 200 Feet
Graphic Scale

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Soil Sampling Results: Low-Activity Special Use Areas

(PPIN: 32490, 32487)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-2h

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\A\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/9/2025 3:45 PM

EU29

E HAMRIC DR

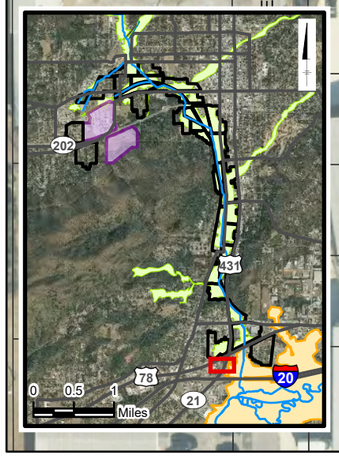
MORELAND

HALE ST

QUINTARD DR

RECREATION DR

EDMAR ST



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

<1 mg/kg

Special Use: Low-Activity Area

All Parcels

Special Use Parcel Boundary

Low-Activity Subarea

Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 100 200 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

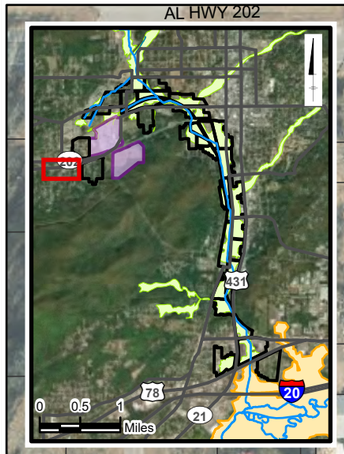
Soil Sampling Results: Low-Activity Special Use Areas

PPIN: 16384

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-2i

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\A\Anniston\GIS\aprx\202510_PDI\PDI_2_1 through _2_2.aprx 10/9/2025 3:45 PM



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- <1 mg/kg
- Special Use: Low-Activity Area
- All Parcels
- Special Use Parcel Boundary
- Low-Activity Subarea

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 150 300 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

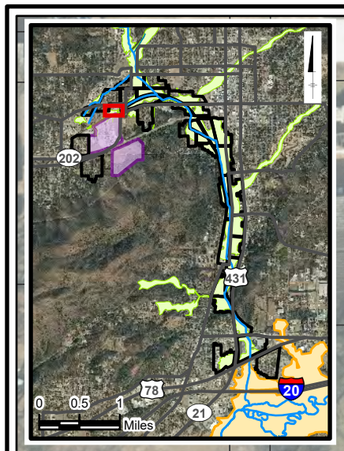
Soil Sampling Results: Low-Activity Special Use Areas

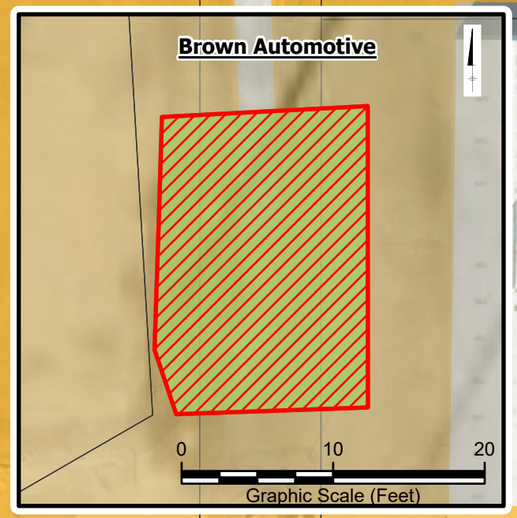
PPIN: 32612

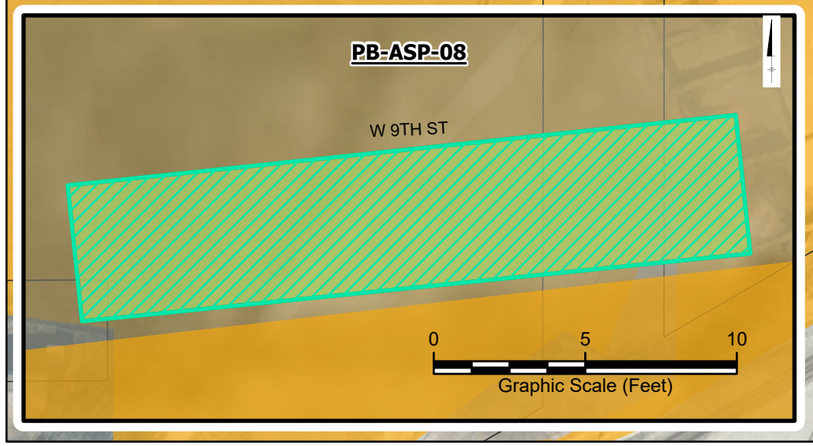
Solutia
A wholly-owned subsidiary of Eastman

Figure 2-2j

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\A\Anniston\GIS\aprx\202510_PDI\PDI_2_1_through_2_2.aprx 10/9/2025 3:45 PM







DUNCAN AV

EU2

W 9TH ST

CLYDESDALE AV

W 10TH ST

W 8TH ST

EU

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥1 to <10 mg/kg
- ≥21 to <97 mg/kg

- Interim Measure Area
- All Parcels
- 11th Street Ditch
- Interim Measure and Other Early Actions

- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 70 140
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

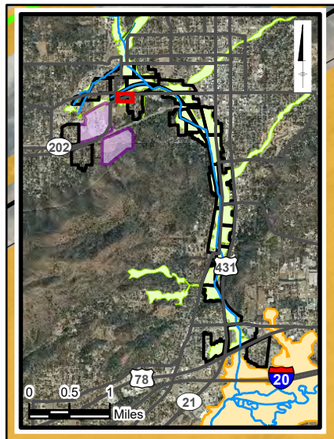
Soil Sampling Results: Interim Measure Areas

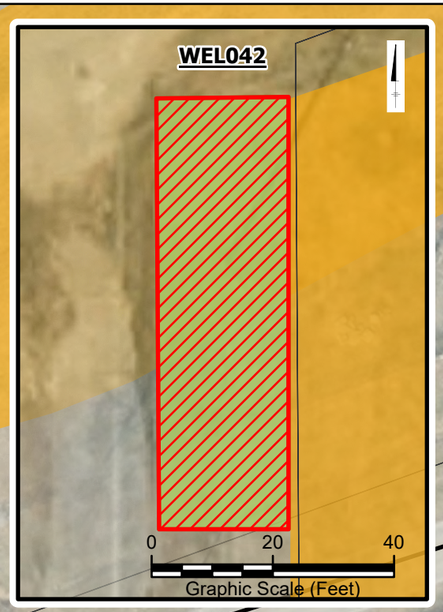
(Northside Area)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-3a

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\AV\Anniston\GIS\aprx\202510_PDI\PDI_Figures_2_3.aprx 10/8/2025 7:03 PM





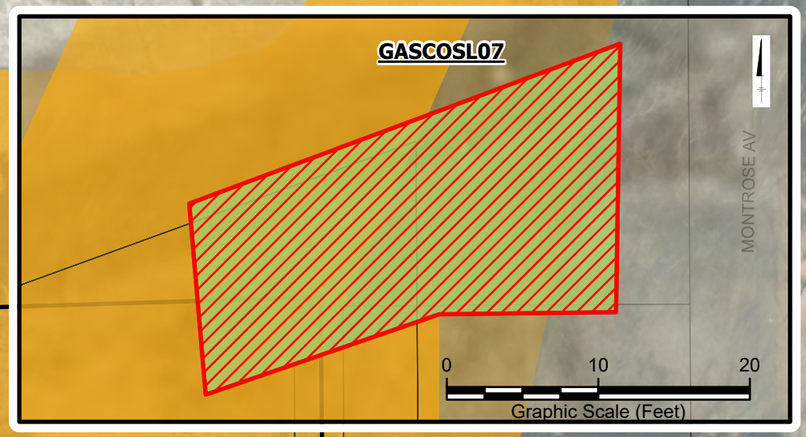
EU5

EU6

W 10TH ST

BOYNTON AV

MONTROSE AV



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥21 to <97 mg/kg

- Interim Measure Area
- All Parcels
- Interim Measure Area Remediation Footprint: 0-to-1 foot Removal and No Subsurface Soil Sampling During PDI

- 11th Street Ditch
- Interim Measure and Other Early Actions
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PDI: predesign investigation

0 60 120
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

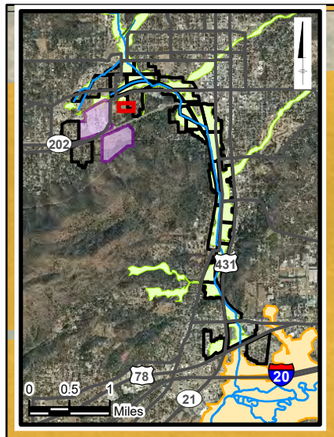
Soil Sampling Results: Interim Measure Areas

(Eastside Area)

Solutia
A wholly-owned subsidiary of Eastman

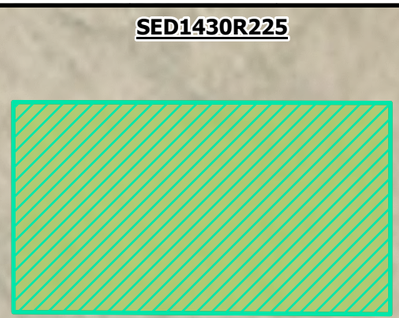
Figure 2-3b

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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EU6

SED1430R225



Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥1 to <10 mg/kg
- Interim Measure Area
- All Parcels
- Interim Measure and Other Early Actions
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 60 120
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

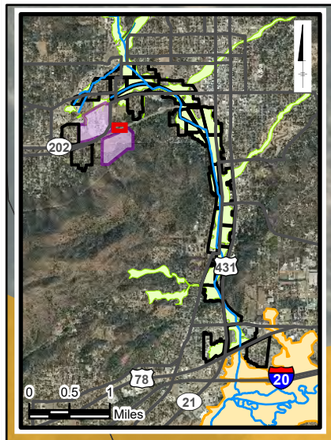
Soil Sampling Results: Interim Measure Areas

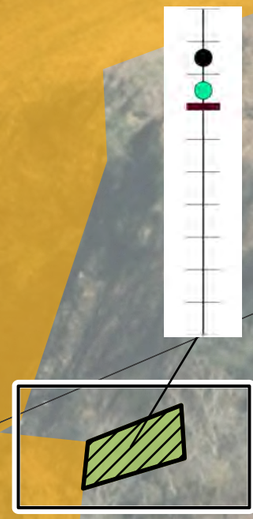
(Eastside Area)

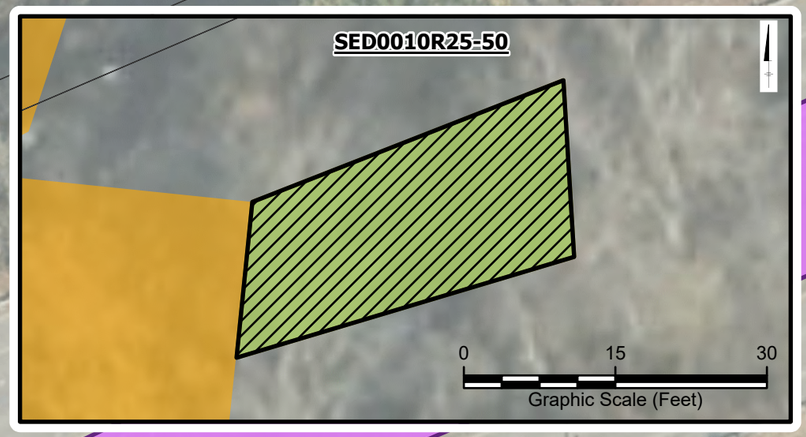
Solutia
A wholly-owned subsidiary of Eastman

Figure 2-3c

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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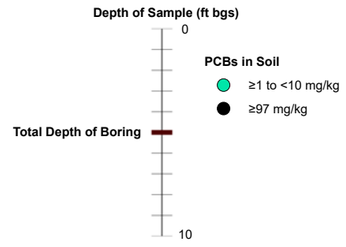
AL HWY 202

CLYDESDALE AV

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥97 mg/kg
- Interim Measure Area
- Nonresidential Area
- All Parcels
- Interim Measure and Other Early Actions



Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

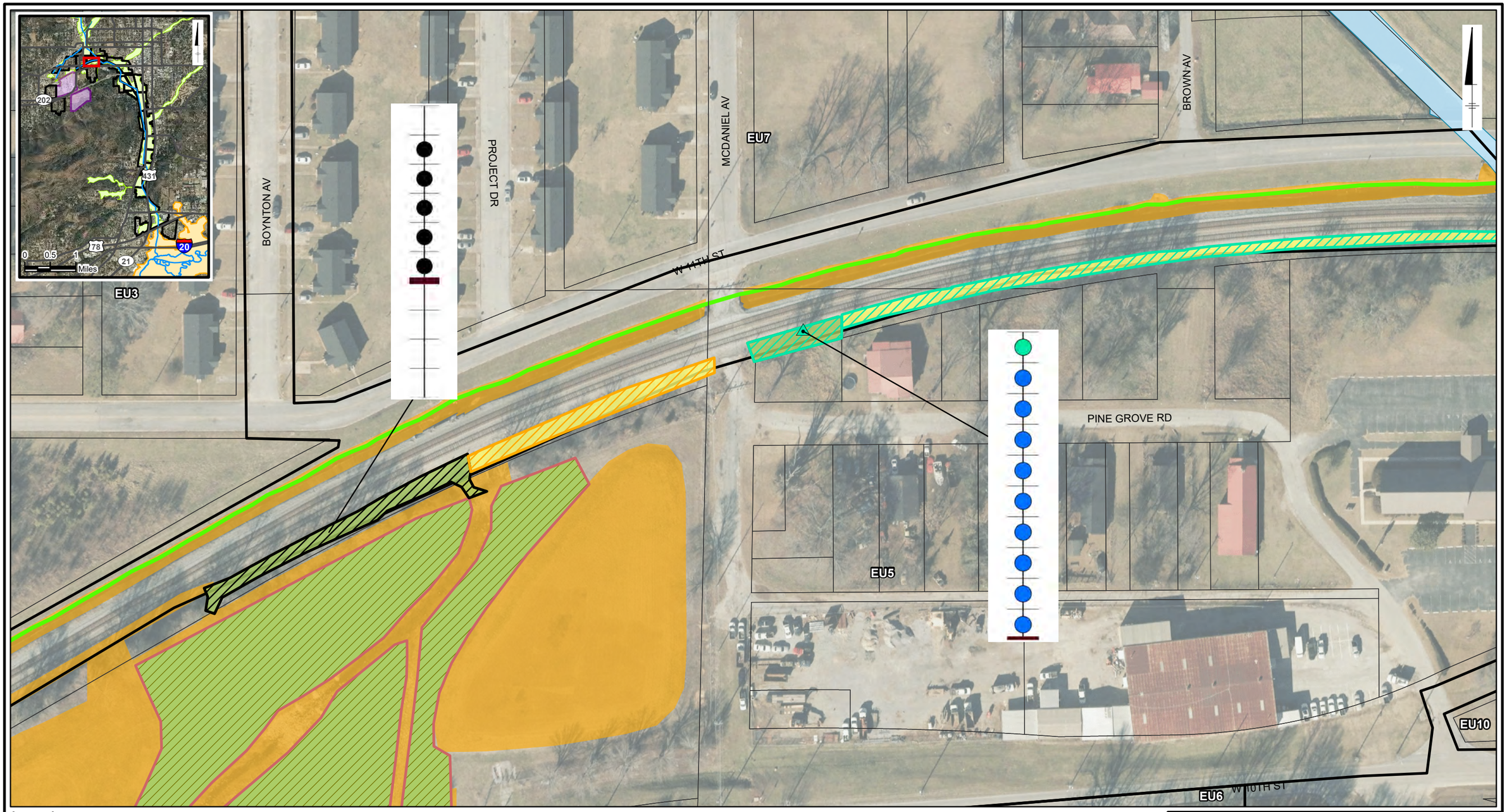
Soil Sampling Results: Interim Measure Areas

(Eastside Area)

Solutia
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Figure 2-3d

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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Legend

Properties with PCB 2023 Soil Composite Results in 0-to-1 ft bgs Sample
- ≥1 to <10 mg/kg
- ≥10 to <21 mg/kg
- ≥97 mg/kg
- Interim Measure Area
- All Parcels

PCBs in Soil (Discrete Borings)
- ≥1 to <10 mg/kg

- Interim Measure Area Remediation Footprint: 0-to-1 foot Removal and No Subsurface Soil Sampling During PDI
- Drainage Ditch Near PB-RR-37 Area
- 11th Street Ditch
- Snow Creek
- Interim Measure and Other Early Actions
- Exposure Unit

Depth of Sample (ft bgs)
0
Total Depth of Boring
10

PCBs in Soil
- <1 mg/kg
- ≥1 to <10 mg/kg
- ≥97 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Total depth of boring for PB-RR-37 is 25 feet. Samples from 0 to 10 ft bgs were analyzed.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PDI: predesign investigation

0 100 200
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

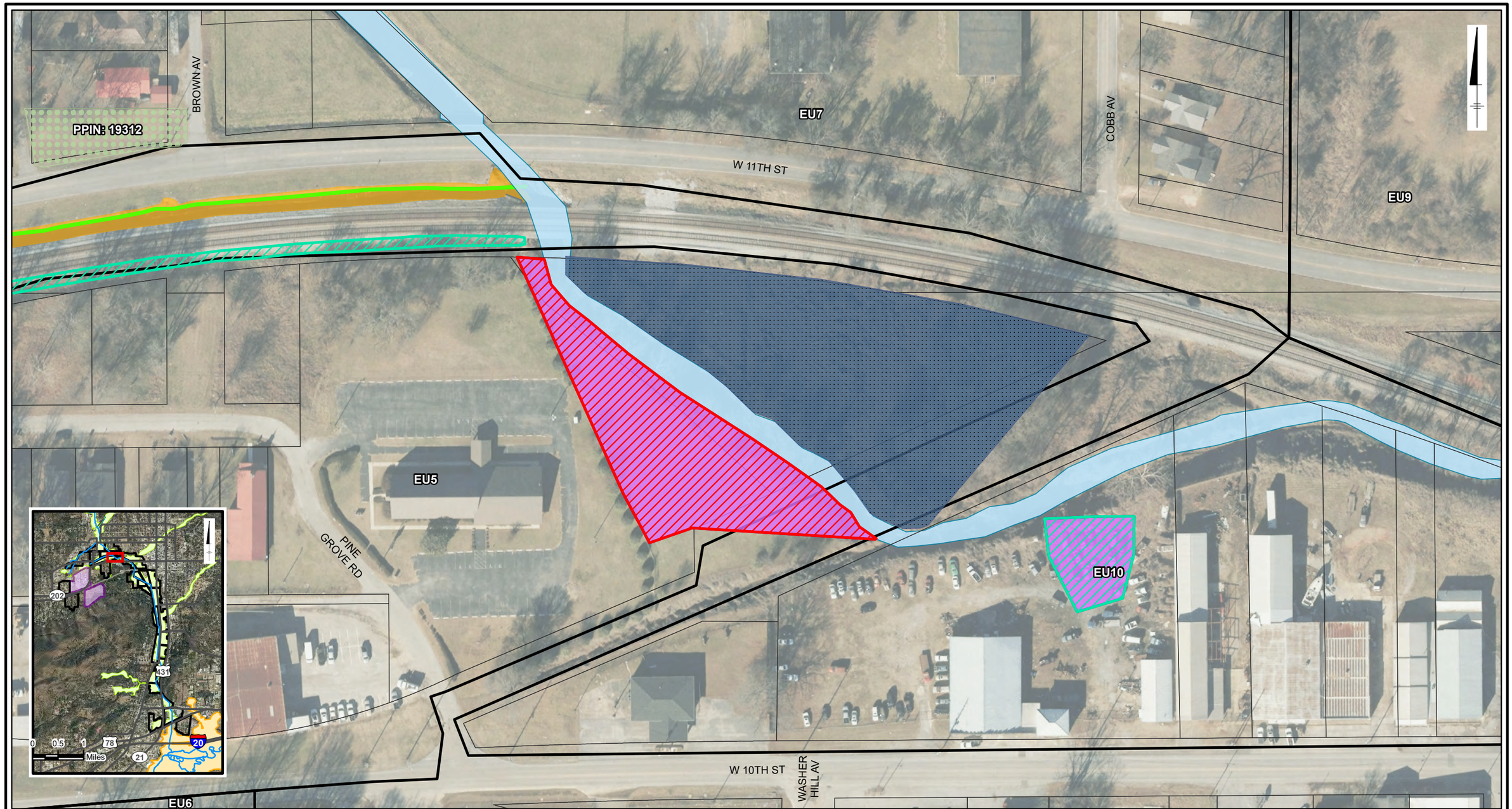
Soil Sampling Results: Interim Measure Areas

(Eastside Drainage Way)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-3e

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥1 to <10 mg/kg
- ≥21 to <97 mg/kg

- Nonresidential Area
- All Parcels
- T-11 Area Remediation Footprint
- Previously Remediated Area
- 11th Street Ditch
- Snow Creek
- Interim Measure and Other Early Actions
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 100 200
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

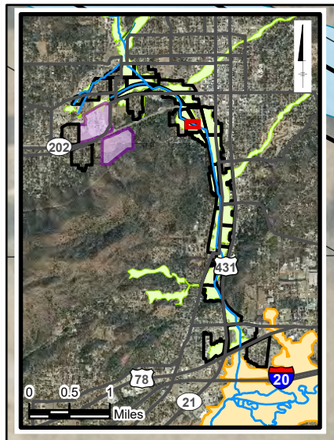
Soil Sampling Results: Nonresidential Areas

(Exposure Unit 5)

Solutia, A wholly-owned subsidiary of Eastman

Figure 2-4a

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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EU12

EU15/16

EU15

EU14 North

CHESTNUT AV

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥10 to <21 mg/kg
- ≥21 to <97 mg/kg

- Nonresidential Area
- All Parcels
- Remediation Footprints for Nonresidential Soil (non PCB constituents)
- Snow Creek
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 50 100
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Soil Sampling Results: Nonresidential Areas

(Exposure Unit 14 North)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-4b

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥1 to <10 mg/kg
- Nonresidential Area
- All Parcels
- Snow Creek
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 60 120
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

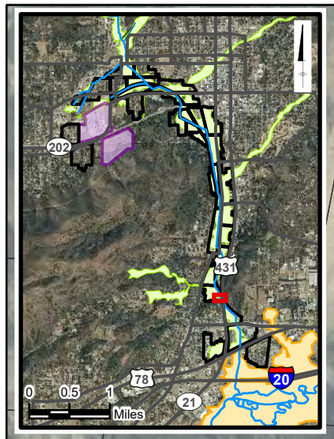
Soil Sampling Results: Nonresidential Areas

(Exposure Unit 19 North)

Solutia
A wholly-owned subsidiary of Eastman

Figure
2-4c

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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HALL AV

BURTON ST

EU26

S QUINTARD AV

QUINTARD DR

EU27

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥21 to <97 mg/kg
- Nonresidential Area
- All Parcels
- Snow Creek
- Interim Measure and Other Early Actions
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 50 100
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

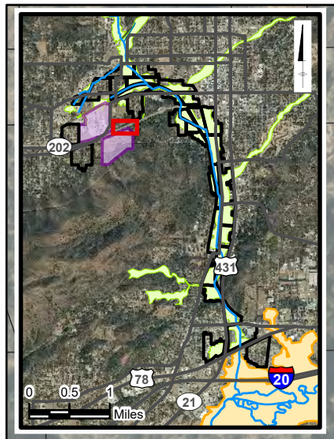
Soil Sampling Results: Nonresidential Areas

(Exposure Unit 26)

Solutia
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Figure 2-4d

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- <1 mg/kg
- ≥1 to <10 mg/kg
- Nonresidential Area
- All Parcels
- Operable Unit 3
- Interim Measure and Other Early Actions

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 100 200
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

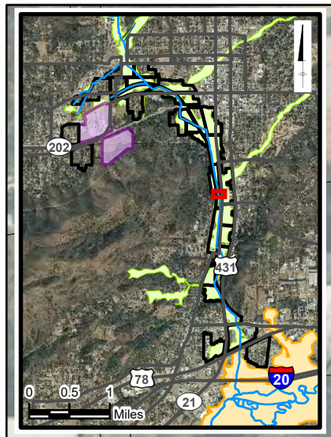
Soil Sampling Results: Nonresidential Areas

(Highway 202)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-4e

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\A\Anniston\GIS\aprx\202510_PDI\PDI_2_4.aprx 10/9/2025 5:10 PM



EU20

BAXTER ST

FRONT ST

EU19 South

S NOBLE ST

EU18

H ST

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥21 to <97 mg/kg
- Nonresidential Area
- All Parcels
- Snow Creek
- Exposure Unit

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 50 100
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

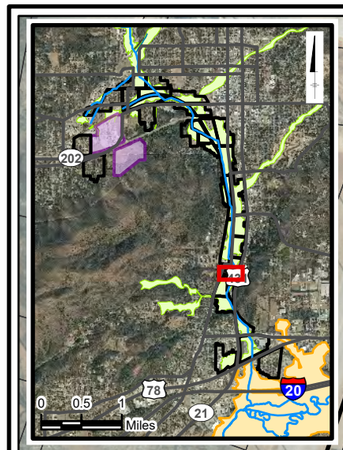
Soil Sampling Results: Nonresidential Areas

(Exposure Unit 19 South)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-4f

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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FRONT ST

EU25

EU24

S QUINTARD AV

Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- <1 mg/kg
- ≥1 to <10 mg/kg
- ≥10 to <21 mg/kg
- ≥21 to <97 mg/kg
- ≥97 mg/kg

- Nonresidential Area
- All Parcels
- Remediation Footprints for Nonresidential Soil (non PCB constituents)
- Snow Creek
- Exposure Unit

Depth of Sample (ft bgs)

0

Total Depth of Boring

10

PCBs in Soil

- <1 mg/kg
- ≥1 to <10 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

EU: exposure unit
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 100 200
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

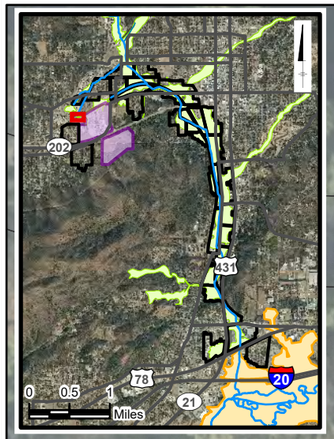
Soil Sampling Results: Nonresidential Areas

(Exposure Unit 24)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-4g

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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Legend

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

<1 mg/kg

Nonresidential Area

All Parcels

Remediation Footprints for Nonresidential Soil (non PCB constituents)

Operable Unit 3

Interim Measure and Other Early Actions

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 50 100
Graphic Scale (Feet)

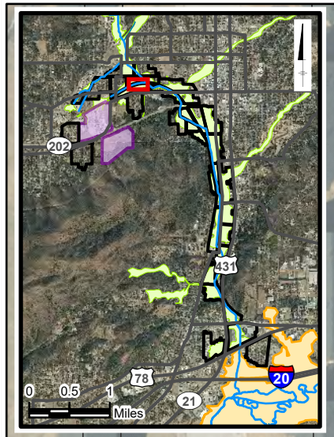
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Soil Sampling Results: Nonresidential Areas
(North of APCO)

Solutia
A wholly-owned subsidiary of Eastman

Figure 2-4h

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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MCDANIEL AV

EU7

W 11TH ST

BROWN AV

PINE GROVE RD

EU5

Legend

- Interim Measure Area Remediation Footprint: Surface and Subsurface Soil Sampling During PDI
- All Parcels
- Drainage Ditch Near PB-RR-37 Area
- 11th Street Ditch
- Interim Measure and Other Early Actions
- Exposure Unit
- Snow Creek

Properties with PCB 2023 Soil Composite Results in 1-to-2 ft bgs Sample

- ≥1 to <10 mg/kg
- ≥10 to <21 mg/kg

PCBs in Soil (Discrete Borings)

- ≥1 to <10 mg/kg

Depth of Sample (ft bgs)

0

Total Depth of Boring

10

PCBs in Soil

- <1 mg/kg
- ≥1 to <10 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Total depth of boring for PB-RR-37 is 25 feet. Samples from 0 to 10 ft bgs were analyzed.

EU: exposure unit
ft bgs: feet below ground surface
OU: operable unit
PCB: polychlorinated biphenyl
PDI: predesign investigation

0 60 120
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Soil Sampling Results in the PB-RR-37 Area

Solutia
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Figure 2-5

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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Legend

- Existing Monitoring Well
- Geotechnical Boring Location
- 11th Street Ditch
- Interim Measure and Other Early Actions
- All Parcels
- Snow Creek

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

OU: operable unit
PCB: polychlorinated biphenyl

0 50 100 Feet
Graphic Scale

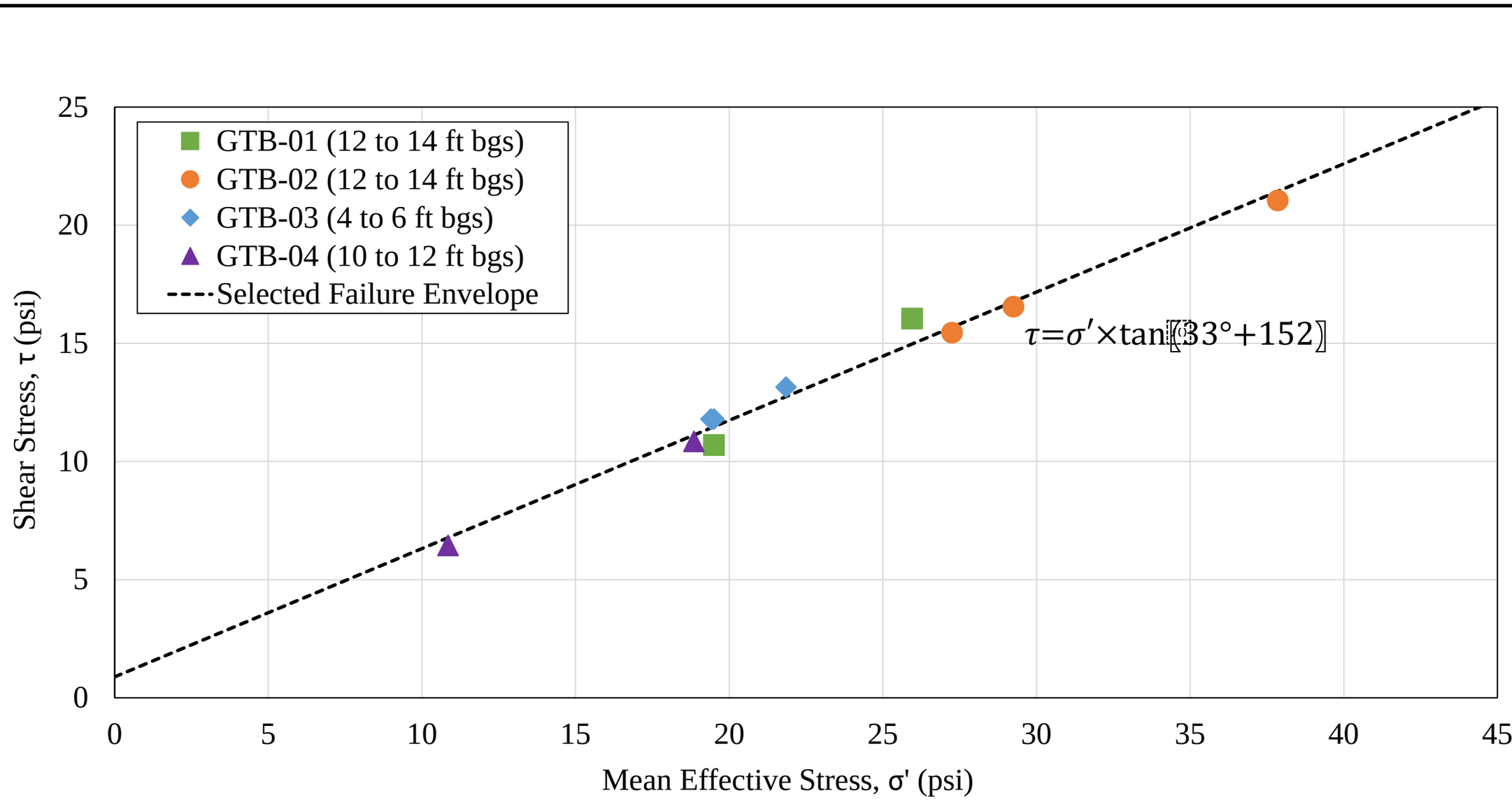
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Geotechnical Borings in the T-11 Area

Solutia
A wholly-owned subsidiary of Eastman

Figure
2-6

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
N:\AA\nniston\GIS\aprx\202510_PDI\Geotech_Figure.aprx 10/1/2025 6:05 PM



Notes:
°: degree
CU: consolidated undrained
ft bgs: feet below ground surface
GTB: geotechnical boring
psi: pounds per square inch
tan: tangent

Anniston PCB Site,
Anniston, Alabama

OU-1/OU-2 Predesign Investigation

Mean Effective Stress Versus Shear Stress (σ'-τ) Diagram for CU Triaxial Compression Tests

Solutia
A wholly-owned subsidiary of Eastman

Figure
2-7



Legend

- Existing Monitoring Well
- Piezometer

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.

OU: operable unit
PCB: polychlorinated biphenyl

0 40 80 Feet

Graphic Scale

Anniston PCB Site
Anniston, Alabama

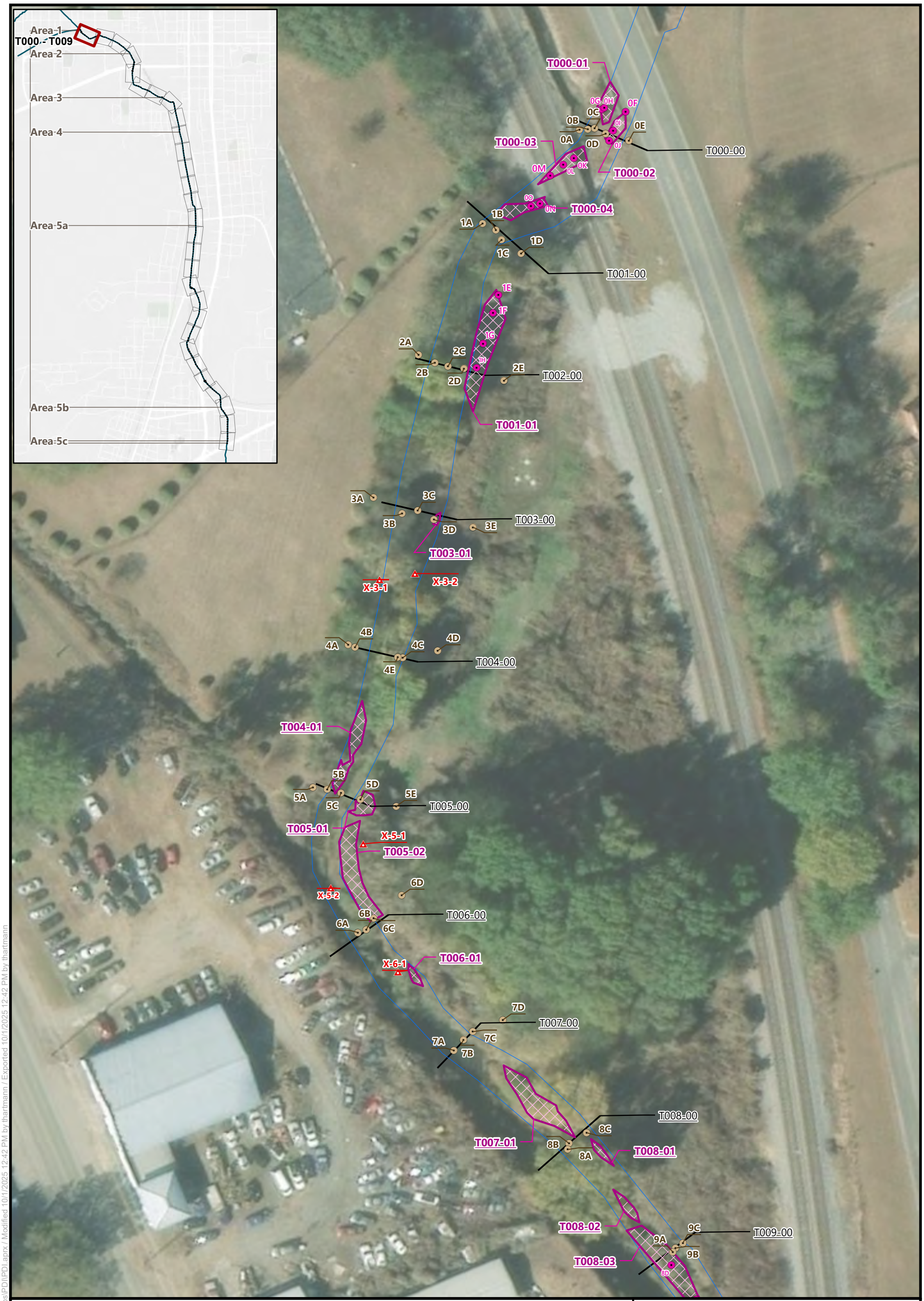
OU-1/OU-2 Predesign Investigation

Piezometer Locations at the T-11 Area

Solutia
A wholly-owned subsidiary of Eastman

Figure 3-1

City: SYR Div/Group: SWG Created By: Daniel.Prendergast Last Saved By: Daniel.Prendergast
Anniston
(ARO) N:\Anniston\GIS\aprx\202510_PDI\Geotech_Figure.aprx 10/9/2025



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

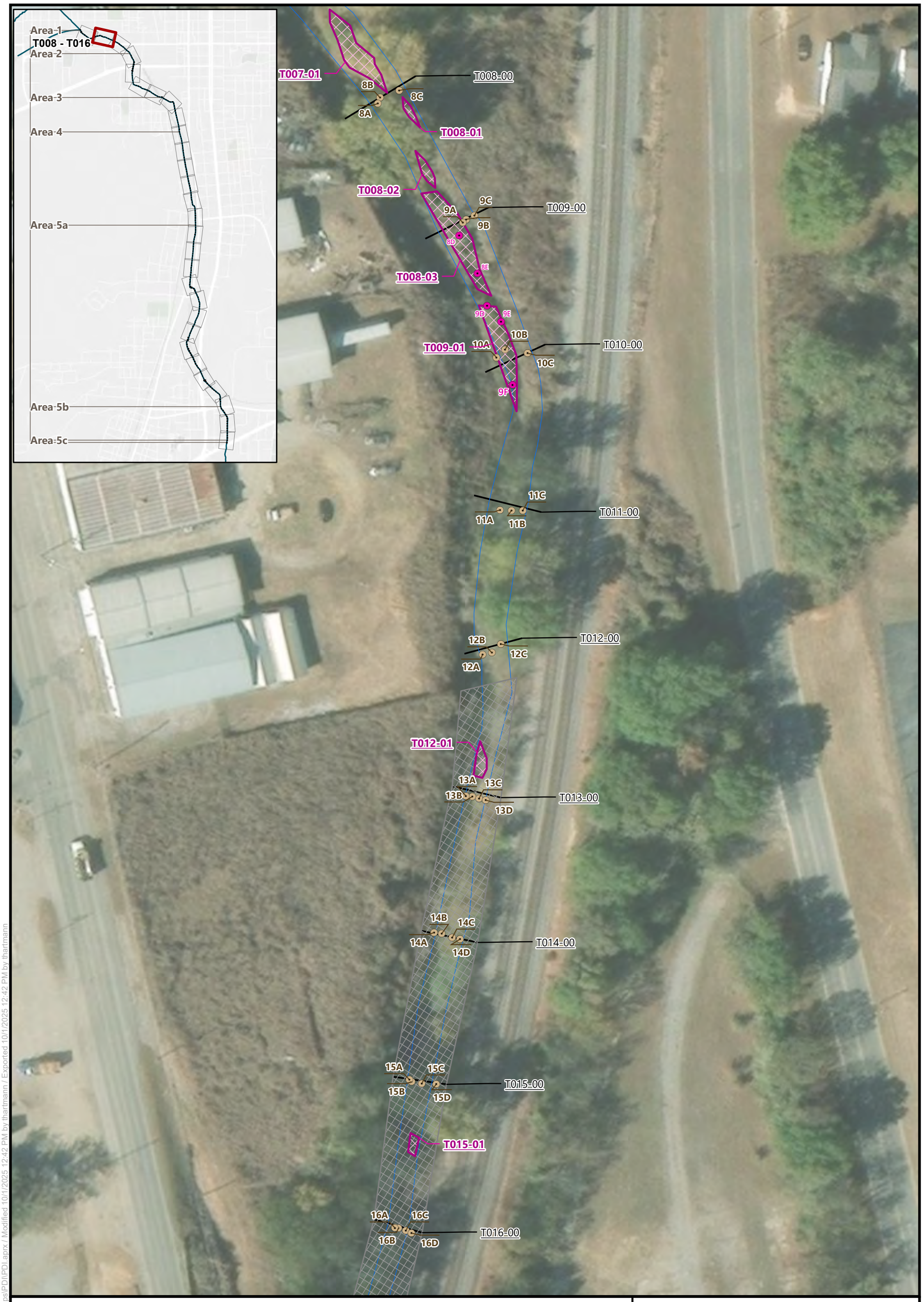
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T000 Through T009

Solutia
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Figure 4-1a

File Path: \\GSTFile01\GIS\Jobs\Solutia\nc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- No Access During Phase 1
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.
3. Sediment probing was conducted between T012 and T019 during the Phase 2 sediment sampling program.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T008 Through T016

Solutia
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Figure 4-1b

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- No Access During Phase 1
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.
3. Sediment probing was conducted between T012 and T019 during the Phase 2 sediment sampling program.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

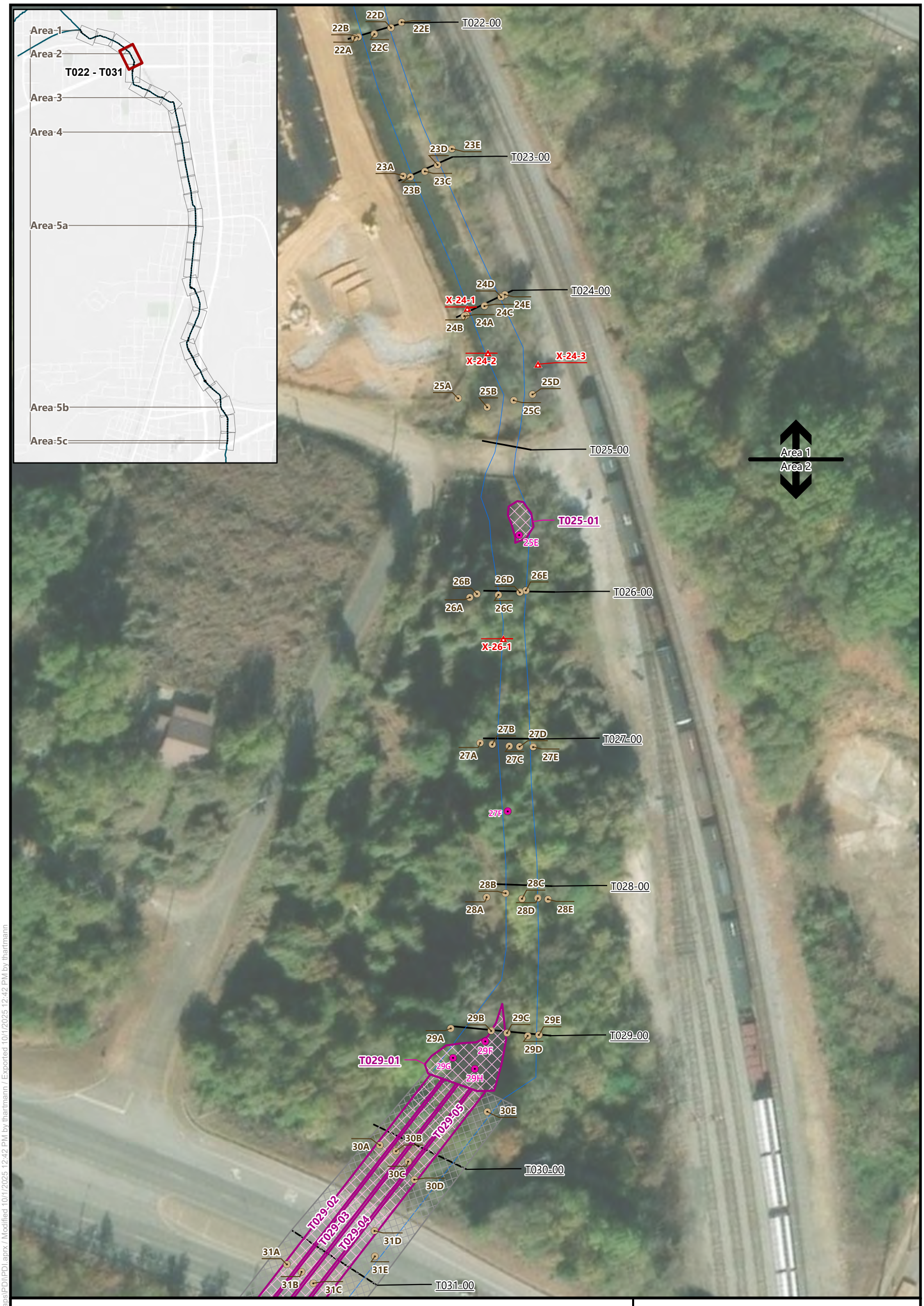
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T015 Through T023

Solutia
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Figure 4-1c

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- No Access During Phase 1
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.
3. Sediment probing was conducted within the Highway 202 culvert during the Phase 2 sediment sampling program.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

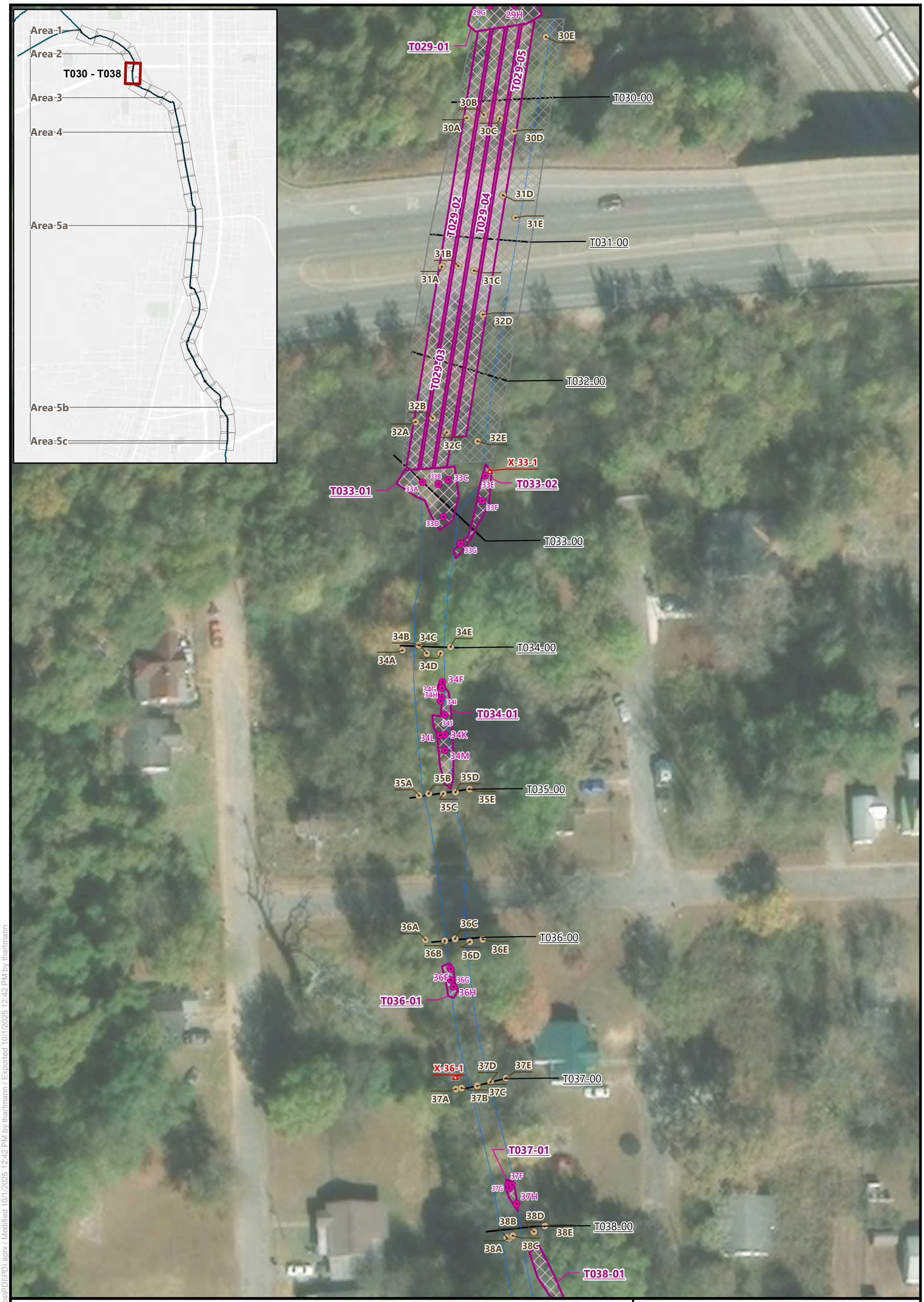
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T022 Through T031

Solutia
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Figure 4-1d

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- No Access During Phase 1
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.
3. Sediment probing was conducted within the Highway 202 culvert during the Phase 2 sediment sampling program.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T030 Through T038

Solutia
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Figure 4-1e

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

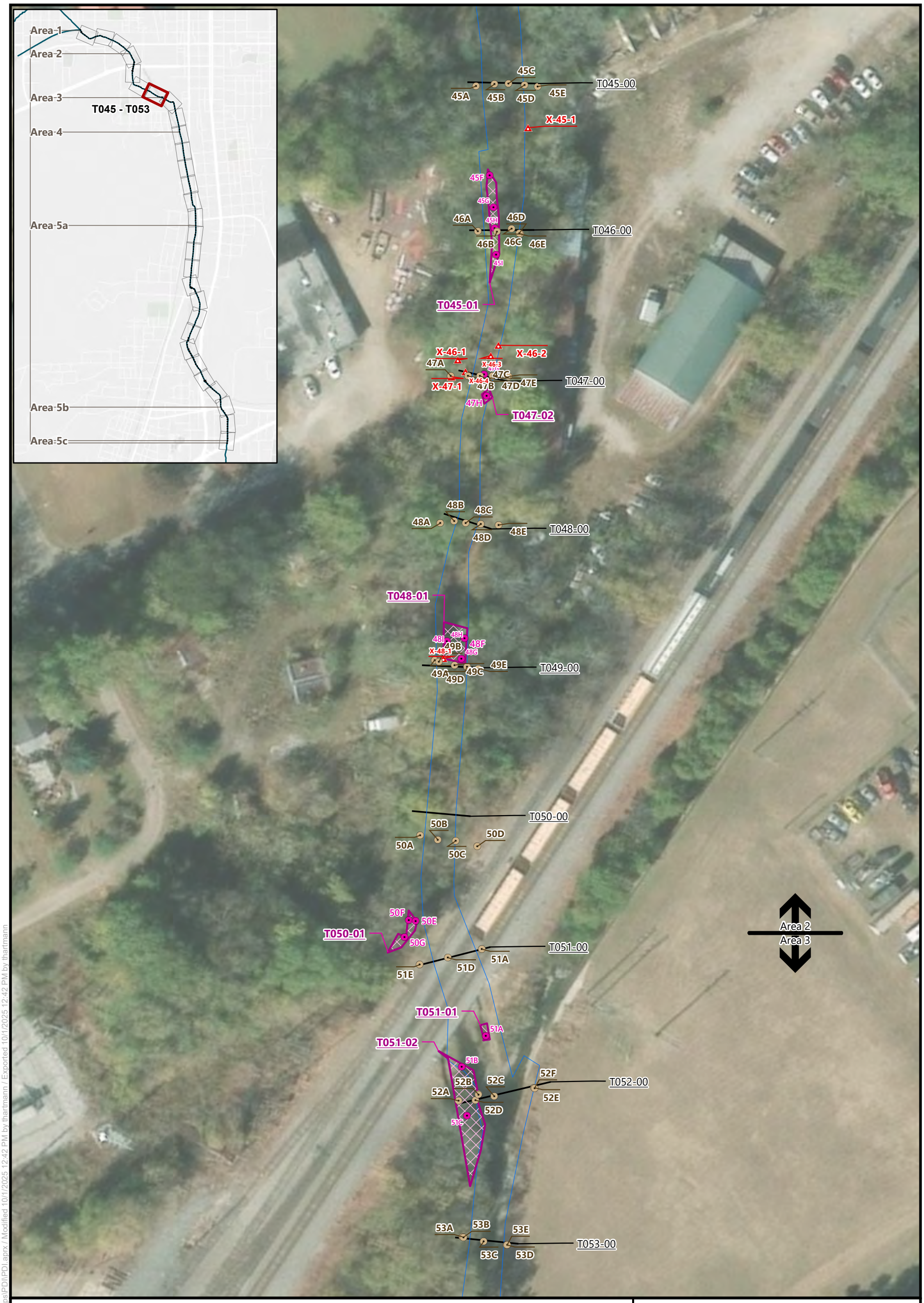
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T037 Through T046

Solutia
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Figure 4-1f

File Path: \\GSTFile01\GIS\Jobs\Solutia\nc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T045 Through T053

Solutia
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Figure 4-1g

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

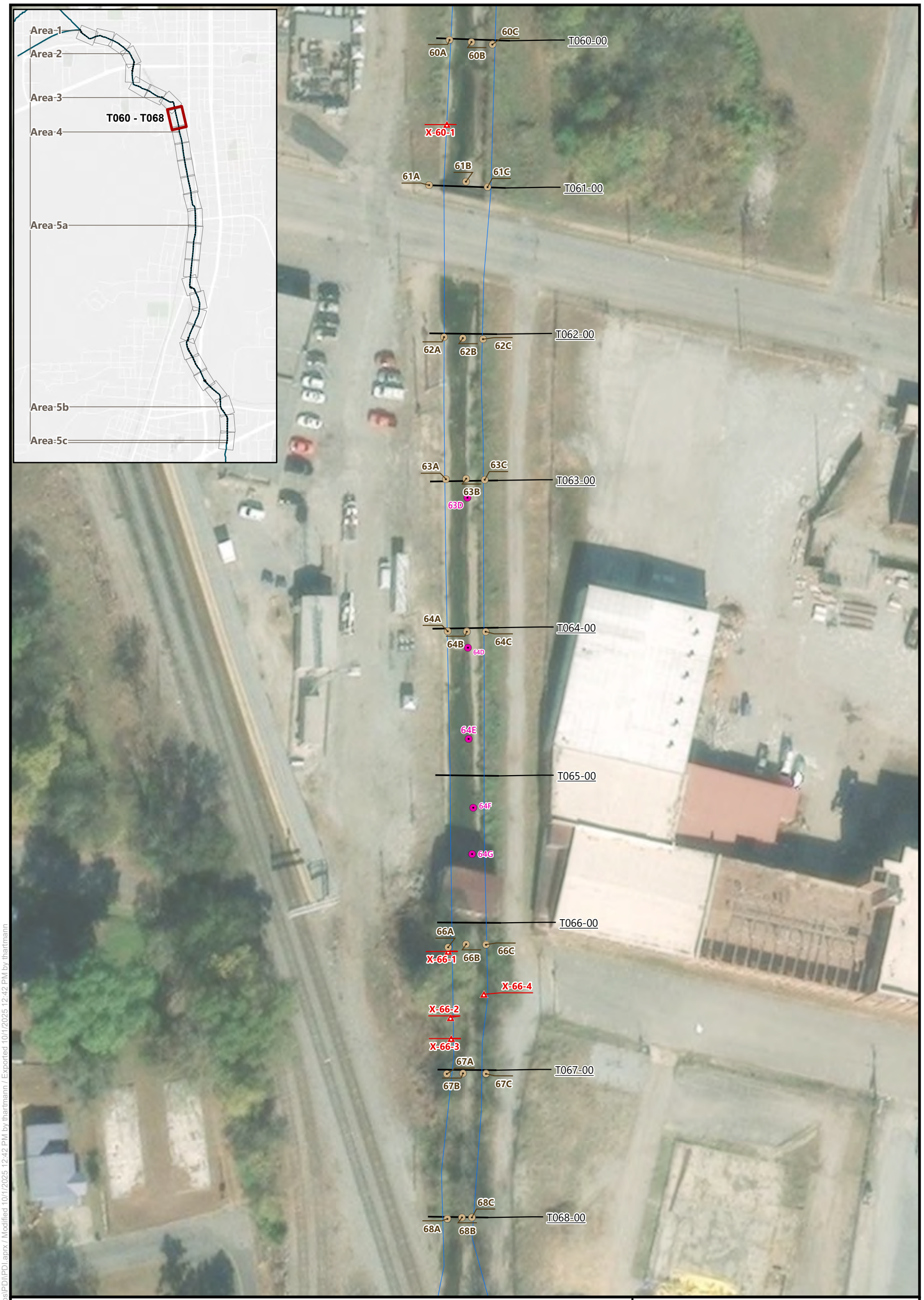
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T052 Through T061

Solutia A wholly-owned subsidiary of Eastman

Figure 4-1h

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

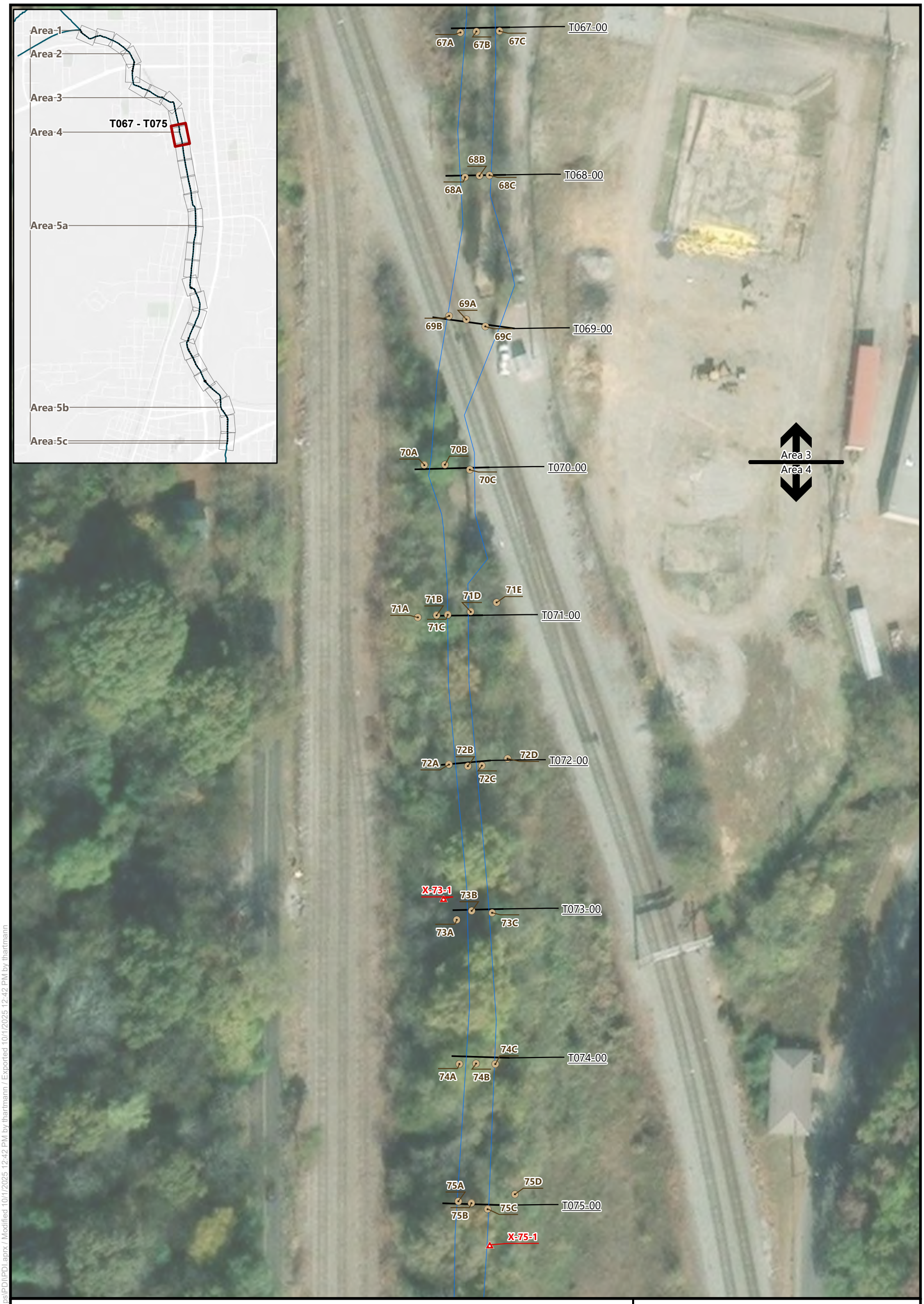
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T060 Through T068

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Figure 4-1i

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- PDI Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T067 Through T075

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Figure 4-1j

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T075 Through T082

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Figure 4-1k

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T082 Through T089

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Figure 4-1l

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T089 Through T096

Solutia
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Figure 4-1m

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

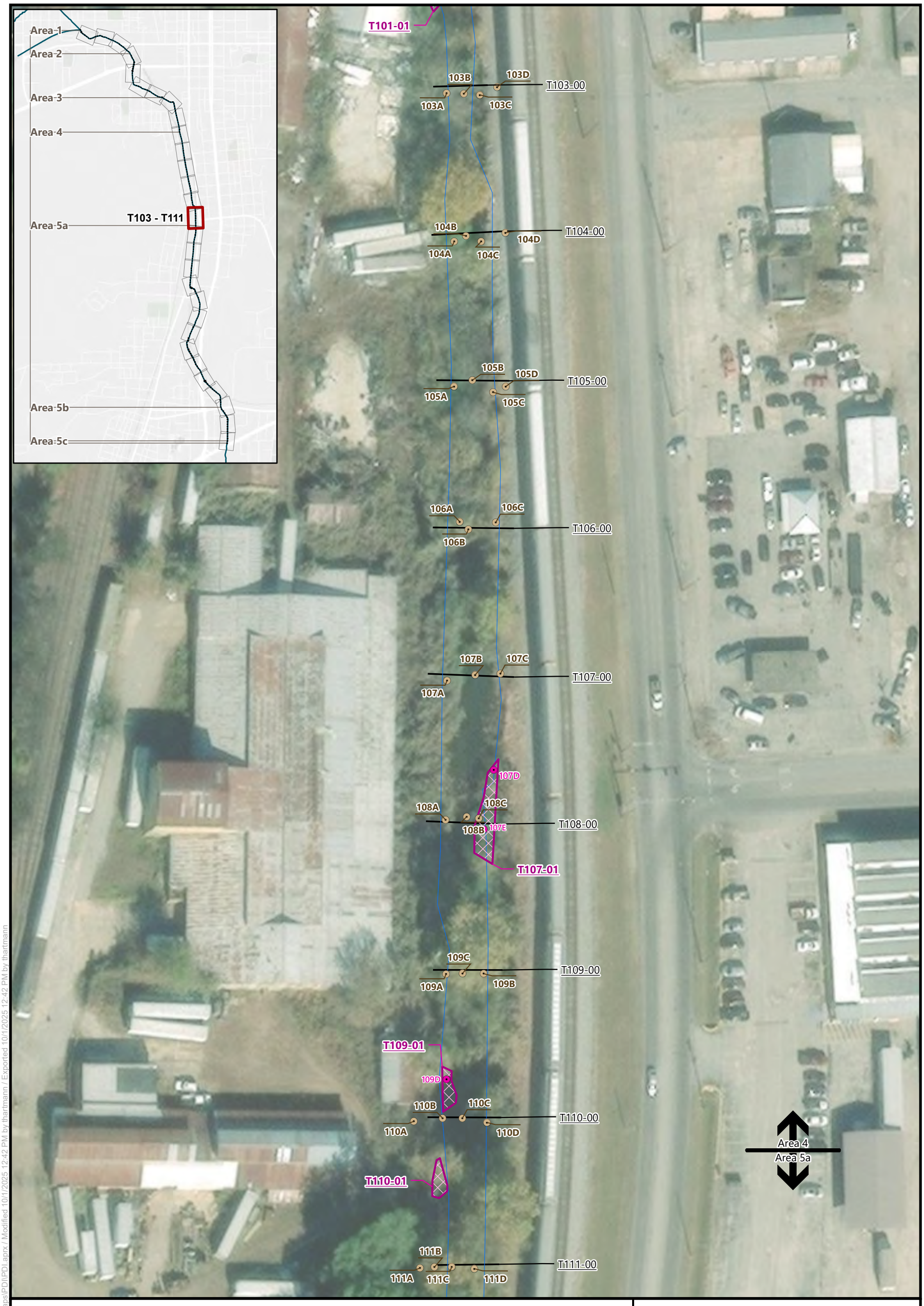
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T096 Through T104

Solutia
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Figure 4-1n

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T103 Through T111

Solutia
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Figure 4-1o

File Path: \\GSTFile01\GIS\Jobs\Solutia\nc_1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T110 Through T118

Solutia
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Figure 4-1p

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

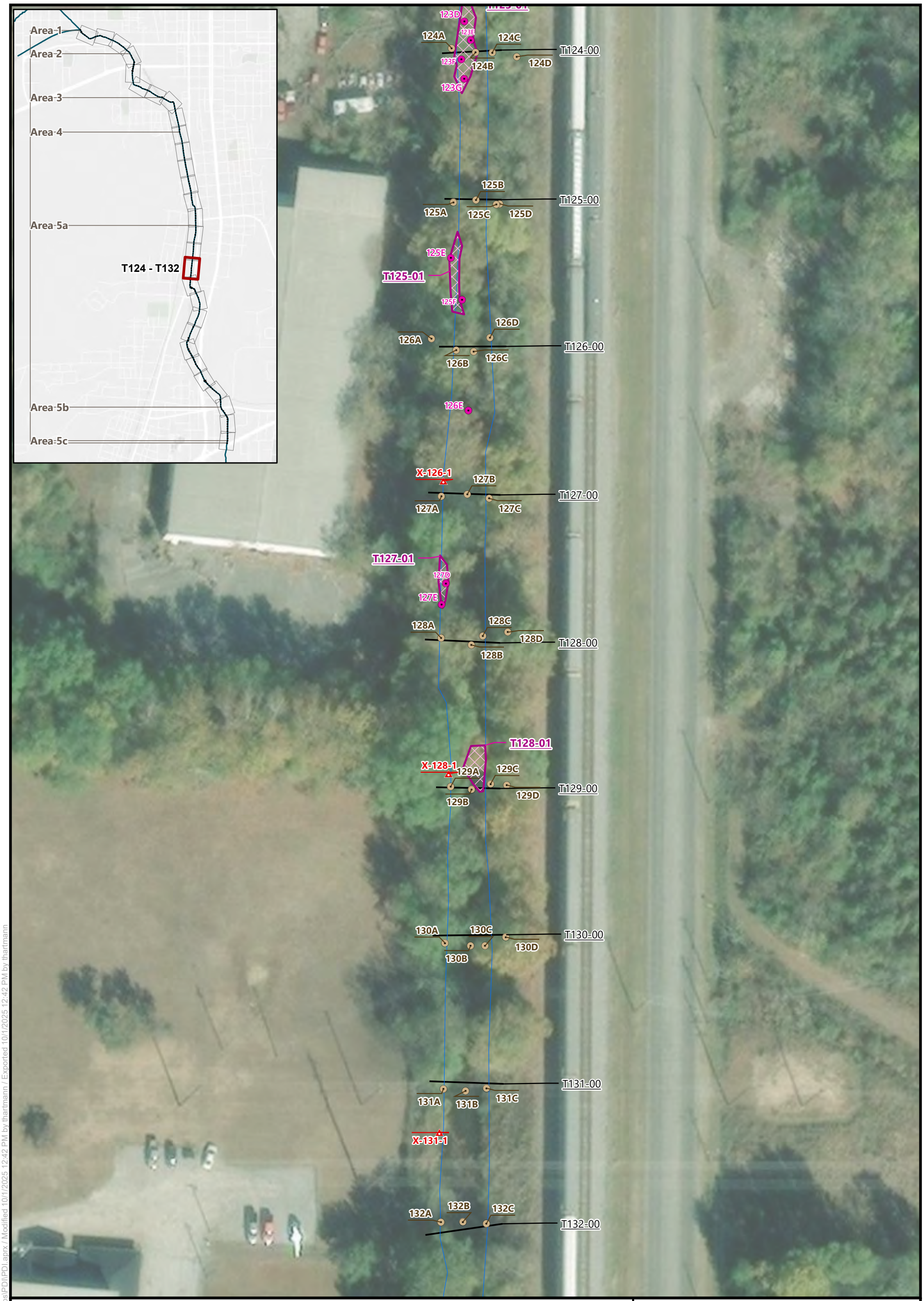
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T117 Through T125

Solutia
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Figure 4-1q

File Path: \\GSTFile01\GIS\Jobs\Solutialnc_1718\Anniston_PCB_SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

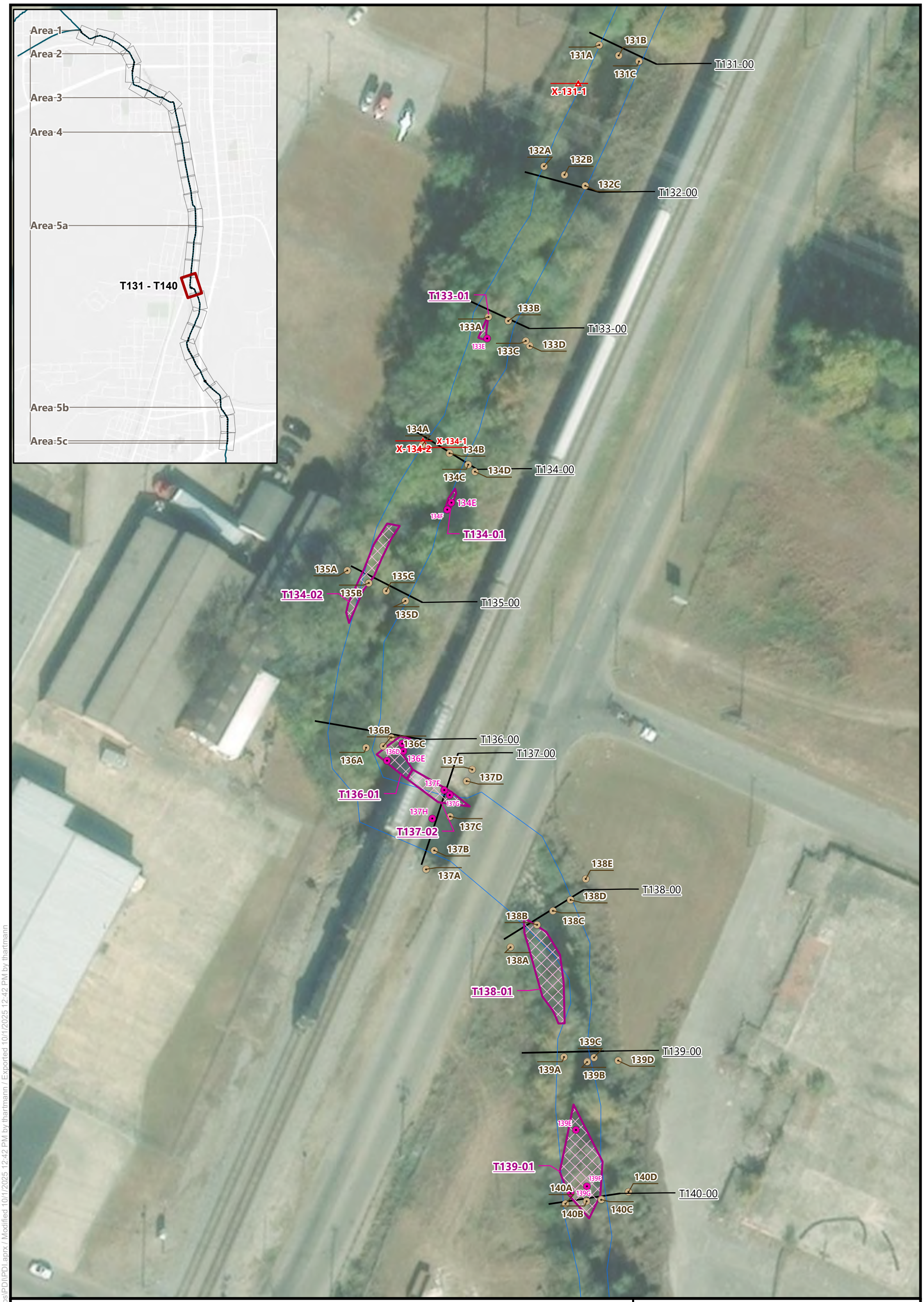
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T124 Through T132

Solutia
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Figure 4-1r

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T131 Through T140

Solutia
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Figure 4-1s

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

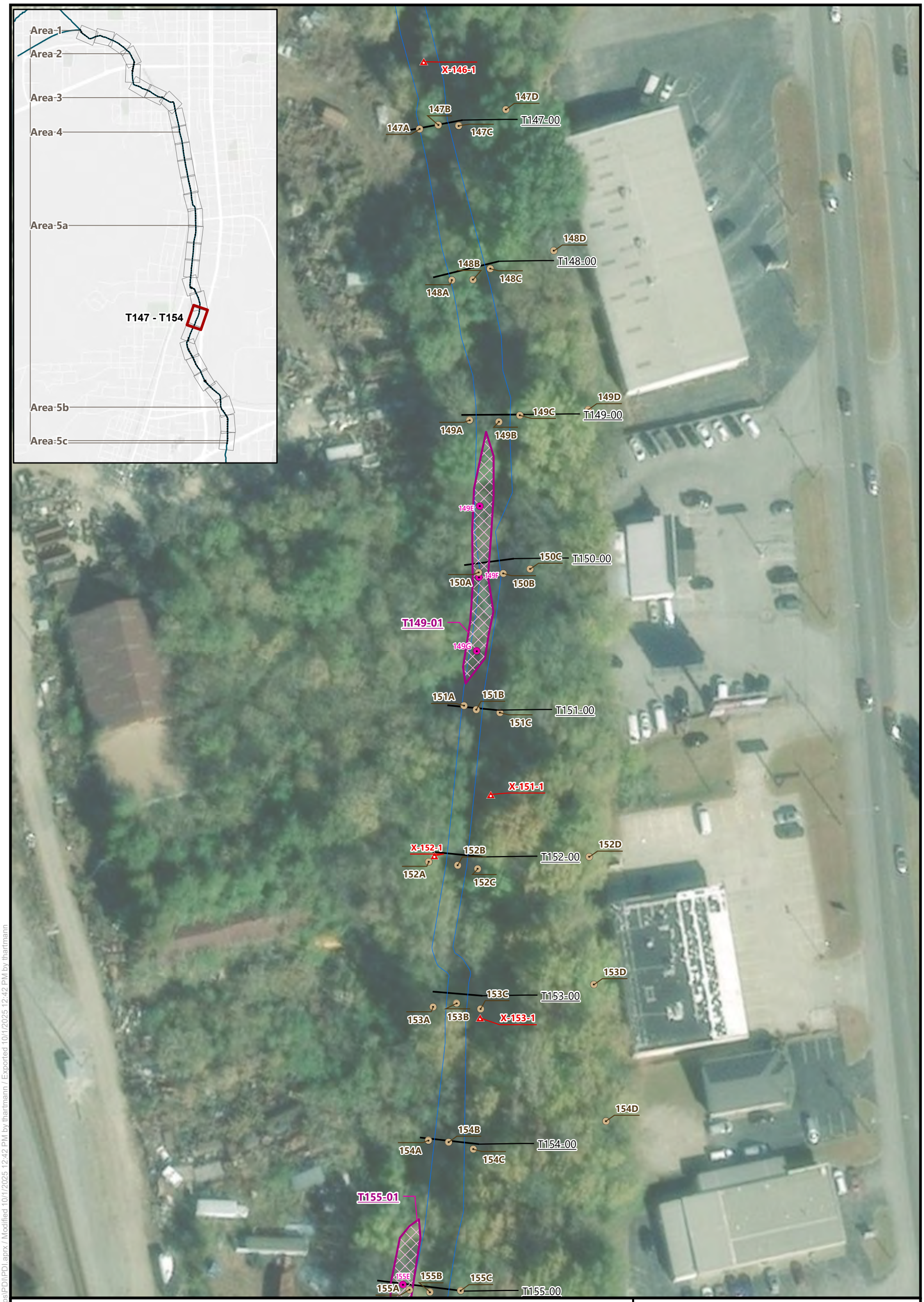
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T140 Through T147

Solutia
A wholly-owned subsidiary of Eastman

Figure 4-1t

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T147 Through T154

Solutia
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Figure 4-1u

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T154 Through T162

Solutia
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Figure 4-1v

File Path: \\GSTFile01\GIS\Jobs\Solutia\nc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

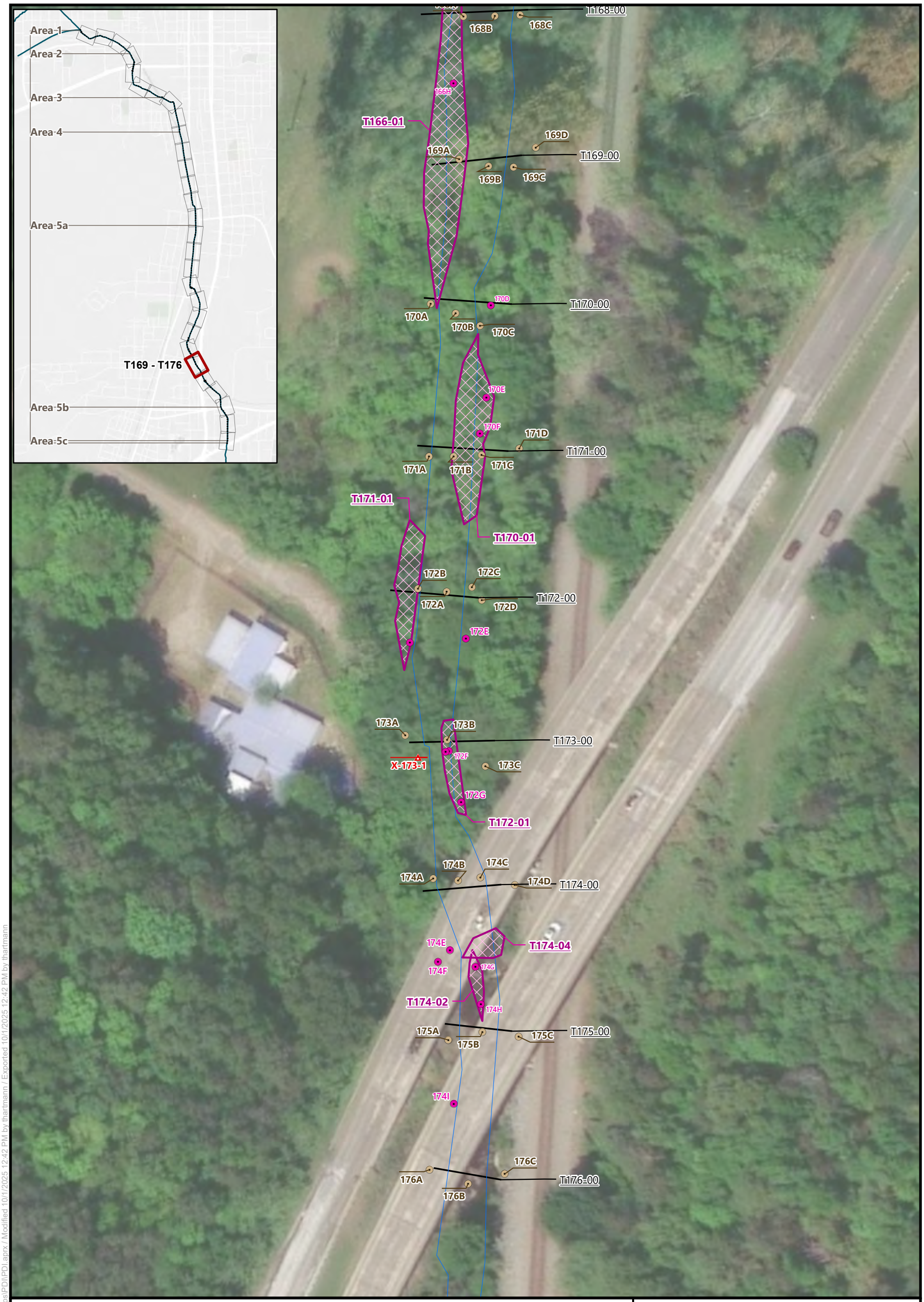
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T161 Through T169

Solutia
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Figure 4-1w

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

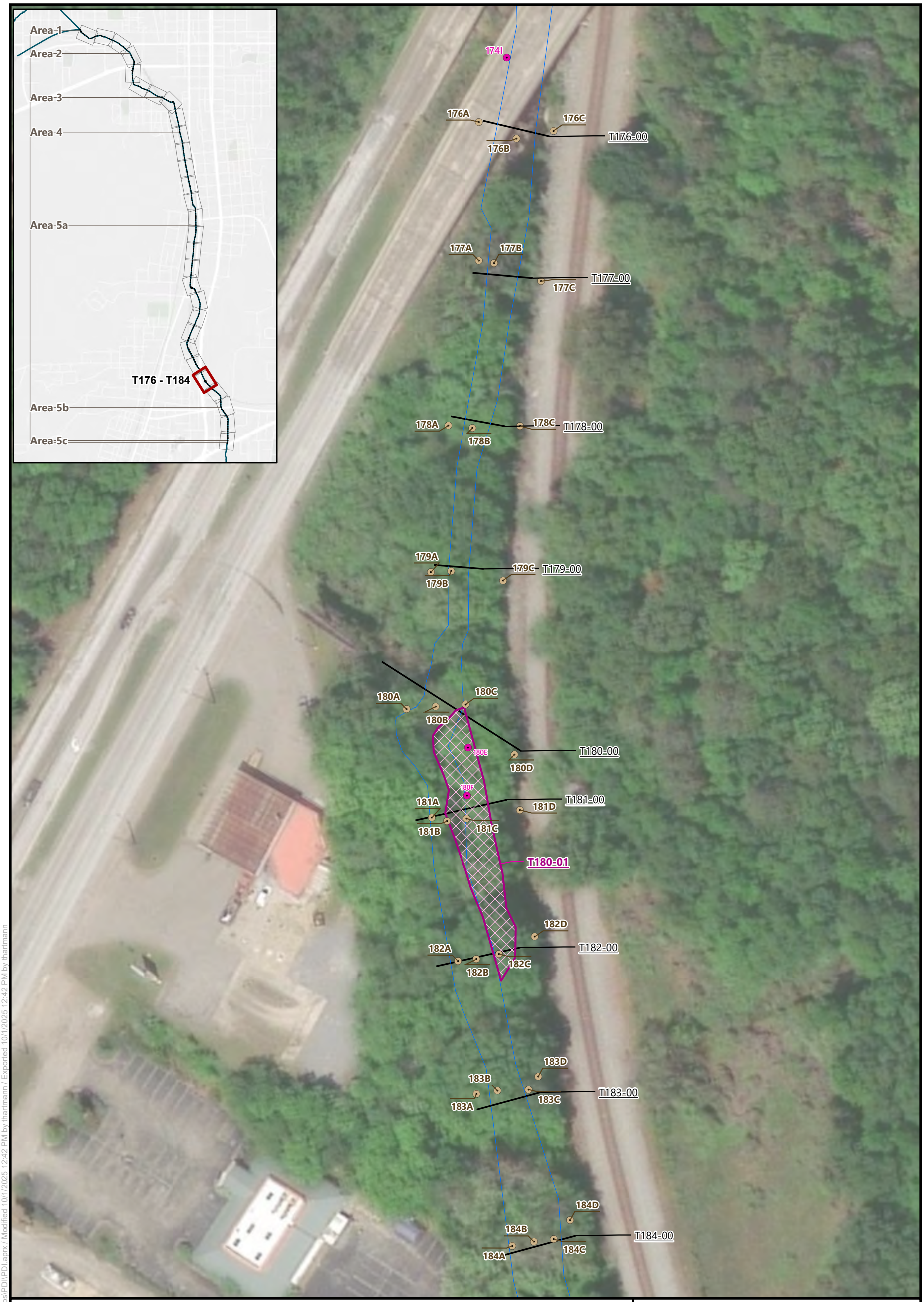
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T169 Through T176

Solutia
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Figure 4-1x

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T176 Through T184

Solutia
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Figure 4-1y

File Path: \\GSTFile01\GISJobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

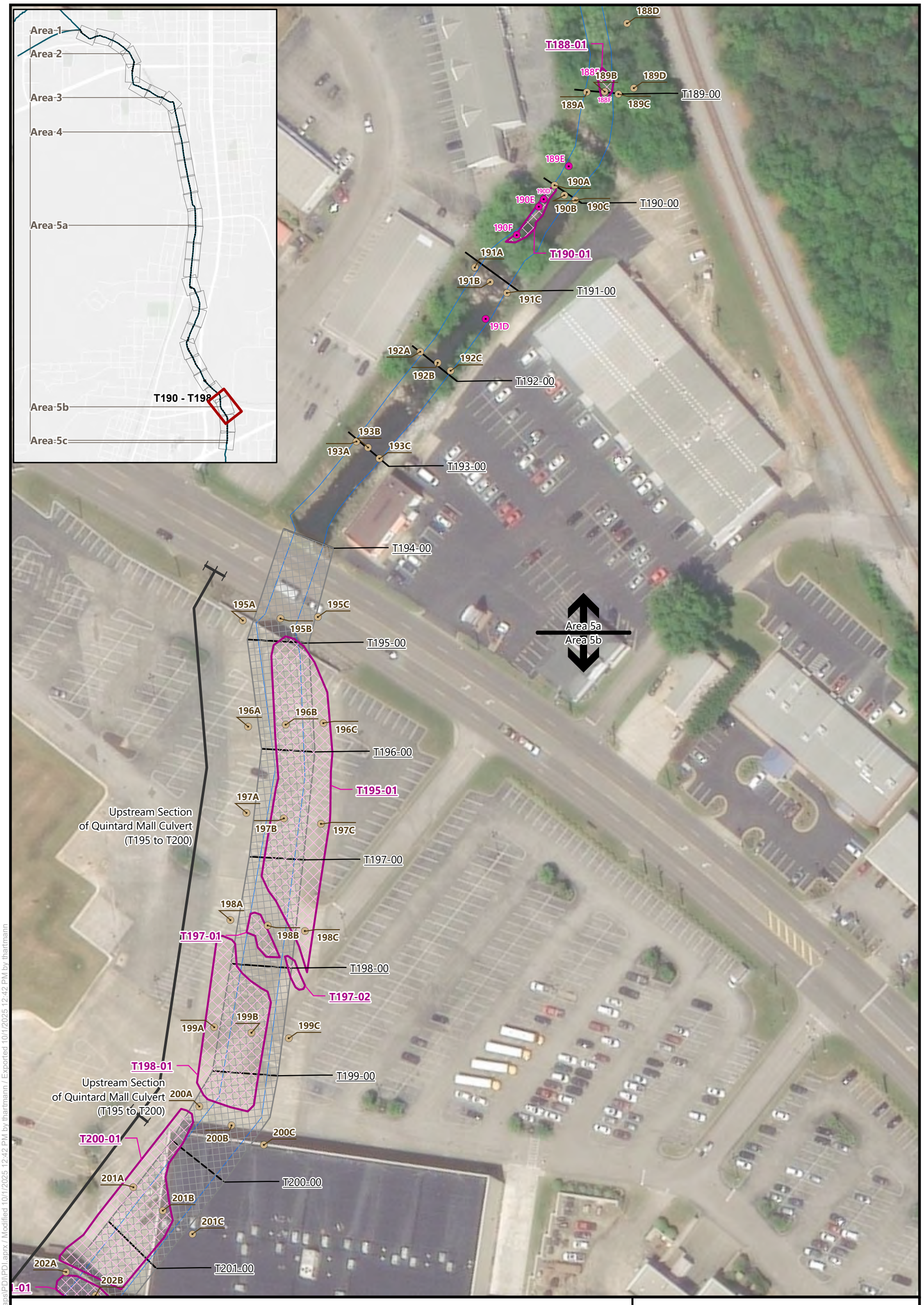
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T183 Through T191

Solutia
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Figure 4-1z

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- No Access During Phase 1
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

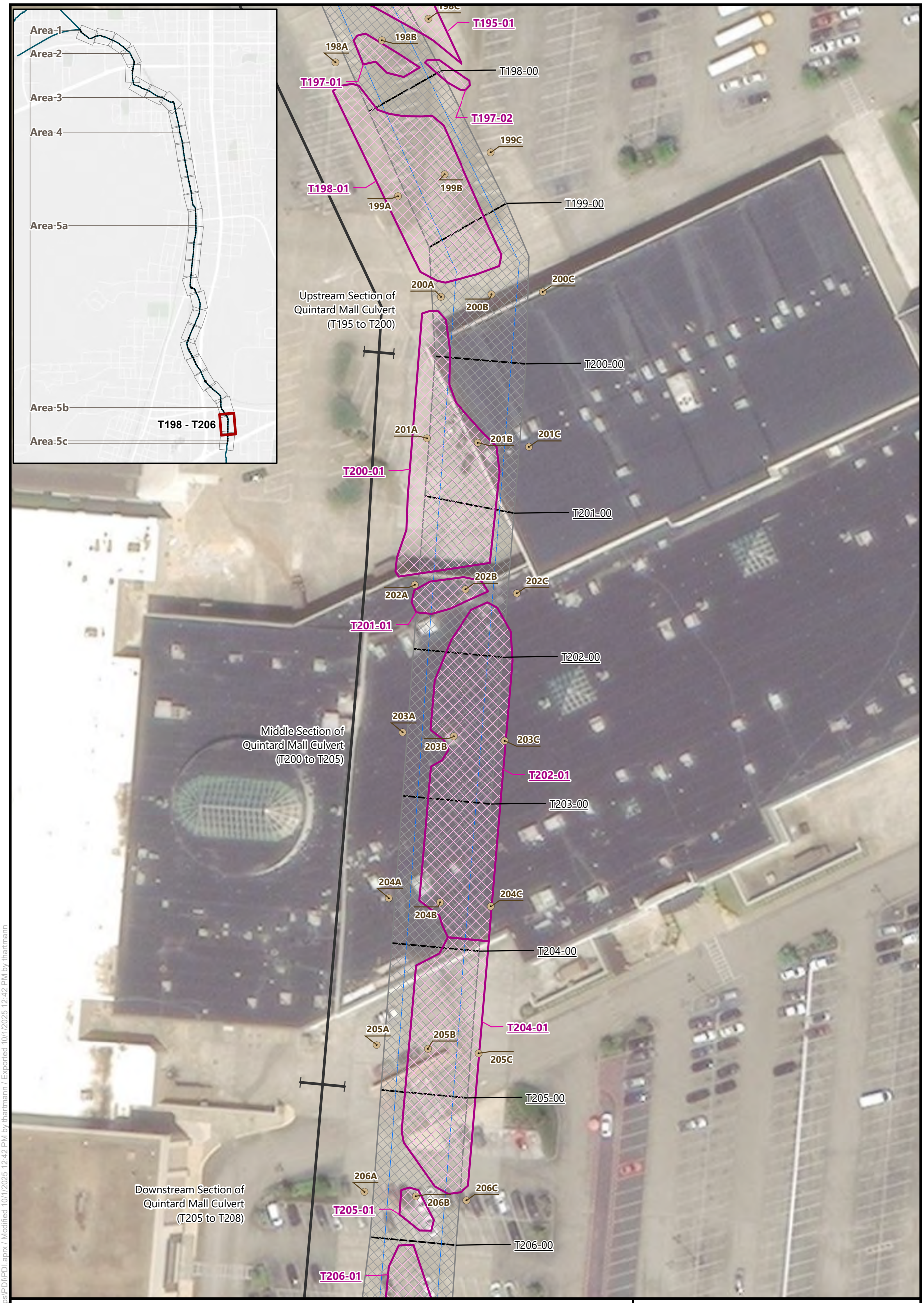
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T190 Through T198

Solutia
A wholly-owned subsidiary of Eastman

Figure 4-1aa

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- No Access During Phase 1
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.
3. Sediment probing was conducted within the culvert beneath Quintard Mall during the Phase 2 sediment sampling program.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

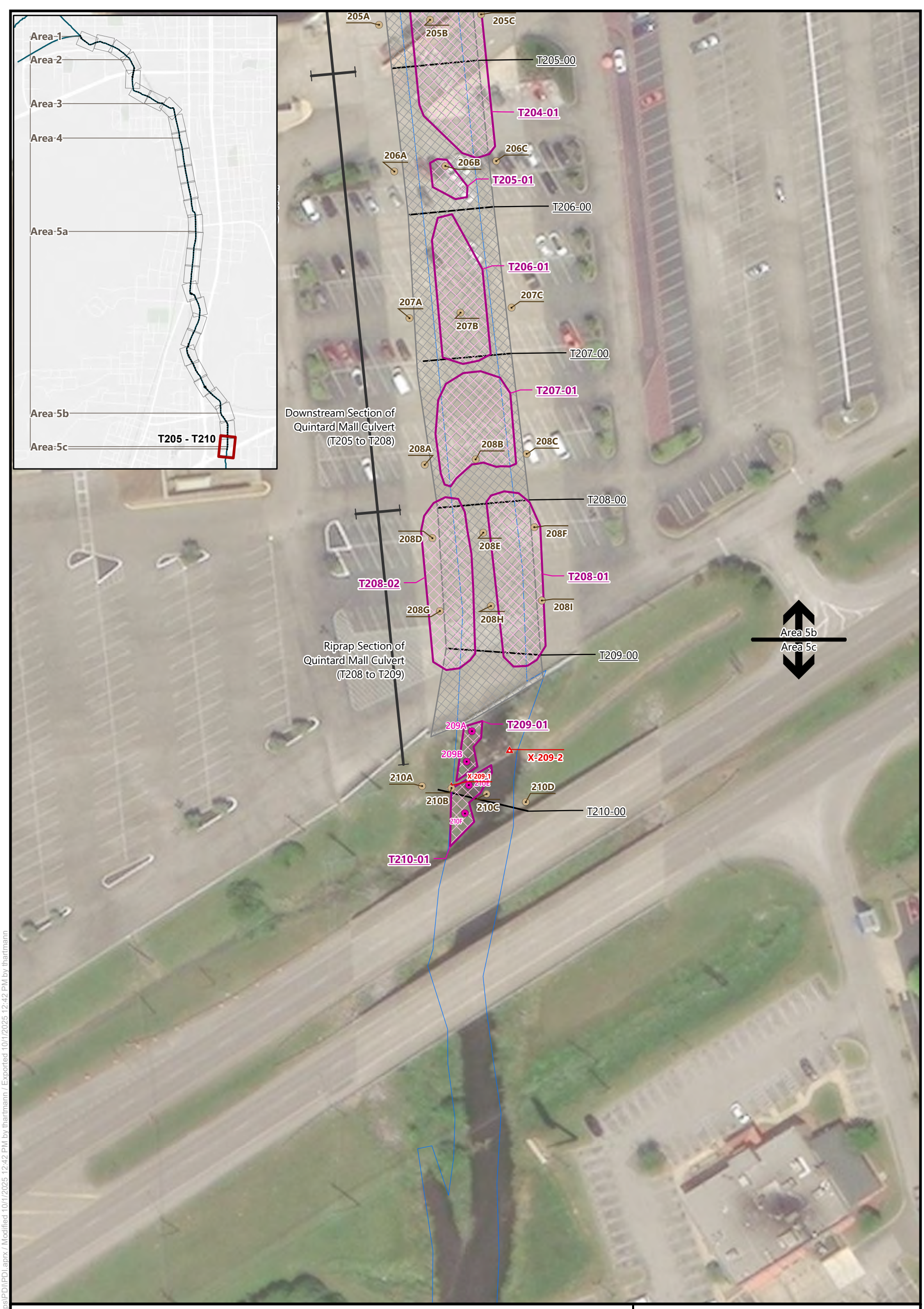
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T198 Through T206

Solutia
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Figure 4-1bb

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 12:42 PM by thartmann / Exported 10/1/2025 12:42 PM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location
- Sediment Deposit Probe Location
- PDI Field Reconnaissance Observation
- No Access During Phase 1
- Sediment Deposit Polygon

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. Phase 1 sediment probing was conducted in November 2023.
   Phase 2 sediment probing was conducted in September/October 2024.
3. Sediment probing was conducted within the culvert beneath Quintard Mall during the Phase 2 sediment sampling program.

PCB: polychlorinated biphenyl
PDI: predesign investigation

0 50 100 Feet

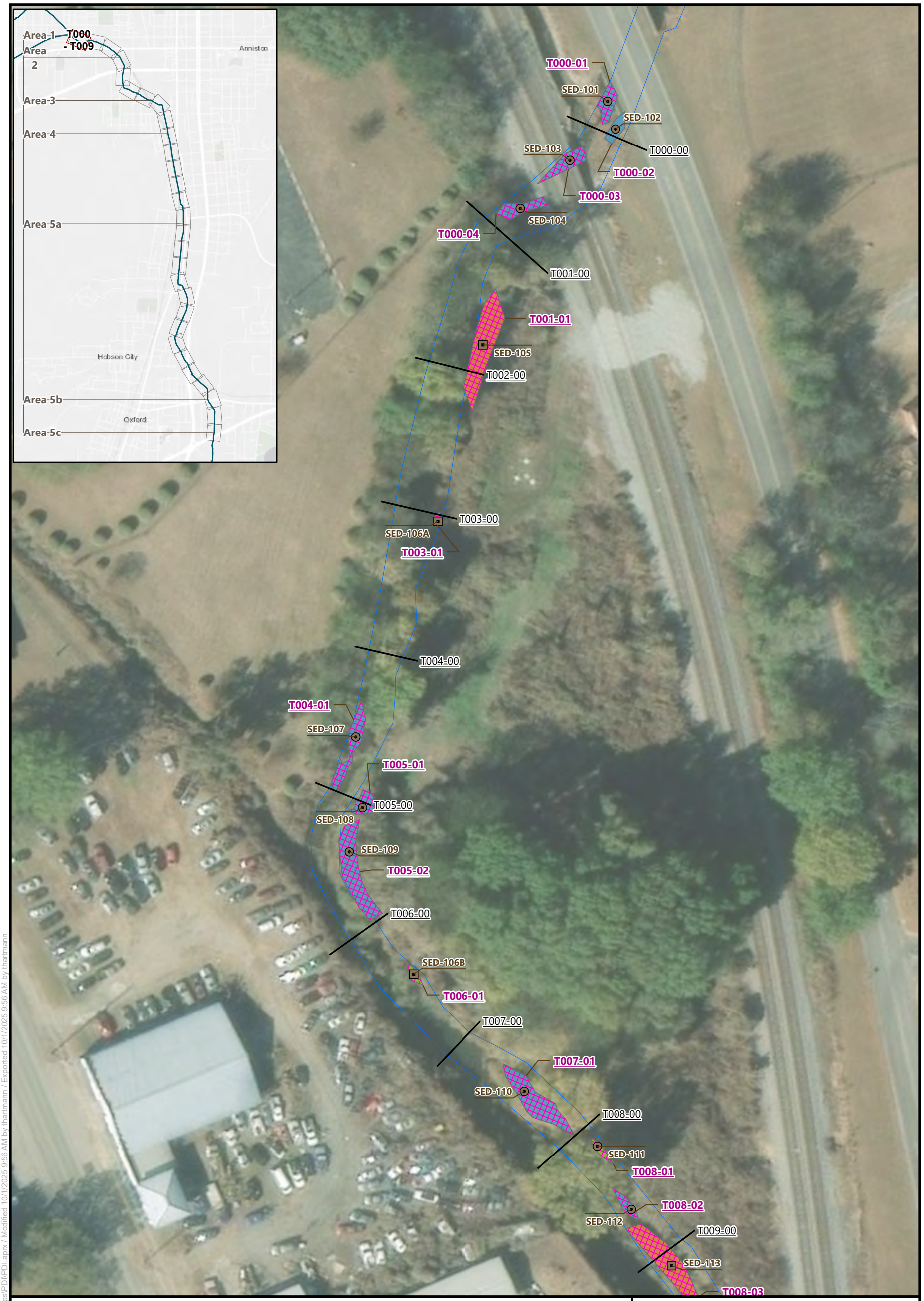
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Probing Locations: T205 Through T210

Solutia
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Figure 4-1cc

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

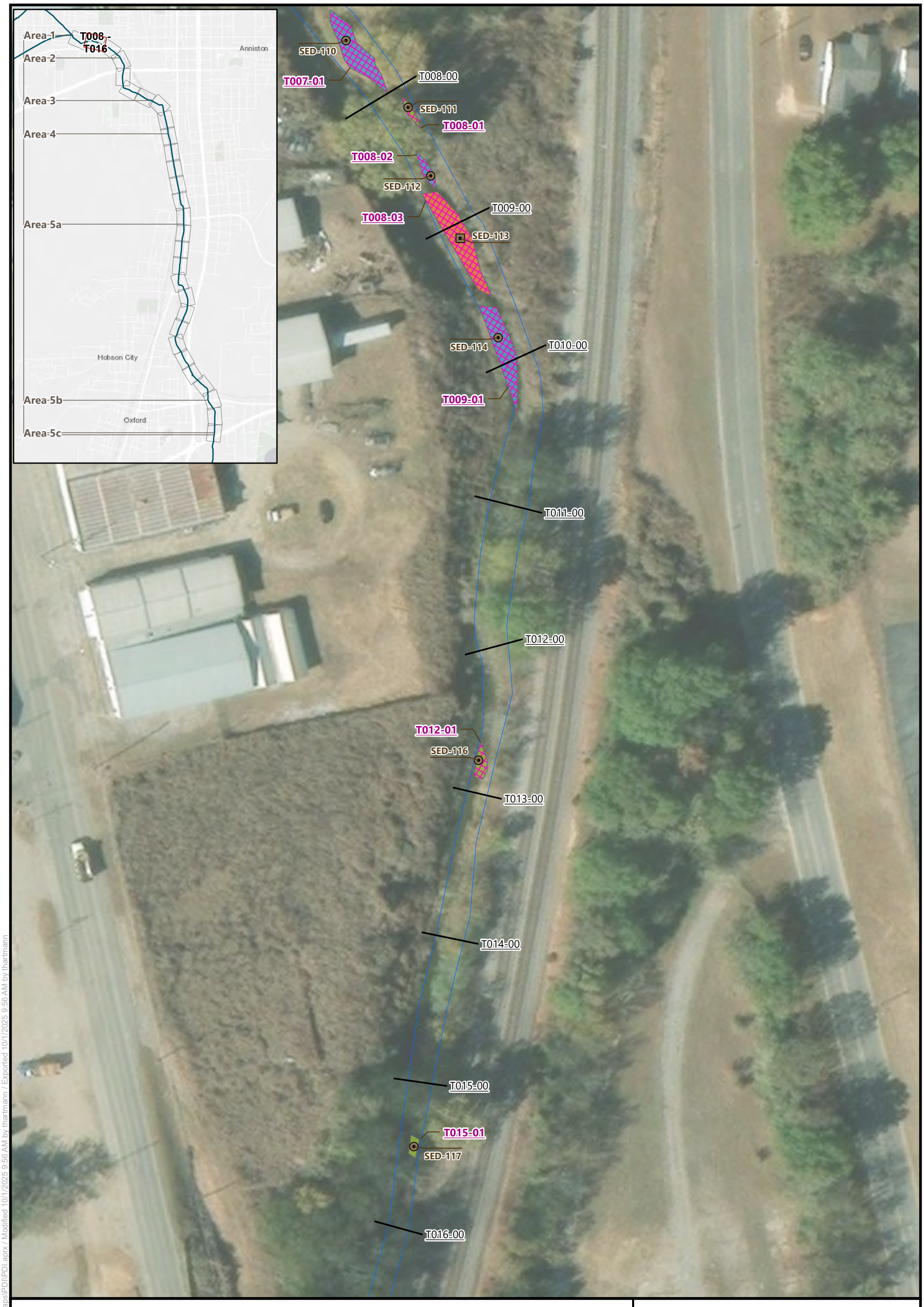
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T000 Through T009

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Figure 4-2a

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

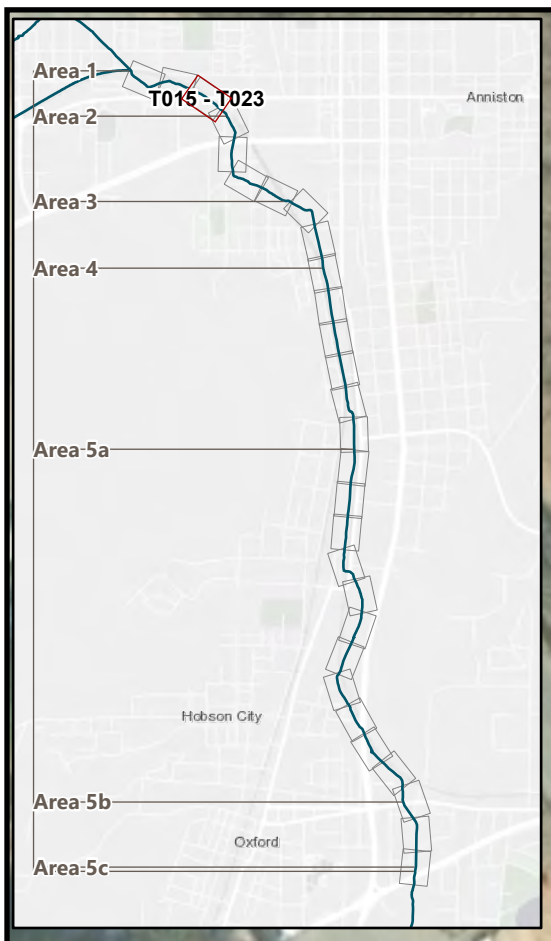
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T008 Through T016

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Figure 4-2b

File Path: \\GSTFile01\GISJobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



T015-00
T015-01
SED-117
T016-00
T017-00
T018-00
T019-00
T019-01
SED-115
T020-00
T021-00
T022-00
T023-00

Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T015 Through T023

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Figure 4-2c

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

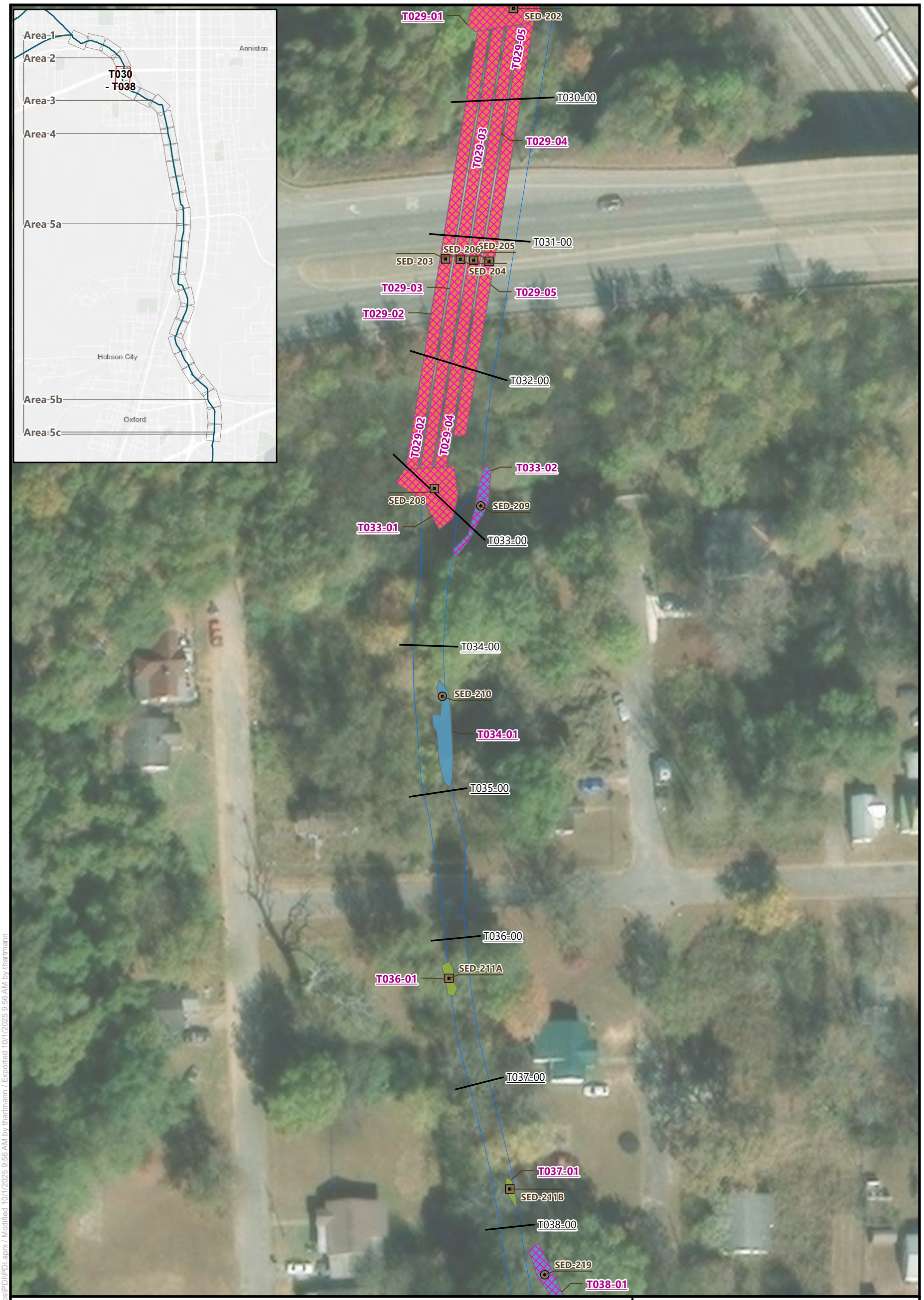
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T022 Through T031

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Figure 4-2d

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

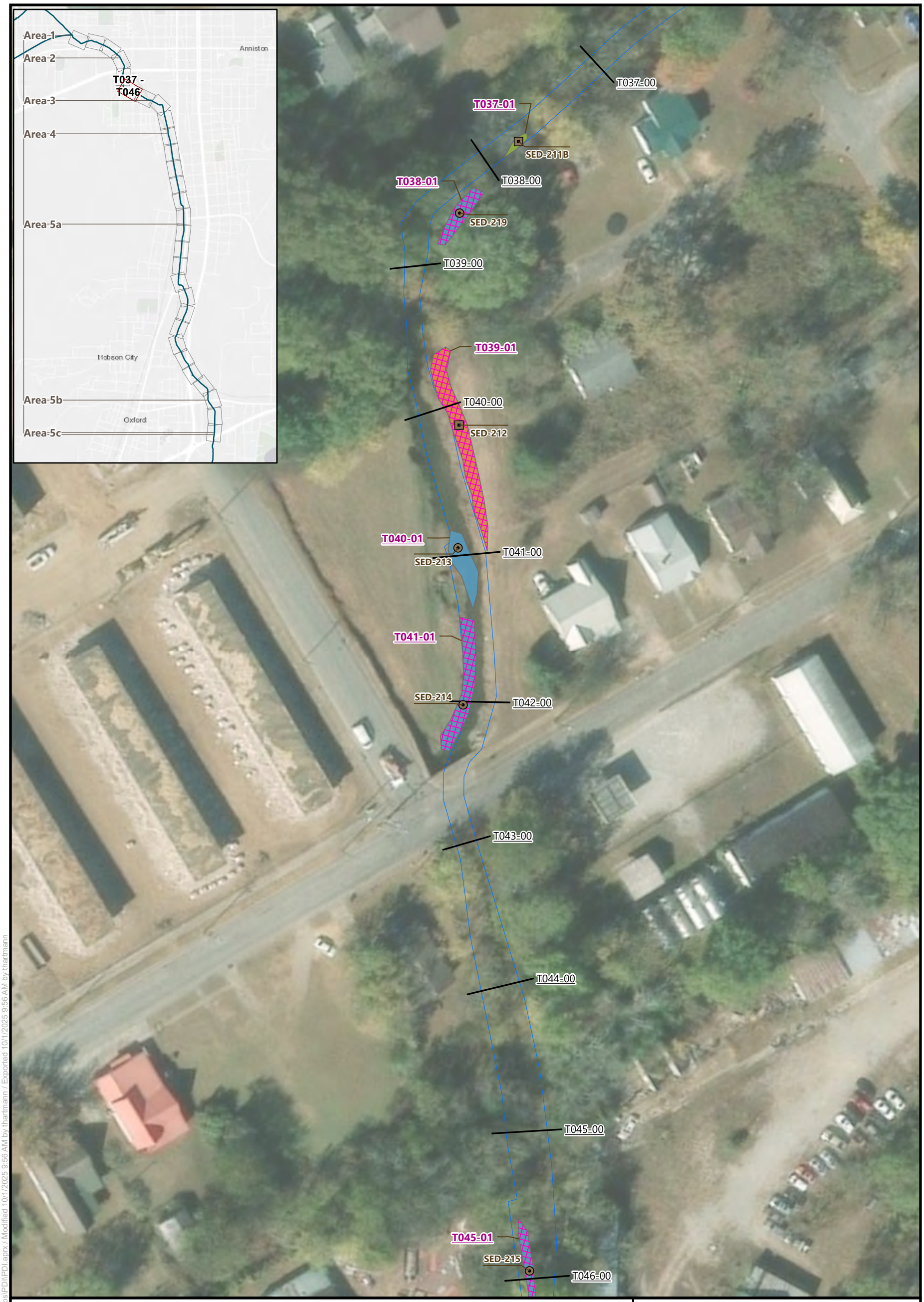
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T030 Through T038

Solutia
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Figure 4-2e

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T037 Through T046

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Figure 4-2f

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T045 Through T053

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Figure 4-2g

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

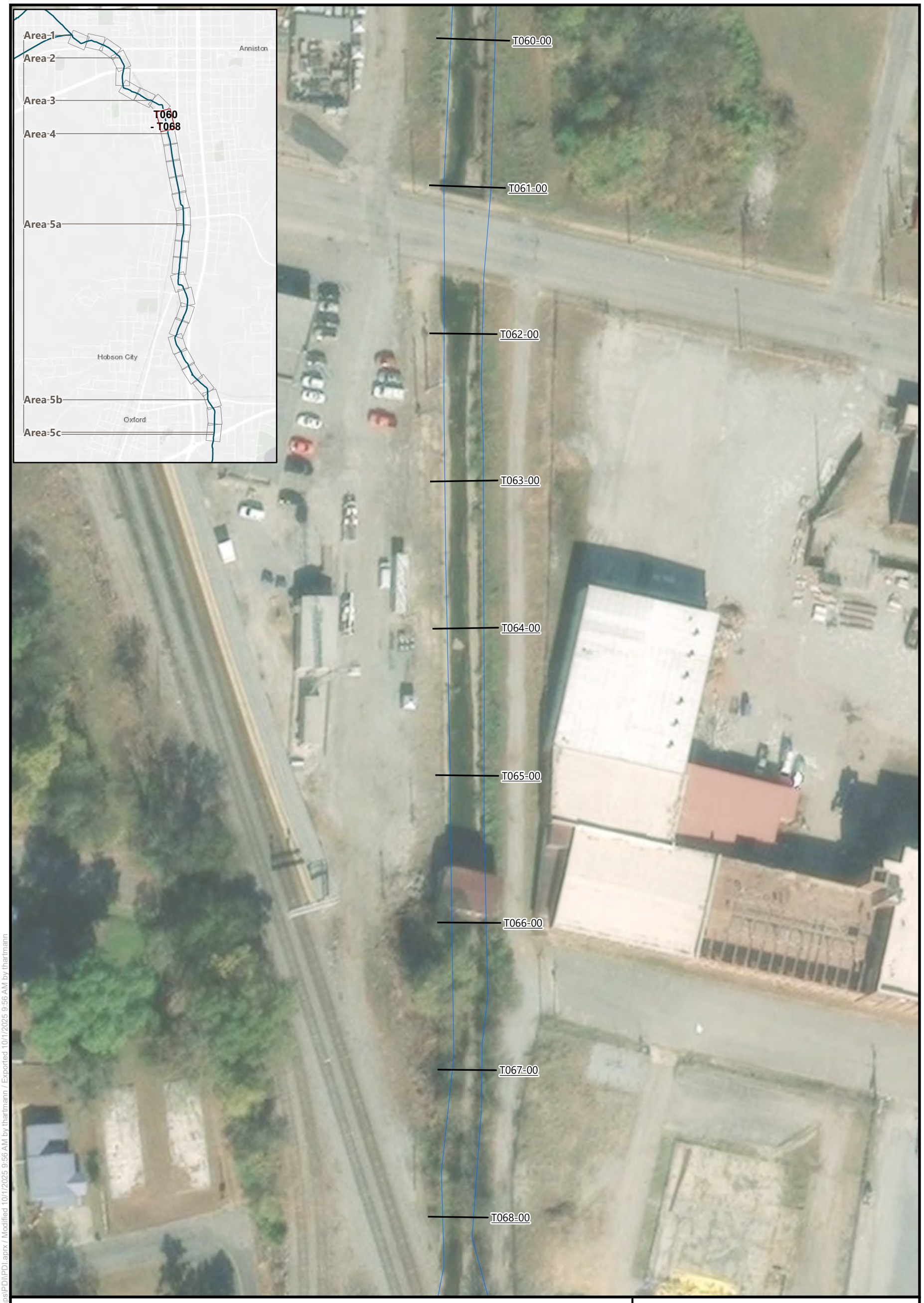
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T052 Through T061

Solutia
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Figure 4-2h

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

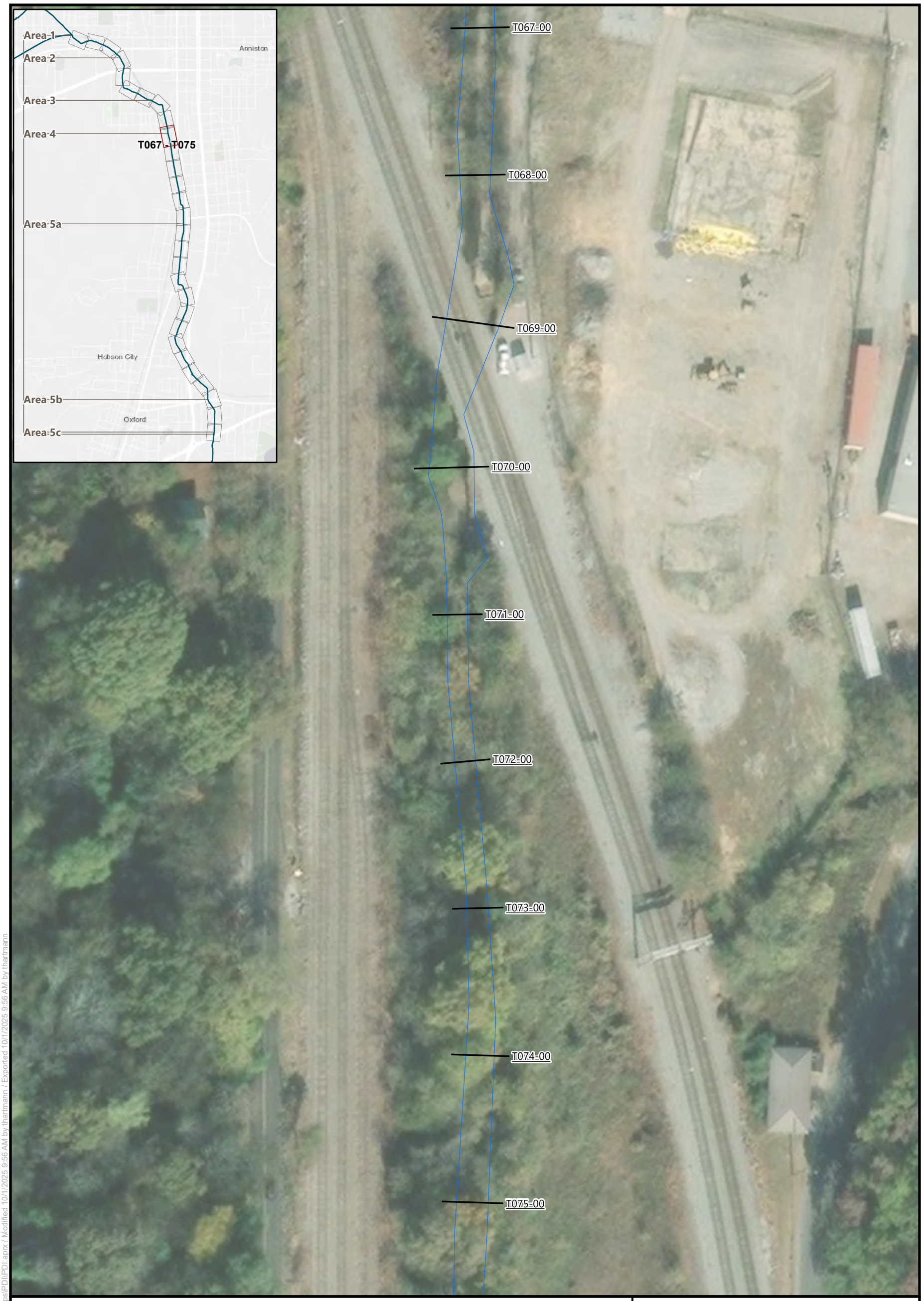
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T060 Through T068

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Figure 4-2i

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T067 Through T075

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Figure 4-2j

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T075 Through T082

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Figure 4-2k

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T082 Through T089

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Figure 4-2I

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T089 Through T096

Solutia
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Figure 4-2m

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

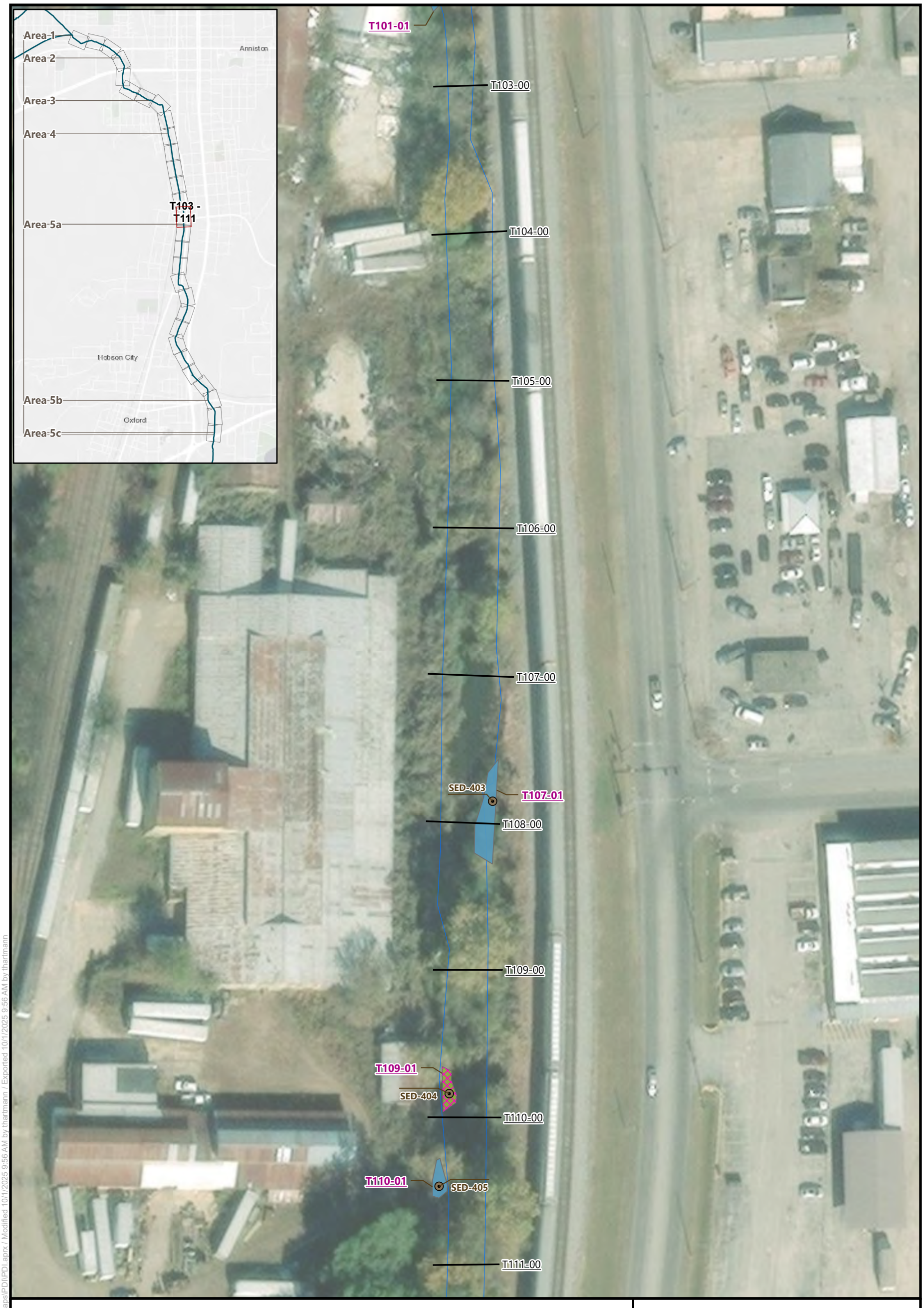
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T096 Through T104

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Figure 4-2n

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T103 Through T111

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Figure 4-2o

File Path: \\GSTFile01\GIS\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T110 Through T118

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Figure 4-2p

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T117 Through T125

Solutia
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Figure 4-2q

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

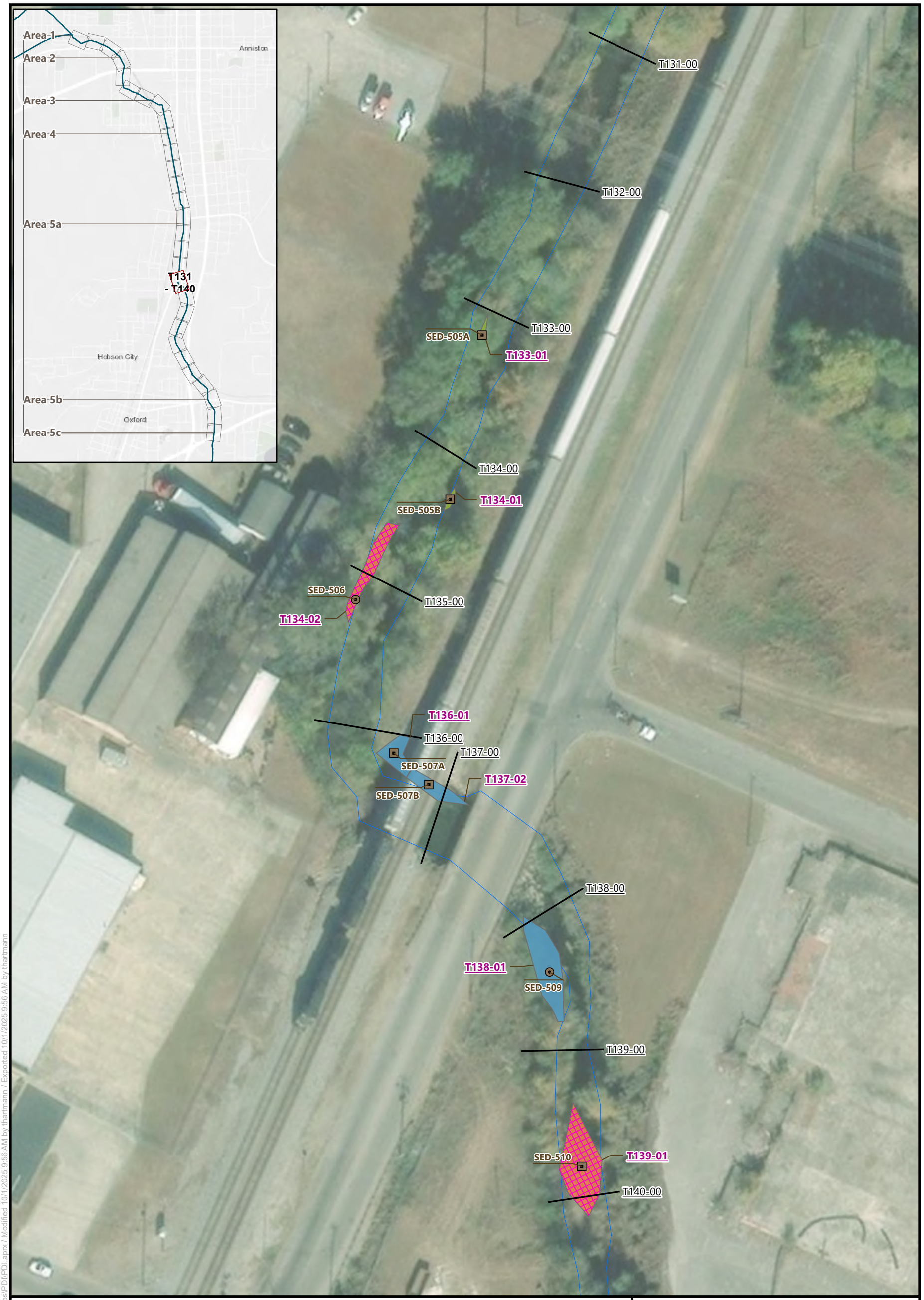
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T124 Through T132

Solutia
A wholly-owned subsidiary of Eastman

Figure 4-2r

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- ≤ 5 cubic yards
- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T131 Through T140

Solutia
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Figure 4-2s

File Path: \\GSTFile01\GIS\Jobs\Solutia\nc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T140 Through T147

Solutia
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Figure 4-2t

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

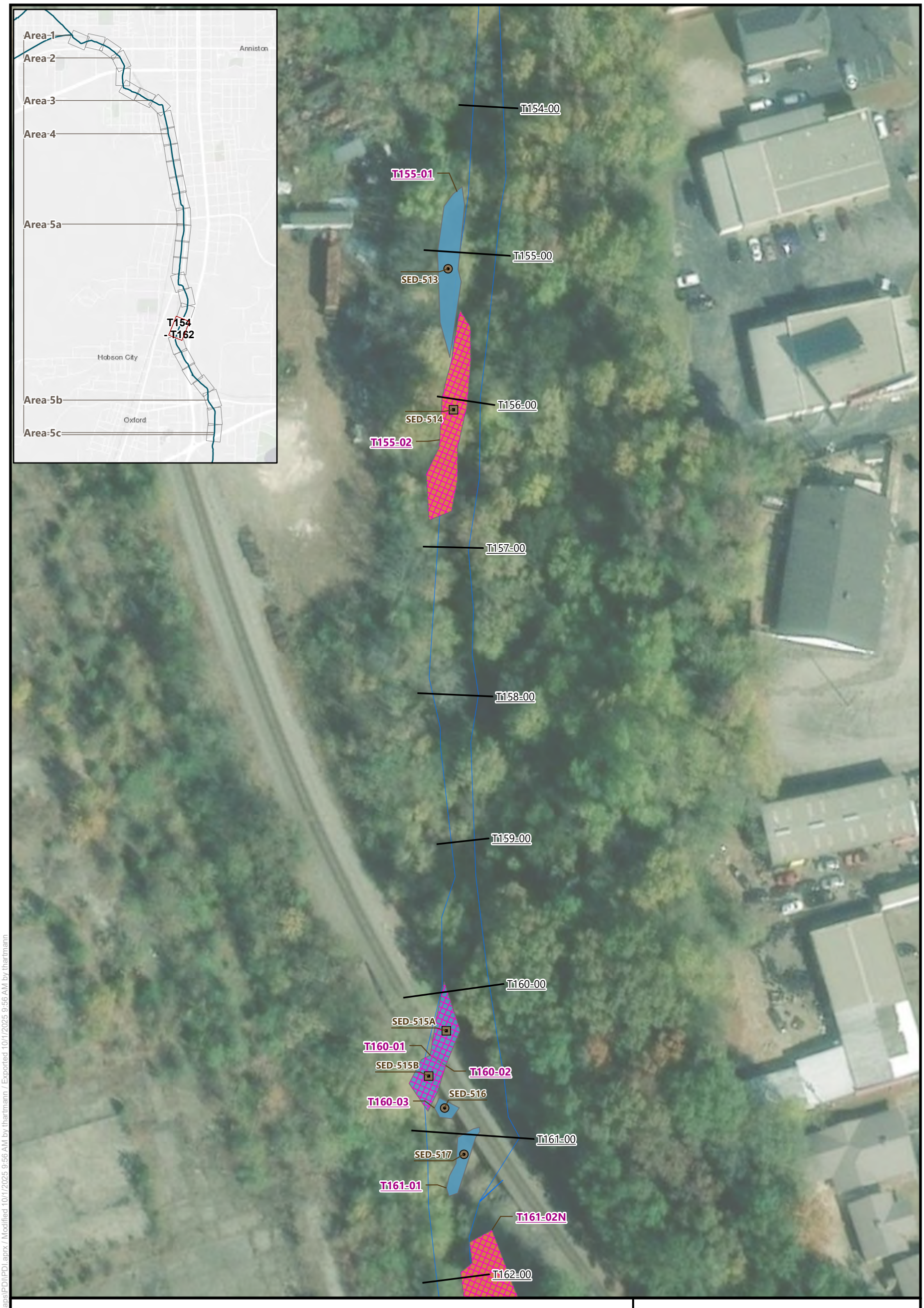
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T147 Through T154

Solutia
A wholly-owned subsidiary of Eastman

Figure 4-2u

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

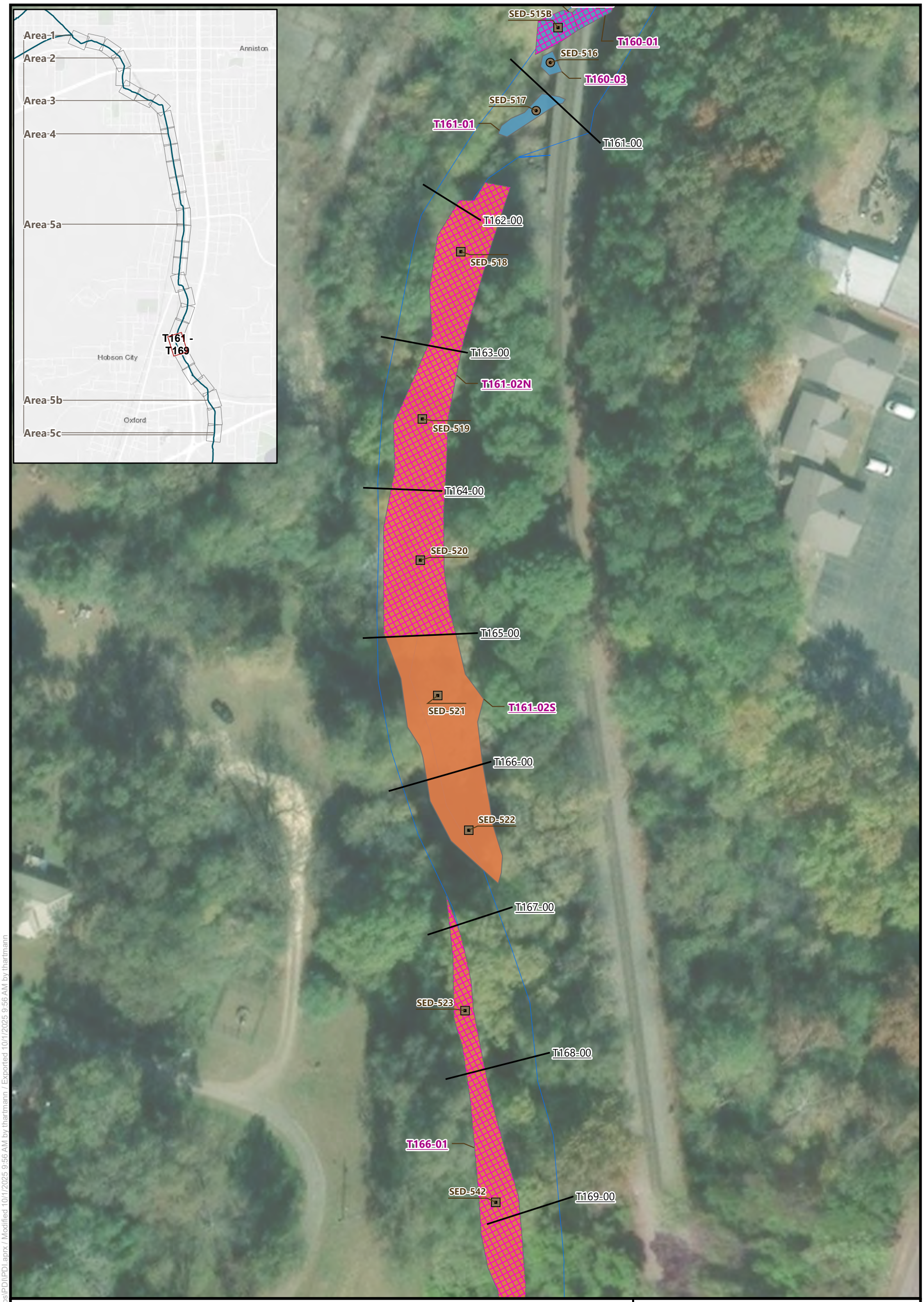
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T154 Through T162

Solutia
A wholly-owned subsidiary of Eastman

Figure 4-2v

File Path: \\GSTFile01\GISJobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

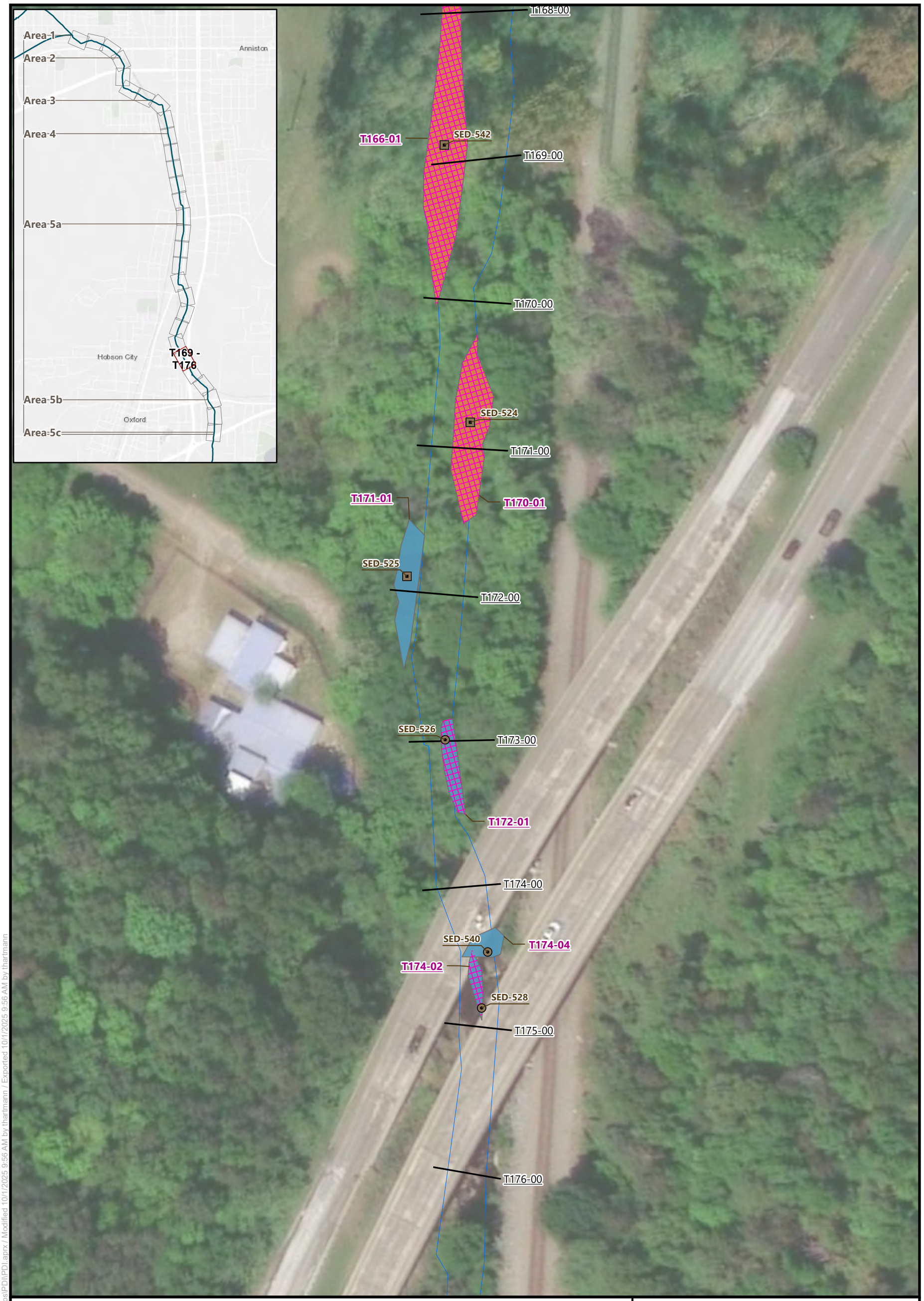
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T161 Through T169

Solutia
A wholly-owned subsidiary of Eastman

Figure 4-2w

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc_1718\Anniston_PCB_Site\Maps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards
- Exceeds ROD Remedial Goal

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T169 Through T176

Solutia
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Figure 4-2x

File Path: \\GSTFile01\GIS\Jobs\SolutiaInc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample

PDI Sediment Deposit

- > 50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T176 Through T184

Solutia
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Figure 4-2y

File Path: \\GSTFile01\GIS\Jobs\Solutiainc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

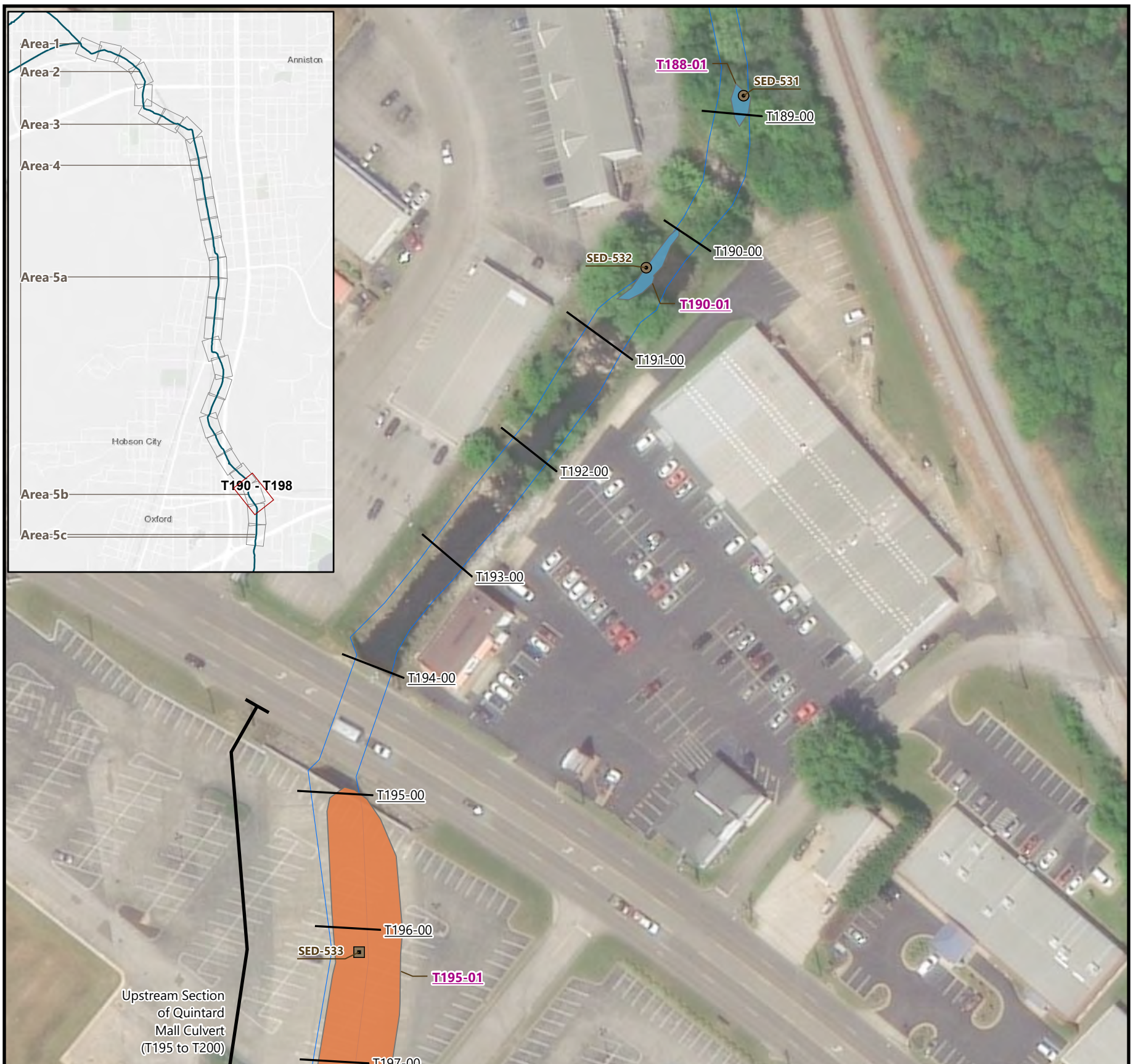
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T183 Through T191

Solutia
A wholly-owned subsidiary of Eastman

Figure 4-2z

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

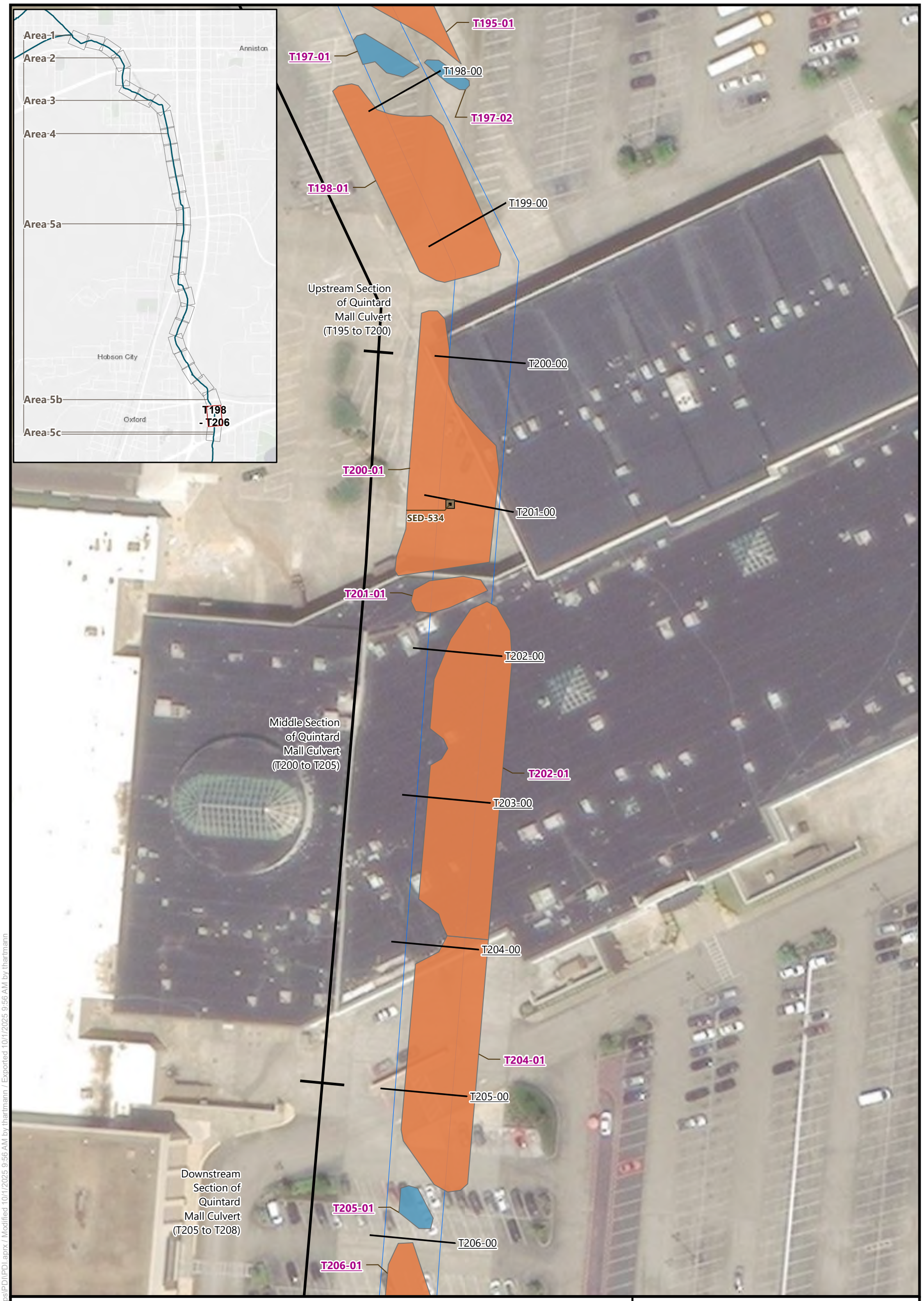
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T190 Through T198

Solutia
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Figure 4-2aa

File Path: \\GSTFile01\GIS\Jobs\Solutialnc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

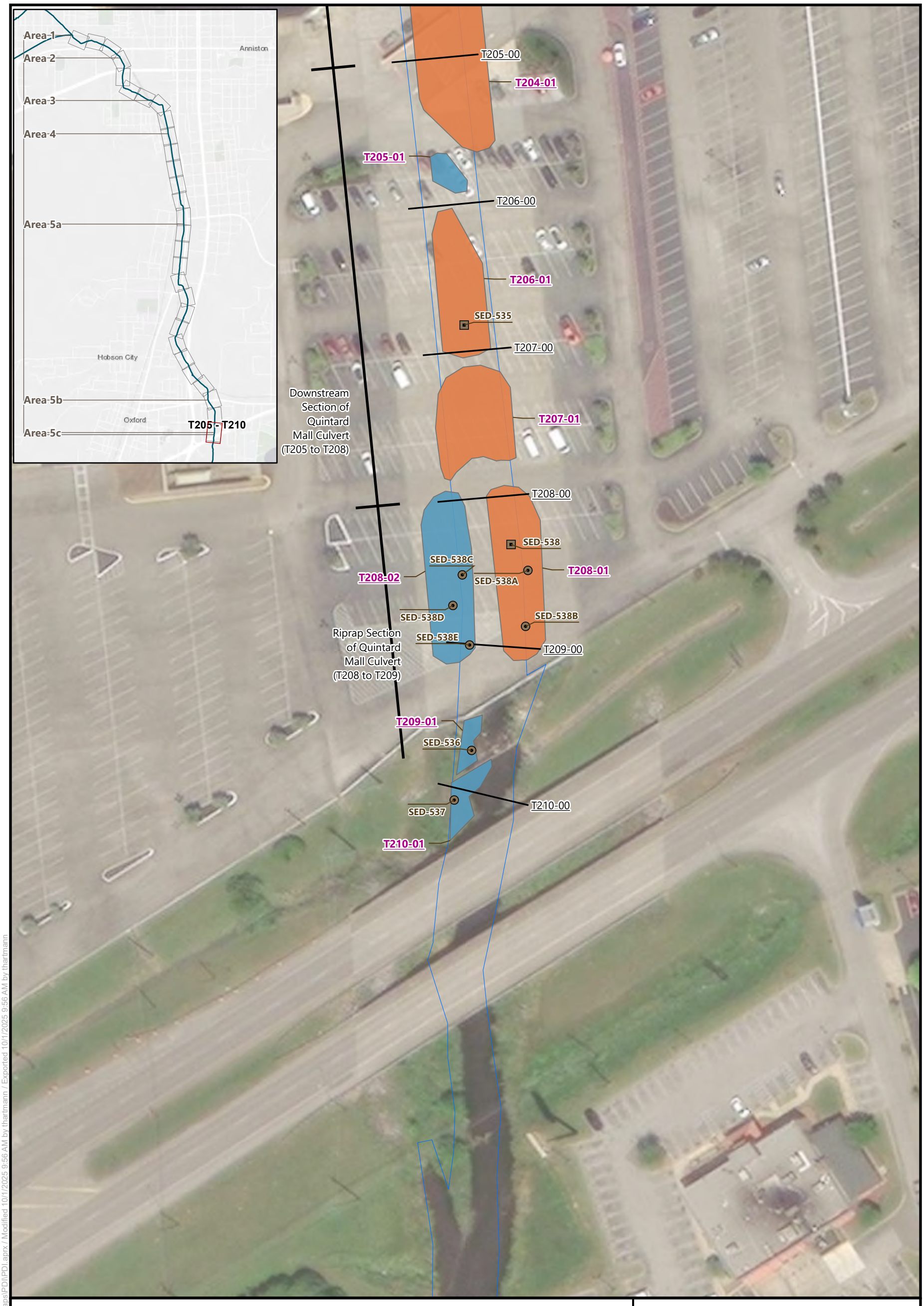
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T198 Through T206

Solutia
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Figure 4-2bb

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Composite Sample
- Grab Sample

PDI Sediment Deposit

- 5–50 cubic yards
- > 50 cubic yards

Notes:

1. Aerial imagery is from Esri (acquired: November 2023).
2. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023 and Phase 2 sediment probing conducted in September/October 2024.

PDI: predesign investigation
PCB: polychlorinated biphenyl
ROD: Record of Decision

0 50 100
Feet

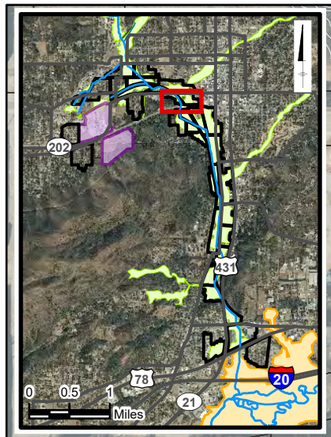
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

PDI Sediment Deposit and Sediment Sampling Locations: T205 Through T210

Solutia
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Figure 4-2cc

File Path: \\GSTFile01\GIS\Jobs\Solutia\Inc 1718\Anniston PCB SiteMaps\PDI\PDI.aprx / Modified 10/1/2025 9:56 AM by thartmann / Exported 10/1/2025 9:56 AM by thartmann



W 10TH ST
W 9TH ST
W 8TH ST
GROVE ST
MULBERRY AV
LAGARDE AV
GLENADDIE AV
PALMETTO AV
PINE AV
T019-01
SC-2
SC-1
T029-01
T029-04
T029-03
T029-05
T029-02
T033-01
T033-02

Legend

Utilities
- Debris
- Gas
- Limits of Geophysics Survey
- Water
- Sewer

- Topographic Contours (1 ft Intervals)
- Snow Creek
- Sediment Remediation Area
- All Parcels
- Dredge Spoil Pile

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

ft: foot
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

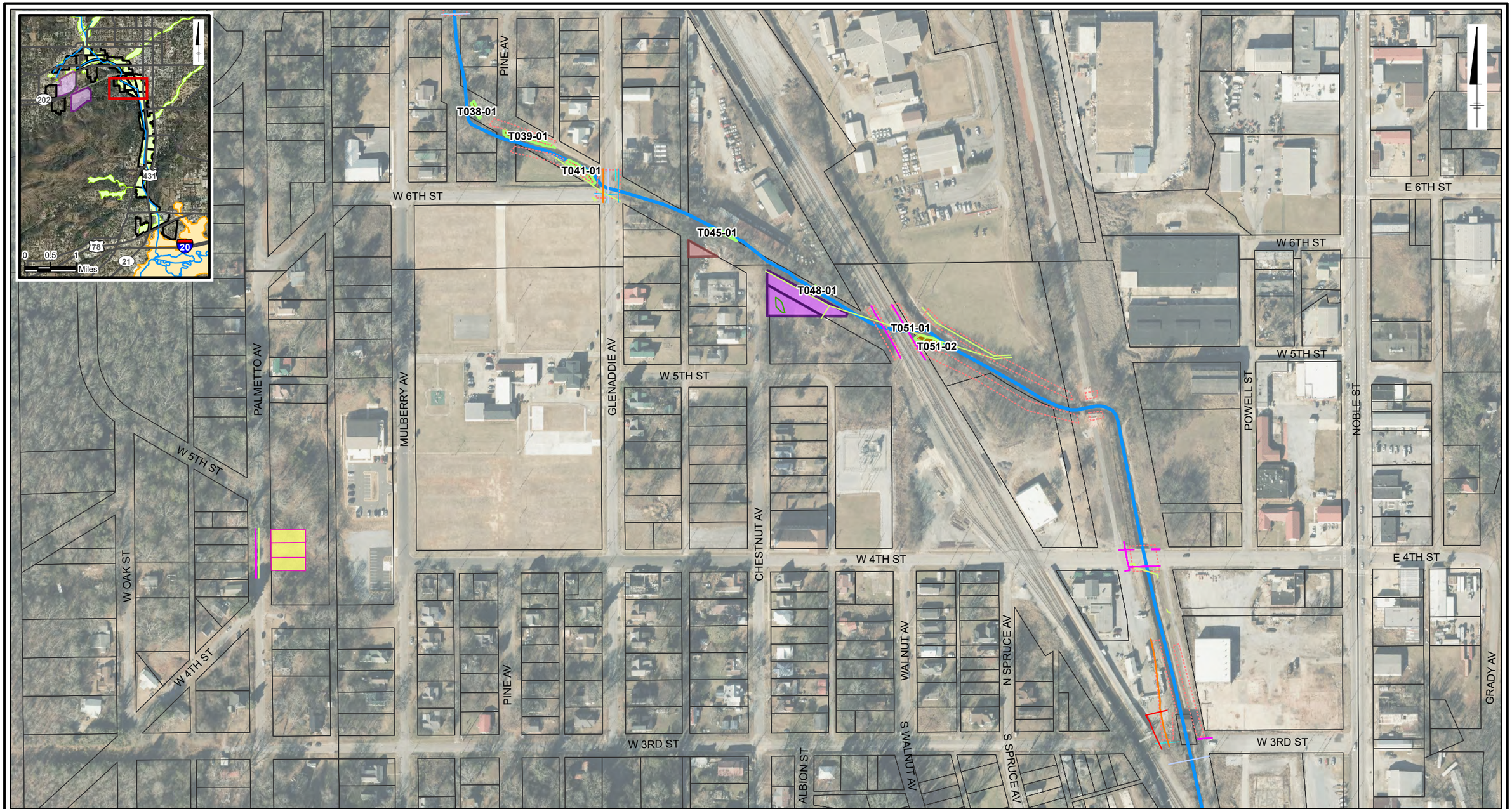
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
A wholly-owned subsidiary of Eastman

Figure 5-1a

Anniston
N:\A\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents aprx 10/9/2025 8:27 PM



Legend

Utilities
- Debris
- Electrical
- Gas
- Limits of Geophysics Survey
- Water
- Storm Drain
- Sewer
- Telephone
- Unknown

- Snow Creek
- Sediment Remediation Area
- All Parcels
- Special Use: Low-Activity Area ≥1 mg/kg
- Nonresidential Soil Remediation Footprint

- Remediation Footprints for Nonresidential Soils (non-PCB constituents)

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.
   mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl

0 250 500
Graphic Scale (Feet)

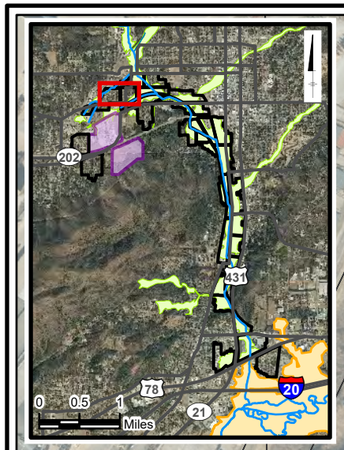
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
A wholly-owned subsidiary of Eastman

Figure 5-1b

Anniston
N:\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



W 12TH ST

LUMBER ST

CLYDESDALE AV

FERRON AV

CRAWFORD AV

BOYNTON AV

W 11TH ST

DUNCAN AV

PARKWIN AV

PIPE ST

COMMERCE ST

BANCROFT AV

W 10TH ST

700
705
710
715
720

Legend

Utilities
- Debris
- Gas
- Water
- Telephone
- Unknown

- Topographic Contours (1ft Intervals)
- 11th Street Ditch
- Snow Creek
- All Parcels
- Interim Measure and Other Early Actions

- Special Use: Low-Activity Area ≥1 mg/kg
- Drainageway Area Remediation Footprint
- Interim Measure Area Remediation Footprint: 0 to 1 foot Removal and No Subsurface Soil Sampling During PDI

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PDI: predesign investigation

0 160 320
Graphic Scale (Feet)

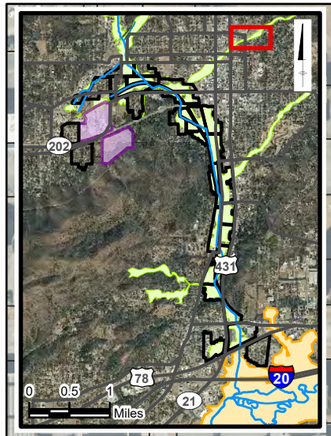
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1c

Anniston
N:\A\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



BULLDOGS
ANNISTON

E 18TH ST
E 17TH ST
E 16TH ST

LEGRANDE AV
LEIGHTON AV
CHRISTINE DR
CHRISTINE AV
WOODSTOCK AV
DAVIS AV
JEWELL ST
ROCKY HOLLOW RD
MARGUERITE AV
THOMAS AV
ACKER PL
HIGHLAND AV

Legend

Utilities
- Electrical
- Water
- Storm Drain
- Sewer
- Telephone
- Unknown

- All Parcels
- Special Use: Low-Activity Area ≥1 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
A wholly-owned subsidiary of Eastman

Figure 5-1d

Anniston
N:\AA\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



Legend

Utilities

- Electrical
- Water
- Storm Drain
- Unknown
- All Parcels
- Special Use: Low-Activity Area ≥1 mg/kg

Notes:

1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
A wholly-owned subsidiary of Eastman

Figure
5-1e

Anniston
N:\A\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



Legend

Utilities
- Electrical
- Gas
- Water
- Storm Drain
- Unknown

- All Parcels
- Special Use: Low-Activity Area ≥1 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 250 500
Graphic Scale (Feet)

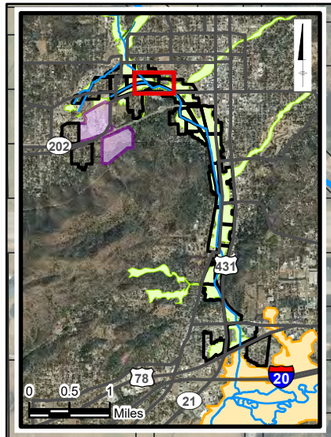
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
A wholly-owned subsidiary of Eastman

Figure 5-1f

Anniston
N:\AlAnniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



W 12TH ST
W 11TH ST
W 10TH ST
BROWN AV
WHITE AV
STEPHENS AV
COBB AV
HAVEN AV
RAINWATER CT
PINE GROVE RD
ZINN PARKWAY DR
WASHER HILL AV
LAGARDE AV

T000-01
T000-03
T000-04
T001-01
T003-01
T004-01
T005-01
T005-02
T006-01
T007-01
T008-01
T008-03
T009-01
T012-01
T019-01

Legend

Utilities
- Debris
- Gas
- Limits of Geophysics Survey
- Sewer
- Telephone
- Unknown

- Topographic Contours (1 ft Intervals)
- 11th Street Ditch
- Snow Creek
- Sediment Remediation Area
- All Parcels
- Interim Measure and Other Early Actions

- T-11 Area Remediation Footprint
- Drainageway Area Remediation Footprint
- Nonresidential Soil Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

ft: foot
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

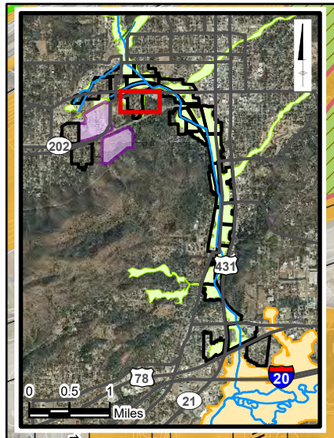
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure
5-1g

Anniston
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W 10TH ST
W 9TH ST
W 8TH ST
INDUSTRIAL AV
WASHER HILL AV
BOYNTON AV
MCDANIEL AV
MONTROSE AV
ZINN PARKWAY DR
MOSES ST
FRANKLIN DR
ANDRE
BROCKMAN AV
AL HWY 202
705
710
715
720
725

Legend

Utilities
- Debris
- Limits of Geophysics Survey
- Water
- Storm Drain
- Unknown

- Topographic Contours (1ft Intervals)
- 11th Street Ditch
- Snow Creek
- All Parcels
- Interim Measure and Other Early Actions

- Interim Measure Area Remediation Footprint
- Special Use: Low-Activity Area ≥1 mg/kg
- Interim Measure Area Remediation Footprint: 0 to 1 foot Removal and No Subsurface Soil Sampling During PDI

Notes:

1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

ft: foot
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PDI: predesign investigation

0 160 320
Graphic Scale (Feet)

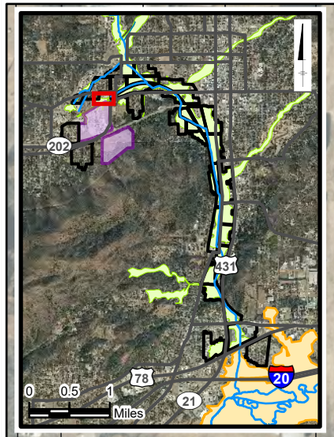
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

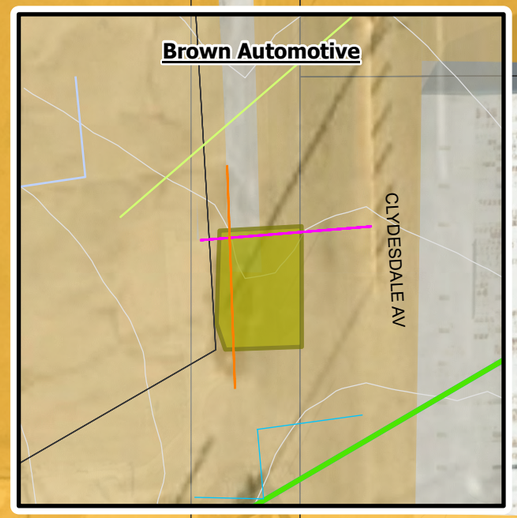
Existing Conditions

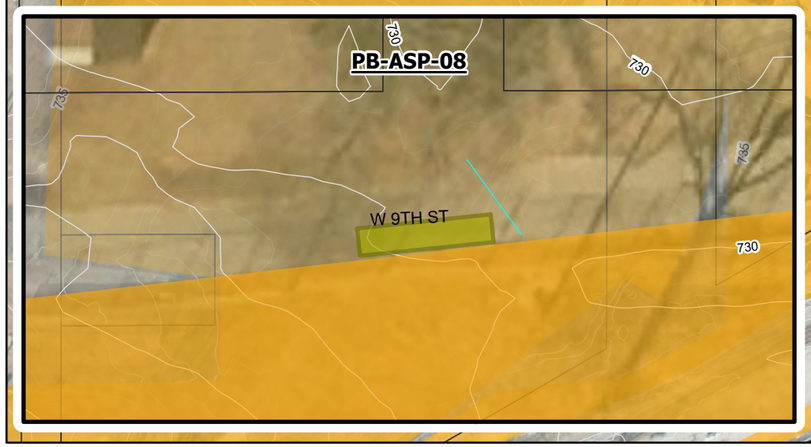
Solutia
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Figure 5-1h

Anniston
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DUNCAN AV

W 9TH ST

CLYDESDALE AV

W 10TH ST

W 8TH ST

720 725 730 735

Legend

Utilities
- Gas
- Water
- Storm Drain
- Sewer
- Telephone
- Unknown

- Topographic Contours (1 ft Intervals)
- 11th Street Ditch
- Snow Creek
- All Parcels
- Interim Measure and Other Early Actions
- Interim Measure Area Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

ft: foot
OU: operable unit
PCB: polychlorinated biphenyl

0 80 160
Graphic Scale (Feet)

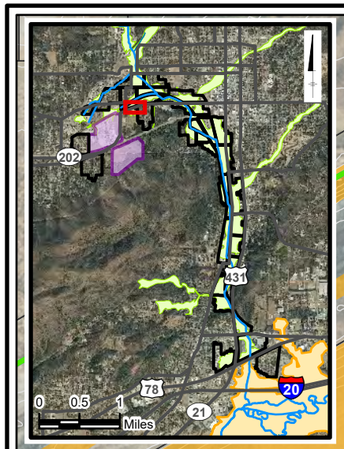
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

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Figure 5-1i

Anniston
N:\AAnniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 7:32 PM



Legend

Utilities
- Debris
- Unknown
- Topographic Contours (1 ft Intervals)
- 11th Street Ditch
- Snow Creek
- All Parcels

- Interim Measure and Other Early Actions
- Interim Measure Area Remediation Footprint
- Special Use: Low-Activity Area ≥1 mg/kg
- Interim Measure Area Remediation Footprint: 0 to 1 ft Removal and No Subsurface Soil Sampling During PDI

Notes:

1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

ft: foot
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PDI: predesign investigation

0 80 160
Graphic Scale (Feet)

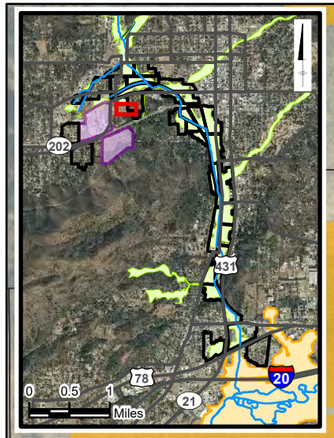
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1j

Anniston
N:\A\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



720
725
MONTROSE AV
MOSES ST
ZINN PARKWAY DR

Legend

Utilities

Limits of Geophysics Survey

Topographic Contours (1ft Intervals)

All Parcels

Interim Measure and Other Early Actions

Interim Measure Area Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

ft: foot
OU: operable unit
PCB: polychlorinated biphenyl

0 80 160
Graphic Scale (Feet)

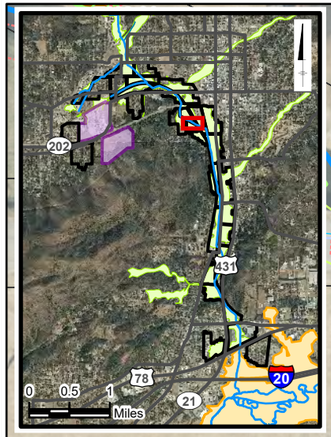
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure
5-1k

Anniston
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T045-01

T048-01

T051-01

T051-02

GLENADDIE AV

CHESTNUT AV

W 5TH ST

Legend

Utilities
- Debris
- Gas
- Limits of Geophysics Survey
- Water
- Storm Drain
- Sewer
- Telephone
- Unknown

- Snow Creek
- Sediment Remediation Area
- All Parcels
- Nonresidential Soil Remediation Footprint

- Remediation Footprints for Nonresidential Soils (non-PCB constituents)

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.
   OU: operable unit
   PCB: polychlorinated biphenyl

0 80 160
Graphic Scale (Feet)

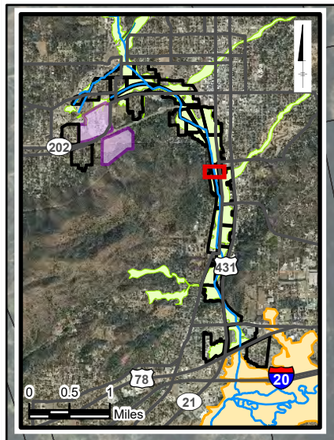
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure
5-1I

Anniston
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Legend

- Snow Creek
- All Parcels
- Nonresidential Soil Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.
   OU: operable unit
   PCB: polychlorinated biphenyl

0 80 160
Graphic Scale (Feet)

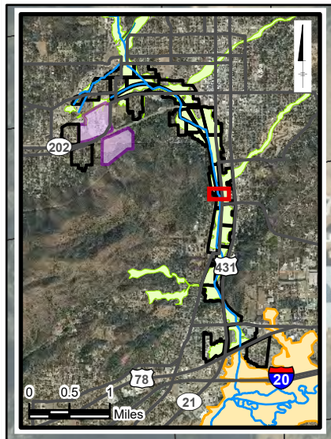
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

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Figure
5-1m

Anniston
N:\A\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



BAXTER ST
FRONT ST
S NOBLE ST
G ST
H ST
S WILMER AV

Legend

Utilities
- Debris
- Limits of Geophysics Survey
- Snow Creek
- All Parcels
- Nonresidential Soil Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

OU: operable unit
PCB: polychlorinated bipheynl

0 80 160
Graphic Scale (Feet)

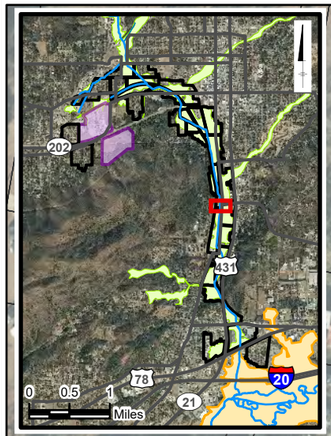
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1n

Anniston
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Legend

Utilities

- Debris
- Limits of Geophysics Survey
- Unknown
- Snow Creek
- Sediment Remediation Area
- All Parcels

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.
   OU: operable unit
   PCB: polychlorinated biphenyl

0 80 160
Graphic Scale (Feet)

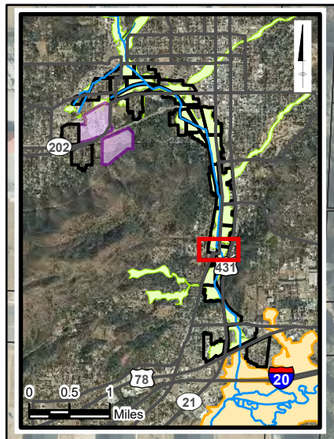
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1o

Anniston
N:\AL\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



FRONT ST
CONSTANTINE AV
CHESTNUT ST
FRONT ST
S NOBLE ST
P ST
O ST
S QUINTARD AV
T134-02
T139-01
T142-01
T145-01
635
640
645
630

Legend

Utilities
- Electrical
- Limits of Geophysics Survey
- Sewer
- Telephone
- Unknown

- Snow Creek
- Sediment Remediation Area
- All Parcels

- Remediation Footprints for Nonresidential Soils (non-PCB constituents)

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

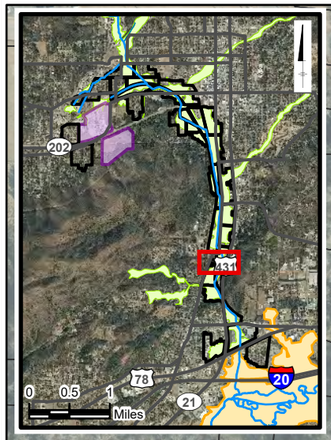
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1p

Anniston
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CHESTNUT ST
S NOBLE ST
CONSTANTINE AV
FRONT ST
S QUINTARD AV
PYLE AV
T142-01
T145-01
SC-3

Legend

Utilities
- Debris
- Limits of Geophysics Survey
- Unknown
- Snow Creek
- Sediment Remediation Area

- All Parcels
- Dredge Spoil Pile
- Nonresidential Soil Remediation Footprint
- Remediation Footprints for Nonresidential Soils (non-PCB constituents)

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.
   OU: operable unit
   PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

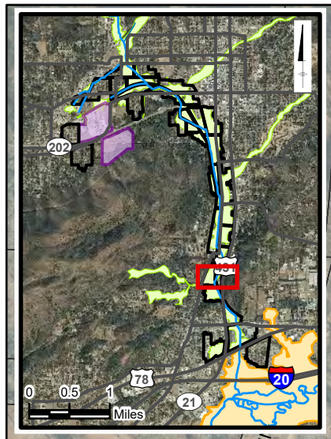
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure
5-1q

Anniston
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CONSTANTINE

FRONT ST

WILKERSON DR

GRAY ST

MAIN ST

GWIN ST

S QUINTARD AV

T155-02

SC-8

SC-7

T160-01

T160-02

T161-02

635 630 625 640 645 650 655 660 665 670 675 680

Legend

Utilities

- Limits of Geophysics Survey
- Sewer
- Unknown
- Snow Creek
- Sediment Remediation Area
- All Parcels
- Dredge Spoil Pile

Notes:

1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.
   OU: operable unit
   PCB: polychlorinated biphenyl

0 160 320

Graphic Scale (Feet)

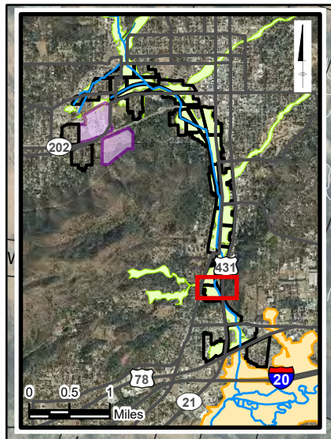
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure
5-1r

Anniston
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SC-7
SC-8
T160-01
T160-02
T161-02
T166-01
T170-01
T172-01
GRAY ST
MAIN ST
TEAGUE ST
GWIN ST
HALL AV
MILLER ST
NEASE ST
WILLIAMSON AV
BURTON ST
S QUINTARD AV

Legend

Utilities
- Limits of Geophysics Survey
- Water
- Storm Drain
- Sewer
- Unknown
- Snow Creek

- Sediment Remediation Area
- All Parcels
- Interim Measure and Other Early Actions
- Dredge Spoil Pile
- Nonresidential Soil Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

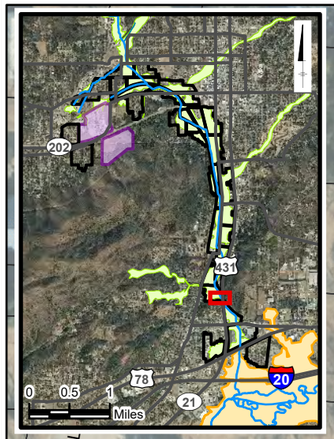
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure
5-1s

Anniston
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T166-01
T170-01
T172-01
T174-02
HALL AV
BURTON ST
S QUINTARD AV
QUINTARD DR
625
620
630
635
640
650
665
670

Legend

Utilities
- Limits of Geophysics Survey
- Water
- Storm Drain
- Sewer
- Unknown
- Snow Creek
- Sediment Remediation Area
- All Parcels
- Interim Measure and Other Early Actions
- Nonresidential Soil Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

OU: operable unit
PCB: polychlorinated biphenyl

0 80 160
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1t

Anniston
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Legend

Utilities
- Electrical
- Sewer
- Telephone
- Unknown

- Snow Creek
- All Parcels
- Interim Measure and Other Early Actions
- Special Use: Low-Activity Area ≥1 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

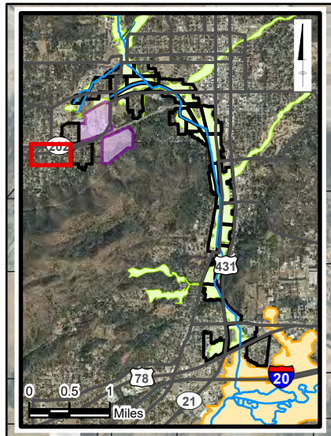
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1u

Anniston
N:\AlAnniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



AL HWY 202

3RD AV

N MARSHALL ST

N HUNTER ST

OLD BIRMINGHAM HWY

HILL AV

S LEDBETTER ST

S MARSHALL ST

S HUNTER ST

ROWAN ST

CLARA SEARS DR

HAYGOOD ST

Legend

Utilities

- Debris
- Gas
- Sewer
- Telephone
- All Parcels
- Special Use: Low-Activity Area ≥1 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

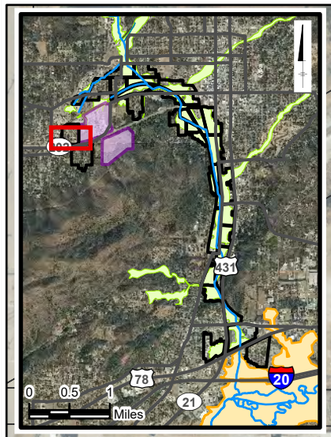
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1v

Anniston
N:\AA\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



CALHOUN ST

LE GRANDE AV

JEFFERSON ST W

EMBRY ST

1ST AV

GRIFFIS ST II

3RD AV

AL HWY 202

ACCESS

OLD BIRMINGHAM HWY

MOUNTAIN VIEW RD

SMITH ST

Legend

Utilities

- Debris
- Gas
- Water
- Unknown
- All Parcels
- Special Use: Low-Activity Area ≥1 mg/kg

Notes:

1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320

Graphic Scale (Feet)

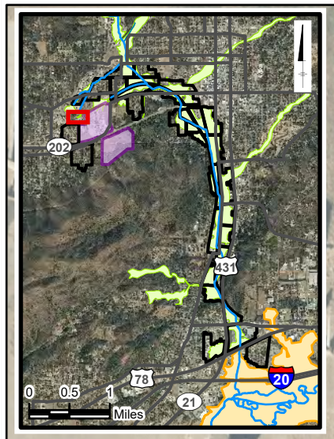
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
A wholly-owned subsidiary of Eastman

Figure
5-1w

Anniston
N:\AAnniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents.aprx 10/9/2025 8:27 PM



Legend

Utilities

Limits of Geophysics Survey

All Parcels

Interim Measure and Other Early Actions

Nonresidential Soil Remediation Footprint

Remediation Footprints for Nonresidential Soils (non-PCB constituents)

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

OU: operable unit
PCB: polychlorinated biphenyl

0 80 160
Graphic Scale (Feet)

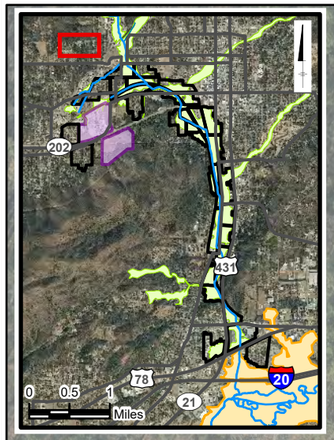
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1x

Anniston
N:\A\Anniston\GIS\aprx\2025_09_PDI_Sediments\PDI_Sediments_Creek_Extents aprx 10/9/2025 8:27 PM



W 17TH ST

W 16TH ST

W 15TH ST

WARE ST

CARTER ST

CRANE AV

LEHMAN AV

BANCROFT AV

DUNCAN AV

Legend

Utilities

Gas

All Parcels

Special Use: Low-Activity Area ≥1 mg/kg

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

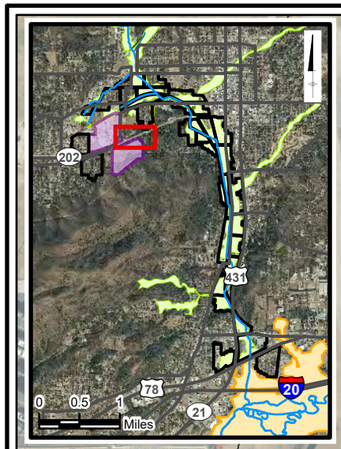
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
A wholly-owned subsidiary of Eastman

Figure 5-1y

Anniston
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W 6TH ST

CLYDESDALE AV

AL HWY 202

ZINN PARKWAY DR

BROCKMAN AV

NATALIE LN

EDWARD AV

Legend

Utilities
- Debris
- Storm Drain
- Sewer
- All Parcels

- Interim Measure and Other Early Actions
- Interim Measure Area Remediation Footprint
- Nonresidential Soil Remediation Footprint

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

OU: operable unit
PCB: polychlorinated biphenyl

0 160 320
Graphic Scale (Feet)

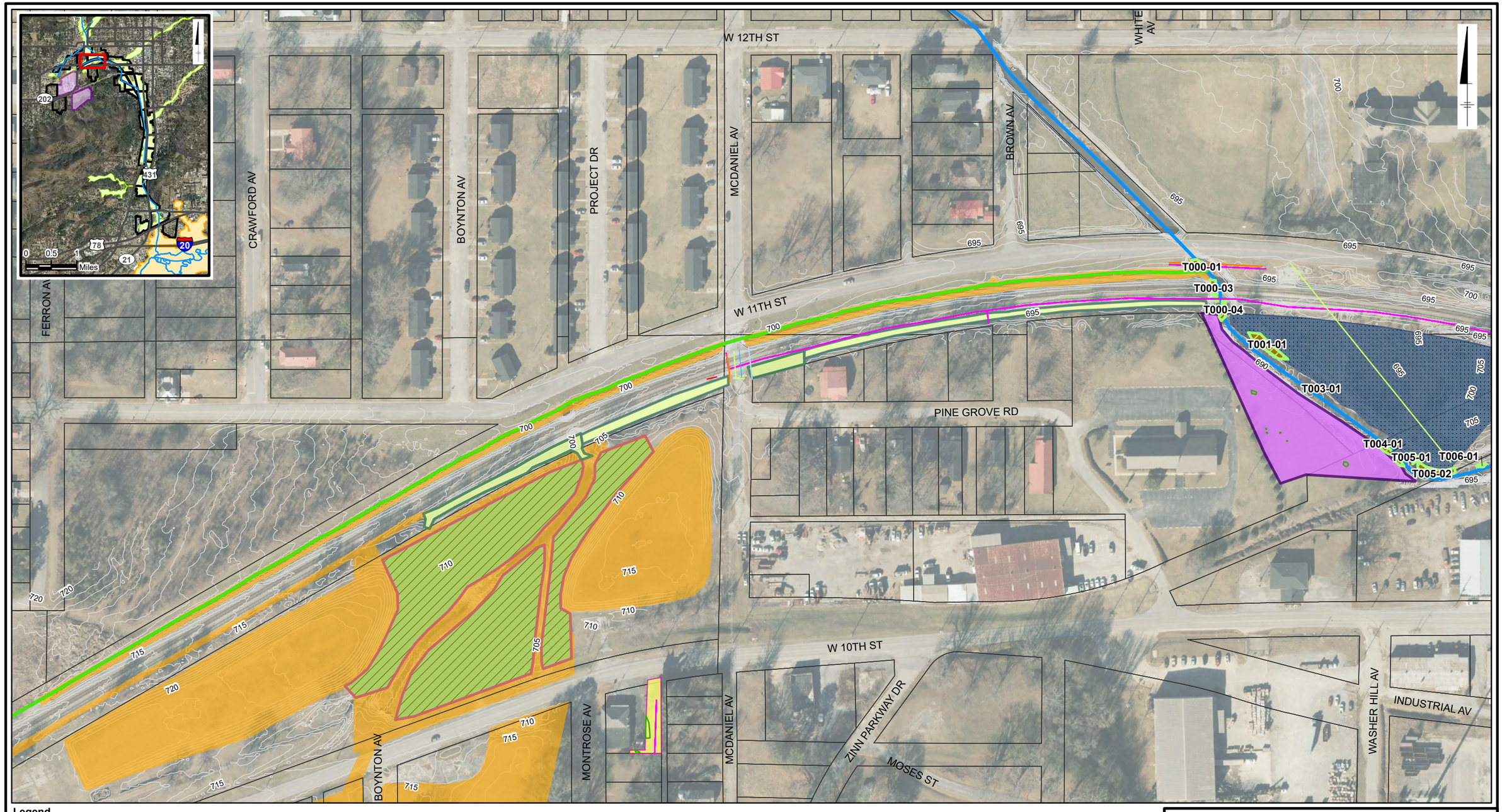
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1z

Anniston
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Legend

Utilities
- Debris
- Electrical
- Gas
- Water
- Sewer
- Telephone
- Unknown

- Topographic Contours (1 ft Intervals)
- 11th Street Ditch
- Snow Creek
- Sediment Remediation Area
- All Parcels
- Interim Measure and Other Early Actions
- T-11 Area Remediation Footprint

- Special Use: Low-Activity Area ≥1 mg/kg
- Drainageway Area Remediation Footprint
- Nonresidential Soil Remediation Footprint
- Interim Measure Area Remediation Footprint: 0-to-1 foot Removal and No Subsurface Soil Sampling During PDI

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Geophysical survey provided by Collier Geophysics.
3. Topographic contours provided by Skytec. Flight operations were conducted between 02/21/2024 and 03/11/2024.

ft: foot
mg/kg: milligrams per kilogram
OU: operable unit
PCB: polychlorinated biphenyl
PDI: predesign investigation

0 160 320
Graphic Scale (Feet)

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Existing Conditions

Solutia
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Figure 5-1aa

Anniston
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Upstream Surface Water Sampling Location (near West 14th Street)

15TH ST W
BOYNTON AVE
14TH ST W
SW-1
CRAWFORD AVE
BOYNTON AVE
MCDANIEL AVE
12TH ST W
PROJECT DR

202

431

SW-2
HAMRIC DR E
ALI WAY
PATRICK ST
BRUCE ST

Downstream Surface Water Sampling Location (near Highway 78)

78

Legend

- Surface Water Sampling Location
- Snow Creek Centerline

Notes
1. Aerial imagery provided by Esri basemap services

0 1,000 2,000
Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Baseline Surface Water Sampling Locations Along Snow Creek

Solutia
A wholly-owned subsidiary of Eastman

Figure
6-1

File Path: \\GSTFile01\GIS\Jobs\Solutialnc_1718\Anniston_PCB_Site\Maps\PDI\PDI.aprx / Modified 9/29/2025 3:18 PM by thartmann / Exported 9/29/2025 4:51 PM by thartmann

APPENDIX A-1

Interim Predesign Investigation Data Summary Report: Inspections of Low-Activity Special Use Areas and Hall Street Interim Measure Area

INTERIM PREDESIGN INVESTIGATION DATA SUMMARY REPORT: INSPECTIONS OF LOW-ACTIVITY SPECIAL USE AREAS AND HALL STREET INTERIM MEASURE AREA

Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site

Submitted by

Pharmacia LLC/Solutia Inc.

July 2023

EXECUTIVE SUMMARY

This Interim Predesign Investigation (PDI) Data Summary report provides the results of inspections that were conducted for the low-activity special use areas and Hall Street interim measure (IM) area located in the Operable Unit 1/Operable Unit 2 (OU-1/OU-2) portion of the Anniston PCB Site. The inspections were conducted as part of PDI process and will provide data for preparing the OU-1/OU-2 remedial design (RD).

The United States Environmental Protection Agency (USEPA) identified 19 properties with low-activity special use areas in the 2017 OU-1/OU-2 Record of Decision (ROD). The land use conditions for these 19 low-activity special use properties were initially identified in 2006 under the Stipulation and Agreement (Stipulation) between Pharmacia LLC/Solutia Inc. (P/S) and USEPA. The goal for this initial step in the PDI process was to confirm which of the 19 properties would be subject to PDI sampling and remediation based on current land use (are the areas being used or could be used for low-activity special uses), applicable polychlorinated biphenyl (PCB) results, and whether the areas were unsuitable for removal based on the presence of overgrown vegetation.

The 19 properties identified in the OU-1/OU-2 ROD were inspected during the PDI in April 2023. The results of these PDI inspections and subsequent data evaluations show that 7 of the 19 properties have experienced some changes since they were identified in the OU-1/OU-2 ROD. There is one property where overgrown vegetation has been removed making it suitable for soil removal and sampling and six properties where PDI sampling or remediation are not required for all or some portions of the property. These include two properties where the land use condition is no longer low-activity special use and four properties where the surface soil PCB concentrations were less than the remedial goal (1 part per million). The bases for change associated with these six properties are summarized below:

- Two of the properties identified in the OU-1/OU-2 ROD with low-activity special use areas are no longer used for low-activity special use purposes. As a result, PDI sampling and remediation for these two properties are not required.

- Three of the properties with low-activity special use areas have PCB results for composite samples that are below the required remedial goal for surface soil (1 part per million). Based on the USEPA-approved approach, the composite sample results take precedent over grab sample results for these three properties, and PDI sampling and remediation are not required.

- One of the properties with low-activity special use areas have subareas with PCB results for composite samples that are below the required remedial goal in surface soil (1 part per million). Based on the USEPA-approved approach, the composite sample results take precedent over grab sample results for two of the four low-activity special use subareas on the property. Based on this, PDI sampling and remediation are not required for two of the low-activity special use subareas yet will be required for the other two subareas.

The updated status for these low-activity special use areas will be incorporated into the OU-1/OU-2 RD. The data collected from inspecting the low-activity special use areas will be used to define the subsequent steps, including PDI sampling and development of the basis of design, in the RD process for OU-1/OU-2.

The inspection results of the Hall Street IM area are also included in the report and confirm that the cover is intact and does not need to be augmented to meet the IM design requirements. Other design considerations will be evaluated in the OU-1/OU-2 RD.

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ACRONYMS AND ABBREVIATIONS

APCO	Alabama Power Corporation
DQO	data quality objective
EU	exposure unit
IM	interim measure
mg/kg	milligram(s) per kilogram
NTC	non-time-critical
OU	operable unit
PCB	polychlorinated biphenyl
PDI	predesign investigation
PDIWP	Predesign Investigation Work Plan
PPIN	property identification number
P/S	Pharmacia LLC/Solutia Inc.
RD	remedial design
RI	remedial investigation
ROD	Record of Decision
SOW	Statement of Work
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

This Interim Predesign Investigation Data Summary report (Interim PDI Data Summary) for the low-activity special use areas and Hall Street interim measure (IM) area of the Operable Unit 1/Operable Unit 2 (OU-1/OU-2) portion of the Anniston PCB Site (the Site; Figure 1-1) was developed on behalf of Pharmacia LLC/Solutia Inc. (P/S). The Interim PDI Data Summary presents the data obtained in April and June 2023 during the inspections of the low-activity special use properties identified in the OU-1/OU-2 Record of Decision (OU-1/OU-2 ROD; USEPA 2017) and the Hall Street IM area. The investigations were conducted in accordance with the *Predesign Investigation Work Plan for the Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site* (PDIWP; P/S 2022), which was approved by the United States Environmental Protection Agency (USEPA). This Interim PDI Data Summary was prepared to facilitate decisions related to confirming the low-activity special use areas that were identified in the OU-1/OU-2 ROD prior to implementing the PDI for these areas and assessing the integrity of the Hall Street IM.

This Interim PDI Data Summary is available as an electronic deliverable at Interim PDI Data Summary. Other publicly available technical documents for OU-1/OU-2 and the Site are available at Anniston PCB Site File Exchange.

1.1 Summary of Existing Data and Data Gaps for Low-Activity Special Use Areas and Hall Street Interim Measure Area

The OU-1/OU-2 portion of the Site has been extensively sampled over the past 20-plus years. The results of these investigations are presented in a collection of reports, including the *Remedial Investigation Report for Operable Unit 1/Operable Unit 2 of the Anniston PCB Site* (RI; Environ 2015); O*U-1/OU-2 Feasibility Study Report, Anniston PCB Site* (Ramboll Environ 2016); and the *NTC Removal Action Completion Report for Residential Properties in OU-1/OU-2* (Completion Report; Golder 2015) and its associated annual addenda. The existing data and data gaps identified for floodplain and creek bank soil, groundwater, sediment, and surface water that need to be addressed to complete the OU-1/OU-2 remedial design (RD) as defined in the OU-1/OU-2 ROD are summarized in the PDIWP (P/S 2022).

Brief summaries of the existing data for the focus areas of this Interim PDI Data Summary (i.e., low-activity special use areas and Hall Street IM area) are provided below.

1.1.1 Low-Activity Special Use Areas

Sampling was conducted for the low-activity special use areas under the *Stipulation of the Parties Clarifying Partial Consent Decree between USEPA, Solutia Inc., and Pharmacia Corporation* (Stipulation; USEPA 2006), and the results are reported in the Completion Report (Golder 2015). Soil sampling results for the low-activity portions of the special use properties are presented on Figures 1-1a through 1-1l of this Interim PDI Data Summary, and low-activity use areas targeted for remediation are identified on these figures where applicable. The polychlorinated biphenyl (PCB) results shown on these figures are from the OU-1/OU-2 RI and reflect multiple sampling efforts. The sample results reflect both grab and composites samples. The PCB results for the grab

samples are shown on the figures as colored circles that reflect the specific locations where the samples were collected. The PCB results for the composite samples are shown as colored squares. The location of each square reflects the approximate geographic center of where the five individual samples (or aliquots) were collected that comprise the composite sample. The figures also include green boundaries (linework) that represent the overall low-activity special use area for a given property and interior red boundaries that reflect the subareas where composite samples were collected. The difference between grab and composite samples is important. Composite sample PCB results rather than grab sample results were used to determine whether soil removal was required. It was USEPA's decision to use composite sample results rather than grab sample results for the residential removal program, including removal actions taken for the high-activity special use areas (Golder 2015). While the potential for differences between the composite and grab sample results is limited, the composite sample results were selected for soil removal decisions because they were more representative of exposure over the broader portions of the properties.

The data collected during the PDI for the low-activity special use areas will inform the basis of the design for OU-1/OU-2 RD. As detailed below, this information will include those low-activity special use areas identified in the OU-1/OU-2 ROD that will require a removal based on current land use and suitability for removal (not overgrown). For those low-activity special use areas where surface soils are being removed, the PCB results for the subsurface soils collected as part of the PDI will guide the depth of removal below ground surface.

Current land use was documented for all low-activity special use areas identified in the OU-1/OU-2 ROD. Land use conditions at the low-activity special use areas were reviewed to confirm they are consistent with the OU-1/OU-2 ROD's definition of a low-activity special use area. For example, if a low-activity area has transitioned to industrial use, relevant information (e.g., ownership, zoning, the removal or addition of built-structures) was gathered to document this change in land use. If there have been no changes to a property, the plan is to conduct the sampling as described in Section 3.1.2.1 of the PDIWP. Any changes in land use observed may result in modifying the sampling program. Consistent with the OU-1/OU-2 ROD, subsurface soil sampling will be conducted only for low-activity special use areas that are suitable for removal (i.e., overgrown and paved areas will not be sampled).

PCB concentration data for subsurface soil in the low-activity special use areas are needed to compare with the remedial goal of 97 milligrams per kilogram (mg/kg). While these data could be collected as confirmation samples during remedial action construction, most of these low-activity areas are easy to access, and the data can be efficiently collected during the PDI and used to scope the required excavation depths as part of the OU-1/OU-2 RD. Land use conditions at the low-activity special use areas were reviewed during this first phase of the PDI to confirm they are consistent with the OU-1/OU-2 ROD's definition of a low-activity special use area and are suitable for removal (e.g., are not heavily vegetated or wooded).

1.1.2 Interim Measure Areas

Each OU-1/OU-2 IM (Figure 1-2) was evaluated for effectiveness in the OU-1/OU-2 Feasibility Study (Ramboll Environ 2016) and the OU-1/OU-2 ROD (USEPA 2017). Most of the IMs were deemed effective, with small areas identified where additional remedial efforts are needed to ensure long-term effectiveness. Six IM areas will be investigated during later portions of the PDI

as described in the PDIWP. The Hall Street IM area investigation was completed ahead of the other IM area investigations because it only required physical inspections of the cover integrity as part of the PDI.

Results from a regular inspection of the Hall Street IM indicated that portions of the surface soil cover were disturbed. The soil disturbance occurred when a utility construction contractor staged construction equipment on the surface of the IM. While the overall IM appears intact, P/S obtained access from the landowner (Oxford Water and Sewer Board) to inspect the IM as part of the PDI. This inspection evaluated whether portions of the Hall Street IM soil cover need to be augmented to meet the IM design requirements that includes a minimum 12-inch layer of cover soil.

1.2 Organization of this Report

This Interim PDI Data Summary includes five sections and two appendices:

- Section 1 is the introduction.
- Sections 2 and 3 describe the field work completed, results of the initial investigation, and recommendations for future PDI work.
- Section 4 describes the conclusions for the PDI work completed to date.
- Section 5 includes the references for documents cited in this Interim PDI Data Summary.

This Interim PDI Data Summary meets the interim reporting requirements identified in Section 8.2 of the PDIWP relative to the low-activity special use areas. This information relating to the Hall Street IM area inspection is included in this report for informational purposes. The information included in this document will be summarized in a PDI Evaluation Report to be submitted within 60 calendar days of completing all data validation.

2. INSPECTIONS OF LOW-ACTIVITY SPECIAL USE AREAS

Land use conditions at the low-activity special use areas identified in the OU-1/OU-2 ROD were visually inspected to assess whether current land use conditions are consistent with those that identified the property as being low-activity special in the OU-1/OU-2 ROD. Those areas where land use conditions were consistent were also assessed to ensure that the areas are suitable for removal. The consistency evaluation included a visual inspection of the property to assess current land use and a review of relevant information such as ownership, zoning, the removal or addition of built structures, etc. If there have been no changes in land use of the properties, the plan is to conduct the subsurface soil sampling as described in Section 3.1.2.1 of the PDIWP (P/S 2022) provided that the composite PCB results for the low-activity special use area were greater than or equal to 1 mg/kg. Consistent with the OU-1/OU-2 ROD, subsurface soil sampling will be conducted only for low-activity special use areas that are suitable for removal. Overgrown and paved areas will not be sampled.

2.1 Predesign Investigation Activities Completed

Visual reconnaissance of the 19 low-activity special use areas identified in the OU-1/OU-2 ROD was completed between April 17 and April 19, 2023, to document land use conditions. The results of the land use inspections include three potential outcomes: low-activity special use, high-activity special use, or nonresidential. The surveys were completed in a manner such that the results could apply in part or in whole to the properties and identify areas that are not suitable for removal. Summaries of the inspections and their current land use and suitability for removal are included in Section 2.3 below. The subsurface soil sampling, where necessary, will be scheduled and conducted after consultation with USEPA.

Photographs and notes (e.g., description of current property use, vegetative cover, presence of buildings/structures) for each area were collected using ArcGIS Survey123 installed on an Apple iPad (10th Generation). The photographs and notes documented for each low-activity special use area are included in Appendix 2-A.

2.2 Variances from the Planned Work

No variances from the PDIWP were made during inspections.

2.3 Investigation Results and Discussion

Current land use was documented for all low-activity special use areas, and the results are summarized below. Subsurface soil sampling as described in the PDIWP will be conducted only for areas that have been confirmed as suitable for removal. Proposed revisions to the PDI sampling plan based on changes in land use conditions are provided in Section 2.4.

2.3.1 Low-Activity Special Use Area Associated with PPIN 30182

The property listed as property identification number (PPIN) 30182 is owned by the Anniston Board of Education. A portion of the low-activity special use area that has historical surface soil PCB concentrations greater than or equal to 1 mg/kg is shown on Figure 1-1a. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on the PCB result from a

composite sample collected at location 30182-G1 (green square on Figure 1-1a). This area includes the maintained grass frontage of the Randolph Park Elementary School (Exhibit 2-1).



Exhibit 2-1. Low-activity special use area in PPIN 30182

Current land use conditions at this area are consistent with low-activity special use property conditions identified in the OU-1/OU-2 ROD, and the area is suitable for soil removal. Soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.2 Low-Activity Special Use Area Associated with PPIN 21033

The property listed as PPIN 21033 is owned by the Anniston Board of Education. Portions of the low-activity special use area that have historical surface soil PCB concentrations greater than or equal to 1 mg/kg are shown on Figure 1-1b. Historical surface soil PCB concentrations greater than or equal to 1 mg/kg are presented based on results of the composite samples collected at locations 21033-G11, 21033-G24 through 21033-G27, 21033-G29, and 21033-G30 (green squares on Figure 1-1b). These areas are part of an athletic facility that includes a running track and a baseball field. A support building for the athletic facility is located within the boundaries of area 21033-G11 (Exhibit 2-2). The combined areas of low-activity special use areas 21033-24 through 21033-G27, 21033-G29, and 21033-G30 comprise the outfield of the baseball field (Exhibit 2-3).



Exhibit 2-2. Low-activity special use area in PPIN 20133 (associated with historical sample location 21033-G11)



Exhibit 2-3. Low-activity special use areas in PPIN 20133 (associated with historical sample locations 21033-G24 through 21033-G27, 21033-G29, and 21033-G30)

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD, and the areas are suitable for soil removal. Soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.3 Low-Activity Special Use Area Associated with PPINs 19406, 19407, 19408

The property inclusive of PPINs 19406, 19407, and 19408 is owned by the Friendship Baptist Church of Anniston. The property includes four individual areas within the overall low-activity special use area that were identified in the OU-1/OU-2 ROD (Figure 1-1c). The areas are the maintained grass frontage and parking lot planters associated with the church property (Exhibit 2-4).



Exhibit 2-4. Low-activity special use areas in PPINs 19406, 19407, and 19408

This property was initially included in the OU-1/OU-2 ROD based on the results of a single grab sample collected under the nonresidential soil sampling program at the southern boundary of the area (CA-08-1004-01; green circle on Figure 1-1c). The controlling PCB result for the area was from a five-point composite sample collected from five individual samples collected across a broader area with a PCB concentration less than 1 mg/kg (CA-8-SU-890-D; blue square on Figure 1-1c).

Because the PCB result for the five-point composite sample (CA-8-SU-890-D) was less than 1 mg/kg, PDI sampling and remediation of this low-activity special use area on PPINs 19406, 19407, and 19408 are not necessary.

2.3.4 Low-Activity Special Use Area Associated with PPIN 20579

The property listed as PPIN 20579 is owned by the Anniston Board of Education. Two individual areas within the overall low-activity special use area that have historical surface soil PCB concentrations greater than or equal to 1 mg/kg are shown on Figure 1-1d. The historical surface soil PCB concentration greater than or equal to 1 mg/kg are based on the PCB result of the composite sample collected at location 20579-G10 (green square on Figure 1-1d). The two areas are maintained and grass covered and border a parking lot of the Anniston Performing Arts Center to the north and south (Exhibit 2-5). The low-activity special use area also includes several large trees, a drainage ditch, and utilities (e.g., water and gas mains, streetlights) (Exhibit 2-6).



Exhibit 2-5. Low-activity special use area in PPIN 20579



Exhibit 2-6. Observations (drainage ditch [left photograph], gas utility [right photograph]) within low-activity special use area in PPIN 20579

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD, and the two areas are suitable for soil removal. Soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.5 Low-Activity Special Use Area Associated with PPIN 20717

The property listed as PPIN 20717 is owned by the Anniston Board of Education. This low-activity special use area identified in the OU-1/OU-2 ROD has historical surface soil PCB concentrations greater than or equal to 1 mg/kg and is shown on Figure 1-1d. The historical surface soil PCB concentration greater than or equal to 1 mg/kg are based on the PCB result of the composite sample collected at location 20717-G48 (green square on Figure 1-1d). This low-activity special use area is heavily wooded (Exhibit 2-7).



Exhibit 2-7. Low-activity special use area in PPIN 20717

Soil in this area is unsuitable for removal because of the overgrown vegetation; therefore, PDI soil sampling and soil removal will not be included in the OU-1/OU-2 RD for this area. The potential for future intrusive activities to disturb soil will be managed through Alabama 811 as part of the long-term operation and maintenance program for this OU.

2.3.6 Low-Activity Special Use Area Associated with PPIN 30865

The property listed as PPIN 30865 is owned by Charlene and Robert Bass and is the Victory Temple of God in Christ Highway of Holiness Ministries. This area is an open lot with a maintained grass cover that is bordered to the north and west by West 12th Street (Exhibit 2-8). This property was initially included in the OU-1/OU-2 ROD based on one grab sample (FC4-0029-E; green circle on Figure 1-1e) that was greater than or equal to 1 mg/kg. The controlling PCB result for the area was from a five-point composite sample collected from five individual samples collected across a broader area with a PCB concentration less than 1 mg/kg (CA-02-SU-1467-LA-C; blue square on Figure 1-1e).



Exhibit 2-8. Low-activity special use area at western end of PPIN 30865

Based on the results of the five-point composite sample, PDI sampling and remediation of this low-activity special use area on PPIN 30865 are not necessary.

2.3.7 Low-Activity Special Use Area Associated with PPIN 32123

The listed landowner for this grass-covered parking lot (PPIN 32123) and the associated adjacent church (St. Peters Ministry) is Louretta Hampton. The low-activity special use area associated with PPIN 32123 was identified in the OU-1/OU-2 ROD. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on the PCB result of the composite sample collected at location CA-3-SU-1700-LA-B (green square on Figure 1-1e). This area includes a maintained grass lot with no buildings or improvements (Exhibit 2-9).



Exhibit 2-9. Low-activity special use area in PPIN 32123

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. The area is suitable for soil removal, and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.8 Low-Activity Special Use Area Associated with PPIN 19313

The property listed as PPIN 19313 is owned by the Anniston City Board of Education. This area includes the outfield of a recreational baseball field (Exhibit 2-10). This low-activity subarea was initially included in the OU-1/OU-2 ROD based on one grab sample (PA-118-A; green circle on Figure 1-1f) that had a PCB concentration greater than or equal to 1 mg/kg. The controlling PCB result for the area was from a five-point composite sample collected from five individual samples collected across a broader area with a PCB concentration less than 1 mg/kg (PD2-014; blue square on Figure 1-1f).



Exhibit 2-10. Low-activity special use area in PPIN 19313

Based on the results of the five-point composite sample, PDI sampling and remediation of this low-activity special use area on PPIN 19313 are not necessary.

2.3.9 Low-Activity Special Use Area Associated with PPIN 18084

The property listed as PPIN 18084 is owned by the Episcopal Protestant Church. The four low-activity special use areas identified in the OU-1/OU-2 ROD that had historical surface soil PCB concentrations greater than or equal to 1 mg/kg are shown on Figure 1-1g. Historical surface soil PCB concentrations greater than or equal to 1 mg/kg are based on results of the composite samples collected at locations 18084-G1 through 18084-G3, and 18084-G5 (green squares on Figure 1-1g). These four areas are maintained and include landscaped grass cover (Exhibit 2-11).



Exhibit 2-11. Low-activity special use areas in PPIN 18084

Current land use conditions at this area are consistent with low-activity special use area conditions in the OU-1/OU-2 ROD. The area is suitable for soil removal, and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.10 Low-Activity Special Use Area Associated with PPIN 17523

The property listed as PPIN 17523 is owned by the Health Care Authority of the City of Anniston. These areas include maintained and landscaped grass cover along East 8th Street and gravel cover (Exhibit 2-12). The overall low-activity special use areas identified in the OU-1/OU-1 ROD included five individual areas with historical surface soil PCB concentrations greater than or equal to 1 mg/kg as shown on Figure 1-1g. Historical surface soil PCB concentrations greater than or equal to 1 mg/kg are based on results of composite samples collected at locations 17523-G1, and 17523-G3 through 17523-G6 on Figure 1-1g (green squared on Figure 1-1g).



Exhibit 2-12. Low-activity special use areas in PPIN 17523

Land use conditions at these areas have changed at this property since it was identified as a low-activity special use area in the OU-1/OU-2 ROD. Six tennis courts were previously located adjacent to the defined low-activity special use areas, but these tennis courts have been removed from the Tyler Park complex. What was once a tennis court complex is now a gravel parking lot for hospital employees. The five low-activity areas located along East 8th Street (Figure 1-1g) no longer meet the definition of a low-activity special use property because the park and associated tennis courts were removed. Based on this change in land use, PDI sampling and remediation of the previously identified low-activity special use areas on PPIN 17523 are not necessary. The potential for future intrusive activities to disturb soil in this area will be managed through Alabama 811 as part of the long-term operation and maintenance program for this OU.

2.3.11 Low-Activity Special Use Area Associated with PPIN 18536

The property listed as PPIN 18536 is owned by the City of Anniston Department of Parks and Recreation and includes maintained park facilities (Exhibit 2-13). There are four individual subareas within the overall low-activity special use area identified in the OU-1/OU-2 ROD with historical surface soil PCB concentrations greater than or equal to 1 mg/kg as shown on Figure 1-1h.

Two individual subareas were initially included in the OU-1/OU-2 ROD based on grab samples (CA-06-2205-11 and CA-06-2205-12; green circles on Figure 1-1h) that were greater than or equal to 1 mg/kg. The controlling PCB results for these subareas were from two five-point composite samples each collected from five individual samples collected across a broader area with a PCB concentration less than 1 mg/kg (CA-6-SU-2205-P and CA-6-SU-2205-U; blue squares on Figure 1-1h). Based on the results of the five-point composite sample described above, PDI sampling and remediation of the two subareas associated with composite samples CA-6-SU-2205-P and CA-6-SU-2205-U within PPIN 18536 are not necessary.



Exhibit 2-13. Low-activity special use areas in PPIN 18536

The remaining two subareas within the overall low-activity special use area are based on composite samples collected from locations, CA-6-SU-2205-L and CA-6-SU-2205-D (green squares on Figure 1-1h), with historical surface soil PCB concentrations greater than or equal to 1 mg/kg. Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. These subareas are suitable for soil removal and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.12 Low-Activity Special Use Area Associated with PPIN 18671

The property listed as PPIN 18671 is owned by the City of Anniston Department of Parks and Recreation and includes maintained park facilities (Exhibit 2-14). The low-activity special use area identified in the OU-1/OU-2 ROD with a historical surface soil PCB concentration greater than or equal to 1 mg/kg is shown on Figure 1-1h. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on the PCB result of the composite sample collected at location CA-6-SU-2498-D (green square on Figure 1-1h).



Exhibit 2-14. Low-activity special use areas in PPIN 18671

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. The area is suitable for soil removal, and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.13 Low-Activity Special Use Area Associated with PPIN 32375

The property listed as PPIN 32375 is owned by the American Legion and includes vegetated areas along a slope (Exhibit 2-15). The portion of this low-activity special use area identified in the OU-1/OU-2 ROD with historical surface soil PCB concentrations greater than or equal to 1 mg/kg is identified on Figure 1-1h. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on result of the PCB result of the grab sample collected at location CA-6-SU-2113-02 (green circle on Figure 1-1h).



Exhibit 2-15. Low-activity special use areas in PPIN 32375

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. The area is suitable for soil removal, and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.14 Low-Activity Special Use Area Associated with PPIN 32487

The property listed as PPIN 32487 is owned by the International Church of Foursquare Gospel. This area is an open maintained grass area behind buildings owned and operated by the International Church of Foursquare Gospel (Exhibit 2-16). The portion of the low-activity special use area identified in the OU-1/OU-2 ROD with historical surface soil PCB concentrations greater than or equal to 1 mg/kg is shown on Figure 1-1i. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on the PCB result of the composite sample collected at location CA-1-SU-3503-LA-D (green square on Figure 1-1i).



Exhibit 2-16. Low-activity special use area in PPIN 32487

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. The area is suitable for soil removal and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.15 Low-Activity Special Use Area Associated with PPIN 32490

The property listed as PPIN 32490 is owned by the First Wesleyan Church of Anniston. This is an open area with maintained grass (Exhibit 2-17). The portion of the low-activity special use area identified in the OU-1/OU-2 ROD with historical surface soil PCB concentrations greater than or equal to 1 mg/kg is shown on Figure 1-1i. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on the PCB result of the composite sample collected at location CA-1-SU-3402-B (yellow square on Figure 1-1i).



Exhibit 2-17. Low-activity special use area in PPIN 32490

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. The area is suitable for soil removal, and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.16 Low-Activity Special Use Area Associated with PPIN 18311

The property listed as PPIN 18311 is owned by Alabama Power Corporation (APCO). The low-activity special use areas identified in the OU-1/OU-2 ROD with surface soil PCB concentrations greater than or equal to 1 mg/kg are shown as Figure 1-1j. Most of the soil with PCB concentrations greater than or equal to 1 mg/kg was removed and disposed of off-site as part of APCO's site development process to support its use as a transformer substation (Exhibit 2-18). The excavation and off-site disposal of PCB-containing soil are detailed in the *Alabama Power West 4th Street Customer Substation Construction Completion Report* (P/S 2021a). There are only two locations on the overall property where soil with PCB concentrations greater than or equal to 1 mg/kg remains (CA-14-SU-2189-09 and CA-14-SU-3189-12). These two locations are behind the APCO West 4th Street substation in the northern portion of the property that is heavily wooded. The PCB concentrations for both samples are less than 10 mg/kg.



Exhibit 2-18. Low-activity special use areas in PPIN 18311

The low-activity special use areas associated with PPIN 18311 no longer require remediation because APCO built a transformer substation facility on this property since the OU-1/OU-2 ROD was issued. The construction-related work conducted by APCO for this property included the excavation and off-site disposal of PCB-containing soil as described in a construction support work plan (P/S 2021b) and the associated construction completion report (P/S 2021a). Additional information regarding transition of the property from a low-activity special use property to a nonresidential industrial use property was provided by P/S in response (P/S 2021c) to comments from USEPA on the construction support work plan (USEPA 2021b).

Based on the change in land use described above, PDI sampling and remediation of the previously identified low-activity special use area on PPIN 18311 are not necessary. The potential for future intrusive activities to disturb soil in the northern portion of this property will be managed through Alabama 811 as part of the long-term operation and maintenance program for this OU.

2.3.17 Low-Activity Special Use Area Associated with PPIN 18591

The property listed as PPIN 18591 is owned by the City of Anniston and includes a vegetated slope along the eastern side of Palmetto Avenue (Exhibit 2-19). While trees with overstory canopy and

some low-lying brush were observed in these areas, the low-activity special use areas are not considered overgrown. The portions of this special use area identified in the OU-1/OU-2 ROD with historical surface soil PCB concentrations greater than or equal to 1 mg/kg are shown on Figure 1-1j. Historical surface soil PCB concentrations greater than or equal to 1 mg/kg are based on the results of the composite samples collected from locations 18591-G3 through 18591-G5 (green squares on Figure 1-1j).



Exhibit 2-19. Low-activity special use areas in PPIN 18591

While this low-activity special use area was previously heavily overgrown and considered to be unsuitable for removal when the property was identified in the OU-1/OU-2 ROD, the overgrown vegetation has been removed and the area is now suitable for soil removal. Based on this change in conditions, the subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP, and the area will be identified for soil removal in the OU-1/OU-2 RD.

2.3.18 Low-Activity Special Use Area Associated with PPIN 32612

The property listed as PPIN 32612 is owned by the New Covenant Church of God. This area includes the maintained grass frontage of the property (Exhibit 2-20). The low-activity special use area identified in the OU-1/OU-2 ROD with historical surface soil PCB concentrations greater than or equal to 1 mg/kg is shown on Figure 1-1k. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on PCB result of the composite sample collected at location 4005-LA-A (green square on Figure 1-1k).



Exhibit 2-20. Low-activity special use area in PPIN 32612

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. The area is suitable for soil removal, and subsurface soil sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

2.3.19 Low-Activity Special Use Area Associated with PPIN 16384

The property listed as PPIN 16384 is owned by the City of Oxford. This area is an open maintained grass area bisected by a concrete pathway (Exhibit 2-21). The low-activity special use area portion of this property identified in the OU-1/OU-2 ROD with historical surface soil PCB concentration greater than or equal to 1 mg/kg is shown on Figure 1-1l. The historical surface soil PCB concentration greater than or equal to 1 mg/kg is based on the PCB result of the composite sample collected at location 16384-BY (green square on Figure 1-1l).



Exhibit 2-21. Low-activity special use area in PPIN 16384

Current land use conditions at this area are consistent with low-activity special use area conditions identified in the OU-1/OU-2 ROD. The area is suitable for soil removal and subsurface soil

sampling will be completed during the next phase of the PDI consistent with the procedures outlined in the PDIWP.

3. INSPECTION OF HALL STREET INTERIM MEASURE AREA

Results from a recent inspection of the Hall Street IM area indicate that portions of the surface soil cover were disturbed. The soil disturbance occurred when a utility construction contractor staged construction equipment on the surface of the Hall Street IM area. While the overall IM appears intact, P/S in coordination with the landowner (Oxford Water and Sewer Board) inspected the IM as part of the PDI. The inspection was completed to evaluate whether portions of the Hall Street IM cover soil need to be augmented to meet the IM design requirements (i.e., a geotextile marker layer, 12-inch soil cover layer, and vegetative cover). The OU-1/OU-2 RD will evaluate whether adding physical controls to limit future unauthorized vehicle access to the Hall Street IM area is necessary.

3.1 Predesign Investigation Activities Completed

Due to the intrusive subsurface work (i.e., hand-augering) planned as part of the Hall Street IM area inspection, an Alabama 811 request was filed on April 13, 2023. Ticket 231031881 was generated for the Hall Street IM area. APCO (electric), Anniston Water Works & Sewer Board (water), AT&T, and Spire Alabama, Inc. (gas) indicated no conflict for the area requested on April 17, 2023. Anniston Water Works & Sewer Board (sewer) marked facilities located within or adjacent to the Hall Street IM Area.

3.1.1 April 2023 Inspection

On April 19, 2023, the conditions of the Hall Street IM area surface soil cover were inspected. The visual inspection component of the Hall Street IM area PDI included observation and photographs to document the most recent conditions of the surface soil cover.

In addition to collecting photographs and documenting observations, the field crew collected soil cores using a small-diameter hand-auger at 14 locations within the Hall Street IM area (Figure 3-1) to confirm the thickness of the cover soil. Hand-augering was terminated once the marker layer was observed or if the hand-auger had been advanced to a depth of 18 to 20 inches below ground surface. Following completion of a location, the location was backfilled with clean sand to ground surface. Soil cuttings were managed for off-site disposal at an appropriate facility.

Photographs and observations were collected and documented using ArcGIS Survey123 and are included in Appendix 3-A.

3.1.2 June 2023 Inspection

On June 1, 2023, a supplemental investigation of conditions of the Hall Street IM area surface soil cover was completed to further investigate the thickness of the cover soil and presence of a geotextile marker layer. As discussed in Section 3.3, the geotextile maker layer was observed at 9 of 14 locations at depths between 12 and 16 inches below ground surface (Figure 3-1). The geotextile marker layer was not encountered at 5 locations (P01 through P04, and P08) as indicated on Figure 3-1. There was a visible break in the strata (material type) at all locations indicating the presence of a fill throughout the area. For locations where the geotextile marker layer was

observed, the change in strata coincided with the depth below ground surface where the geotextile marker layer was encountered.

During the June 2023 supplemental inspection, the five locations where the geotextile marker layer was not encountered using the small diameter hand-auger were the starting locations. Larger hand tools (e.g., 3-inch hand auger, shovels, or equivalent) were advanced at the five locations (i.e., P01 through P04, and P08). Advancement of the hand tools was terminated once marker layer (confirmed at three locations) or a change in strata was observed or if the hand tools had been advanced to a depth of 36 inches below ground surface. No step-outs from the five supplemental investigation locations were needed to satisfy data quality objectives as observations of the geotextile marker layer or visible change in strata was encountered. Following completion of a location, the locations were backfilled with clean sand to ground surface. Soil cuttings were managed for off-site disposal at an appropriate facility.

Photographs and observations were collected and documented using ArcGIS and are included in Appendix 3-A.

3.2 Variances from the Planned Work

One variance from the PDIWP was made during the inspection of the Hall Street IM area. That variance was adding a supplemental inspection, which was completed on June 1, 2023, as described above. During the June 2023 work, the field crew used shovels as well as hand augers with 3-inch diameters to hand-clear to provide greater visibility of the geotextile marker layer or strata change from fill material to native material.

3.3 Investigation Results and Discussion

As discussed previously, during the April 2023 inspection, soil cores were collected from 14 locations within the Hall Street IM area (Figure 3-1). The marker layer was observed at 9 of the 14 locations at depths between 12 and 16 inches below ground surface. Hand-augering was terminated at the marker layer if observed. For locations where the marker layer was not observed, hand-augering was completed to depths between 16 and 20 inches below ground surface.

During the June 2023 inspection, the larger diameter hand-augers/shovels were used to evaluate the five locations at the Hall Street IM area where geotextile marker layer was not observed during the April 2023 inspection (i.e., P01 through P04, and P08 as shown on Figure 3-2). The June 2023 locations are labeled at P01B through P04B, and P08B and these locations were within 5 feet of the April 2023 locations. At locations P01B, P02B, and P04B, the marker layer was observed at depths between 14 to 17 inches below ground surface. Hand-augering was terminated at the marker layer when observed. For locations P03B and P08B, the marker layer was not observed, but a visible and consistent change in strata was encountered between 19 and 21 inches below ground surface.

As classified in the field, the soil cover above the marker layer was tan, generally well-graded gravelly sand with a very loose apparent density and no moisture. In locations where the marker layer was not observed, there was a noticeable change in soil characteristics to a brown, silty soil

with a very soft consistency and no moisture. The change in soil characteristics was observed between 14.5 to 16 inches below grade surface.

The objectives of the Hall Street IM area investigation, as described in the PDIWP, were achieved. The information and evaluations presented in this Interim PDI Data Summary will be presented in the PDI Data Summary and RD reports.

4. SUMMARY OF FINDINGS

The PDI successfully achieved the objectives of the OU-1/OU-2 PDIWP related to the inspections of the low-activity special use areas. These inspections and subsequent data evaluations confirmed that the PDI and remediation status for some of low-activity special use areas (7 of the 19 properties) had changed since the areas were identified in the OU-1/OU-2 ROD. The updated status for these low-activity special use areas will be incorporated into the OU-1/OU-2 RD, and a summary of these changes is provided below:

- Two of the properties no longer support low-activity special use. These two properties include a prior park area where the tennis courts were removed (PPIN 17523) and a property with that was previously owned by a local church and has been sold to APCO (PPIN 18311). The land use for this property has changed from low-activity special use to commercial as APCO has constructed a transformer substation on the property.

- Four of the properties with low-activity special use areas have PCB results for composite samples that are less than 1 mg/kg, and PDI sampling and remediation is not required for all or portions of the property. This outcome is based on the USEPA-approved approach for residential properties, including special use properties, where PCB results from composite samples rather than grab samples are used for removal decisions. This composite sample approach changed the removal status for three properties with low-activity special use areas, including one associated with several PPINs (19406, 19407, and 19408), a second property associated with PPIN 30865, and a third property associated with PPIN 19313. The fourth property associated with PPIN 18536 originally had four low-activity special use subareas; however, based on review of composite sample results for these subareas, two of the four do not require PDI sampling and remediation. The remining two subareas for PPIN 18536 will be sampled under the PDI program and identified for remediation in the OU-1/OU-2 RD.

- The overgrown vegetation on a property that was previously identified as unsuitable (PPIN 18591) was recently cleared by the landowner and the low-activity area is now included for PDI sampling and future remediation.

This Interim PDI Data Summary provides the data collected from inspections of the low-activity special use areas and PDI sampling will be conducted for 13 of the 19 properties identified in the OU-1/OU-2 ROD with low-activity special use areas. The PDI sampling results for these 13 low-activity special use properties will inform the basis of design as to the thickness of soil to be removed based on a comparison with the subsurface remedial goal of 97 mg/kg. One of the 19 properties has overgrown vegetation and its unsuitable for removal status will be tracked as part of the long-term operation and maintenance program.

The inspections conducted for the Hall Street IM soil confirmed that the cover is intact, and it does not need to be augmented to meet the IM design requirements. The potential need for regrading surface soil to accommodate drainage and/or the addition of deterrents to limit future unauthorized access to the property will be evaluated in the RD.

5. REFERENCES

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P/S. 2021b. *Construction Report Plan regarding the Alabama Power, West 4th Street Substation Remedial Design/Remedial Action Consent Decree for Portions of OU-1/OU-2*. Letter to Ms. Scully, the USEPA Remedial Project Manager for the Anniston PCB Site. July 27.

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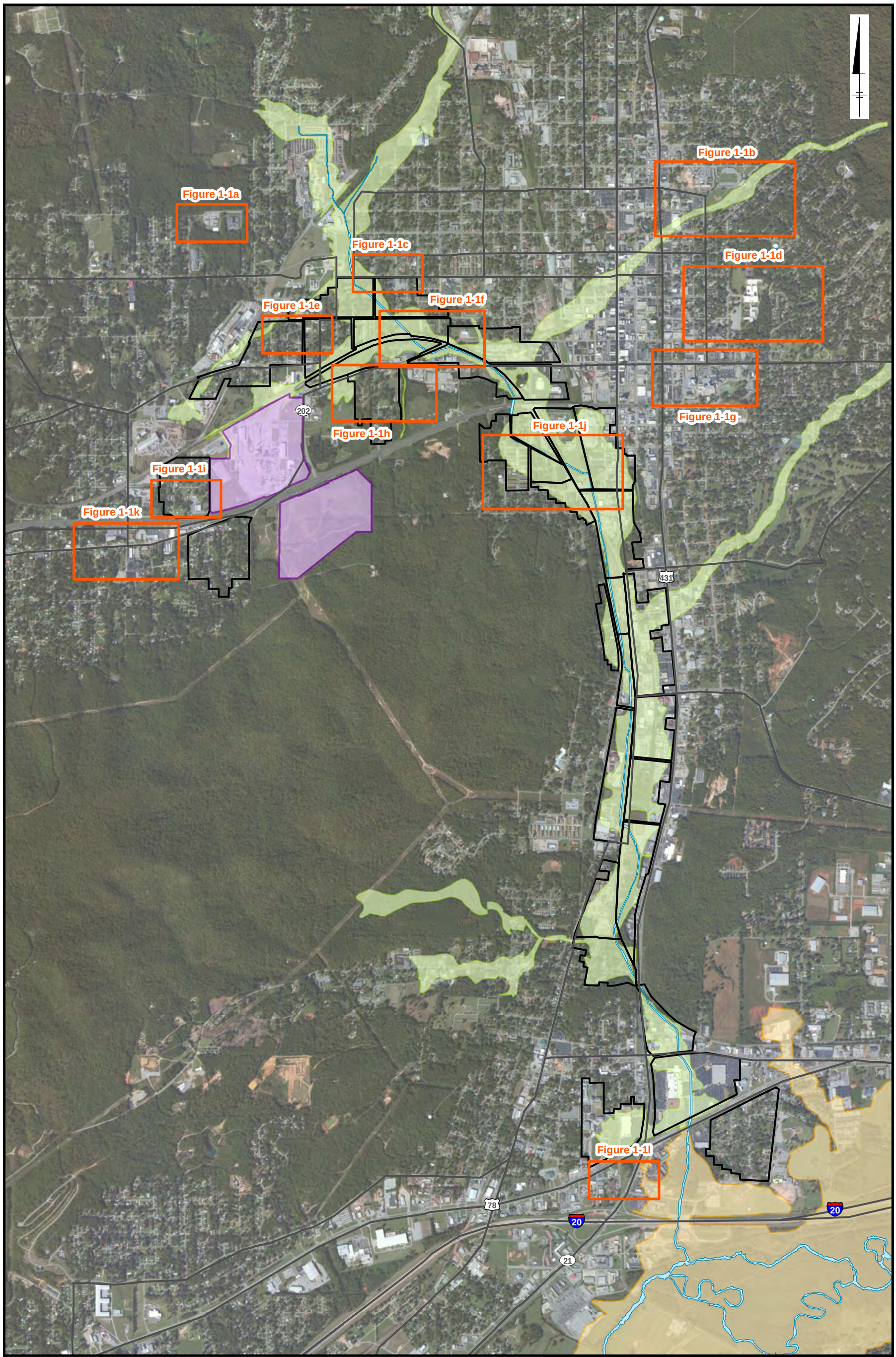
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USEPA. 2021b. *Comments on APCO West 4th Street Substation Infrastructure Support Project, OU-1/OU-3 Portion of the Anniston PCB Site*. Letter from Pamela J. Scully to Ms. E. Gayle Macolly. August 3.

FIGURES



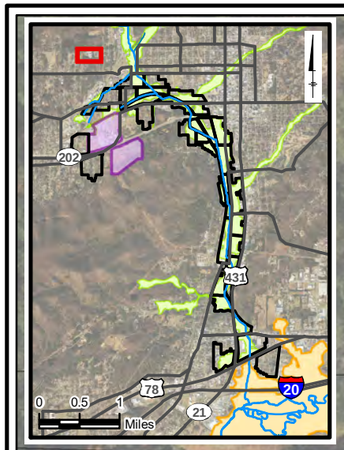
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation
Data Summary Report

Low-Activity Special Use Areas Site Map

Solutia

Figure
1-1

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
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W 17TH ST

CRANE AV

LEHMAN AV

30182-G1
30182-G2
30182-G3
PPIN: 30182
30182-G4
30182-G8
30182-G5
30182-G6
30182-G7

Legend

Historical Composite Soil
PCB Results (mg/kg)
- ND or < 1
- ≥ 1 to < 10
- All Parcels
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Low-Activity Subarea

0 100 200 Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation
Data Summary Report

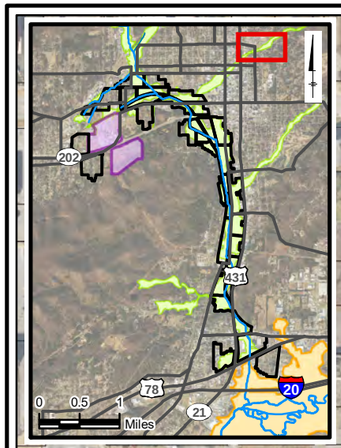
Low-Activity Special Use Areas

PPIN: 30182

Solutia

Figure 1-1a

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
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CHRISTINE AV
E 19TH ST
LEGRANDE AV
HARRIS AV
DAVIS AV
JEWELL ST
E 18TH ST
QUINTARD AV
LEIGHTON AV
ROCKY HOLLOW RD
THOMAS AV
JOHNSTON DR
MARGUERITE AV
E 17TH ST
CHRISTINE DR
ACKER PL
WOODSTOCK AV
HIGHLAND AV
ABBOTT AV
E 16TH ST

21033-G11
21033-G12
21033-G2
21033-G1
21033-G13
21033-G4
21033-G17
21033-G15
21033-G3
21033-G14
21033-G5
21033-G16
21033-G6
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21033-G19
21033-G7
21033-G8
21033-G26
21033-G9
PPIN: 21033
21033-G22
21033-G23
21033-G27
21033-G25
21033-G24
21033-G10
21033-G31
21033-G30
21033-G28
21033-G29

Legend

Historical Composite Surface Soil
PCB Results (mg/kg)

- ND or < 1
- ≥ 1 to < 10
- All Parcels
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Low-Activity Subarea

0 200 400
Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation
Data Summary Report

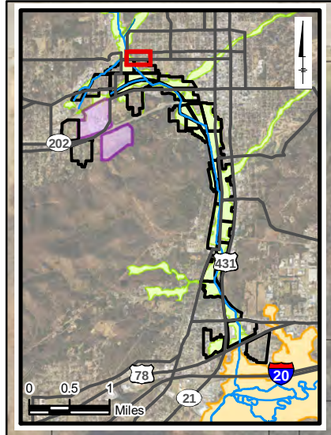
Low-Activity Special Use Areas

PPIN: 21033

Solutia

Figure
1-1b

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\AAnniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1b_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 6/30/2023 8:48:39 AM



W 15TH ST

W 14TH ST

W 13TH ST

MCDANIEL AV

BROWN AV

STEPHENS AV

WHITE AV

837-LA-C

837-HA-A

611-LA-B

8591-LA-B

PE-012-A

CA-04-0900-01

PE-012-B

PC-083-B

PC-083-A

CA-04-0901-02

EU4

PF-029-A

CA-04-1015-08

CA-04-1080-10

CA-8-SU-890-B

PPIN: 19408

EU8

PPIN: 19407

PPIN: Brown Ave

CA-8-SU-890-D

PPIN: 19406

CA-08-1004-01

Legend

- Historical Analytes other than PCB and Lead Analyzed

Historical Grab Surface Soil PCB Results (mg/kg)
- ND or < 1
- ≥ 1 to < 10

Historical Composite Surface Soil PCB Results (mg/kg)
- ND or < 1

- Snow Creek
- All Parcels
- Special Use Parcel Boundary
- Exposure Unit
- Low-Activity Subarea
- Low-Activity Subarea Not Considered for Removal following Data Review

0 100 200 Feet

Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. EU: exposure unit
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation
Data Summary Report

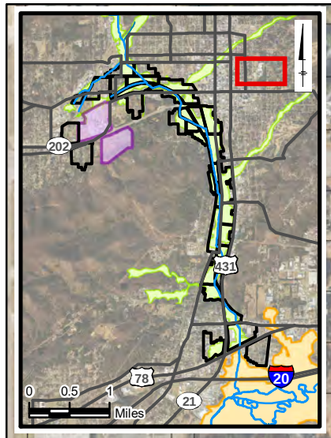
Low-Activity Special Use Areas

PPIN: 19406, 19407 & 19408

Solutia

Figure
1-1c

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\AAnniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1c_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 7/17/2023 3:36:31 AM



E 14TH ST

E 13TH ST

E 12TH ST

E 11TH ST

CHRISTINE AV

WOODSTOCK AV

HIGHLAND AV

MARGUERITE AV

MCCALL DR

GLENDALE RD

CHAMPAIGN AV

CRESCENT AV

CALHOUN PL

ALTAMONT RD

20579-G22 20579-G23 20579-G20 20579-G21 20579-G19 20579-G18 20579-G16 20579-G17 20579-G14 20579-G15 20579-G13 20579-G11 20579-G12 20579-G10 20579-G8 20579-G9 20579-G7 20579-G6 20579-G5 20579-G3 20579-G4 20579-G1 20579-G2

20717-G24 20717-G43 20717-G44 20717-G19 20717-G20 20717-G21 20717-G47 20717-G48 20717-G17 20717-G18 20717-G46 20717-G15 20717-G16 20717-G45 20717-G14 20717-G49 20717-G13 20717-G53 20717-G51 20717-G52 20717-G55 20717-G7 20717-G50 20717-G54 20717-G8 20717-G12 20717-G11 20717-G9 20717-G10 20717-G3 20717-G6 20717-G5 20717-G70 20717-G4 20717-G71 20717-G72 20717-G73 20717-G74 20717-G1

PPIN: 20717

PPIN: 20579

206605-G75-LA-B

Legend

Historical Composite Surface Soil PCB Results (mg/kg)

- ND or < 1
- ≥ 1 to < 10
- All Parcels
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Special Use: Low-Activity Area ≥1 mg/kg, Unsuitable for Removal
- Low-Activity Subarea

Inner and outer squares reflect surface and subsurface PCB concentrations, respectively.

0 200 400 Feet

Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. Subsurface concentrations depicted represent the average of data from the 0- to-4-foot interval.
4. mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation
Data Summary Report

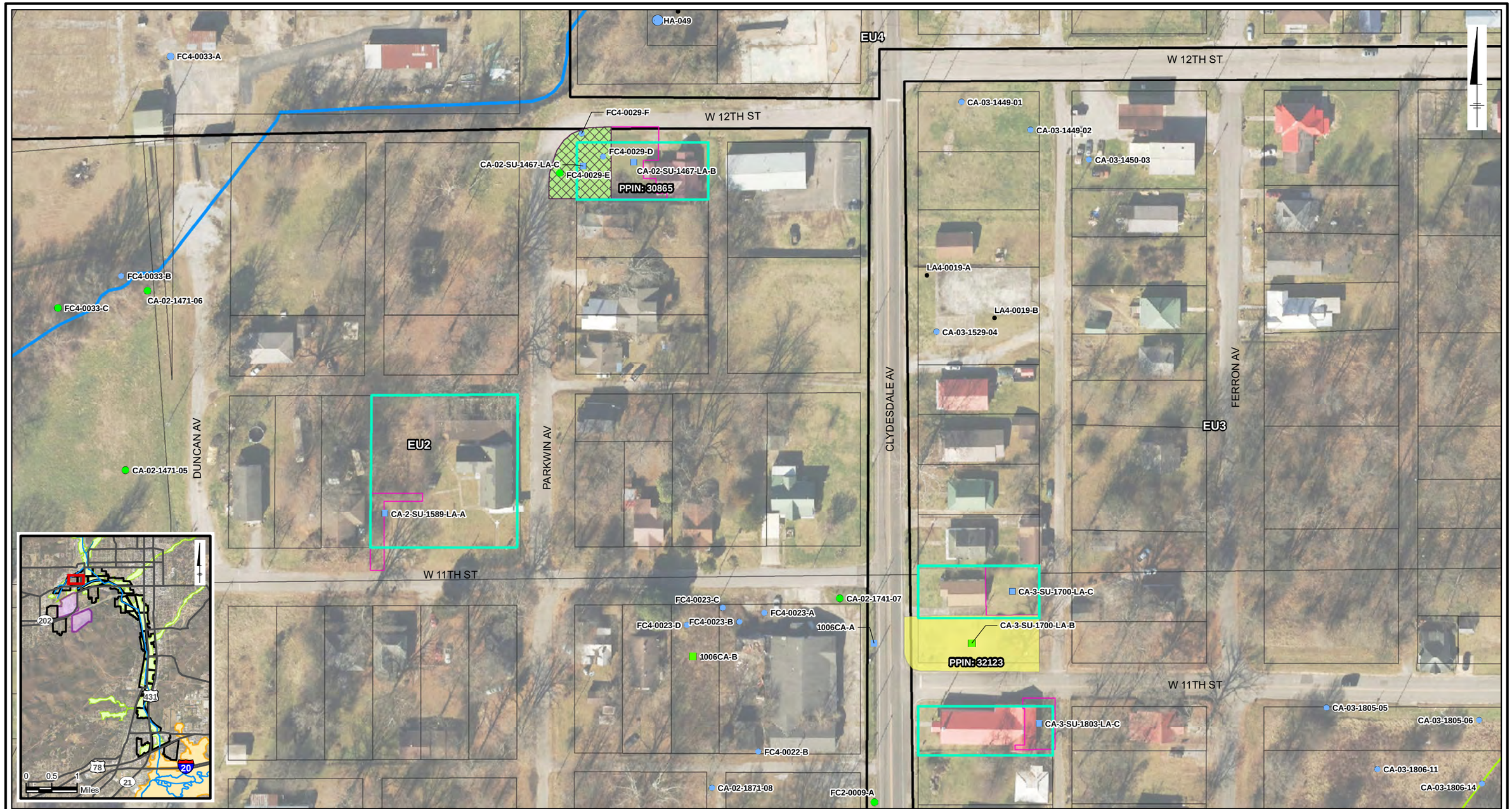
Low-Activity Special Use Areas

PPIN: 20579, 20717

Solutia

Figure
1-1d

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston N:\AAnniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1d_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 6/30/2023 8:52:04 AM



Legend

- Historical Analytes other than PCB and Lead Analyzed
- Historical Grab Surface Soil PCB Results (mg/kg)
  - ND or < 1
  - ≥ 1 to < 10
- Historical Composite Surface Soil PCB Results (mg/kg)
  - ND or < 1
  - ≥ 1 to < 10
- West 9th Street Creek
- All Parcels
- Exposure Unit
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Low-Activity Subarea
- Low-Activity Subarea Not Considered for Removal following Data Review

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 100 200 Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. Subsurface concentrations depicted represent the average of data from the 0- to-4-foot interval.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation Data Summary Report

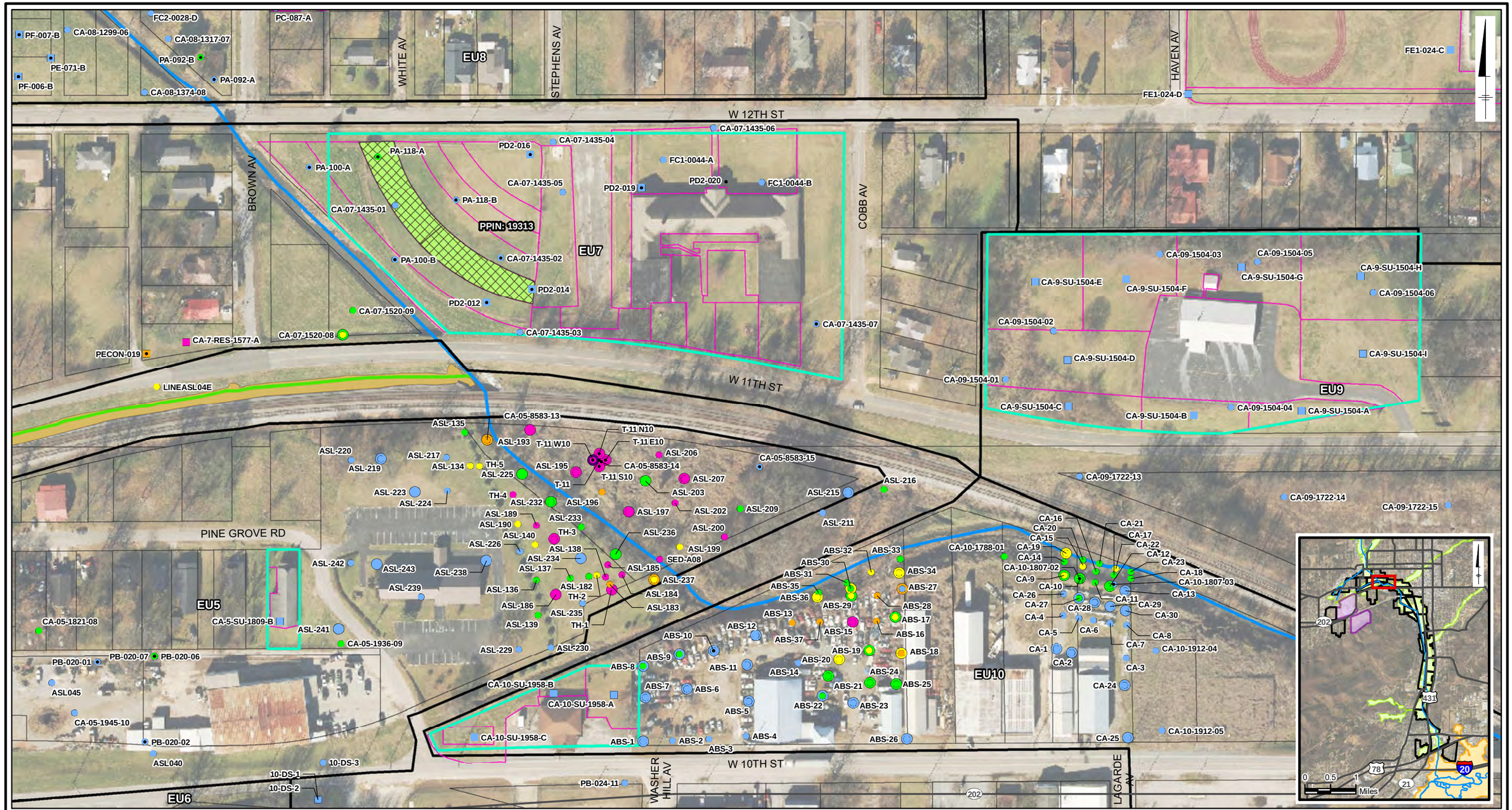
Low-Activity Special Use Areas

PPIN: 30865 & 32123

Solutia

Figure **1-1e**

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\AAnniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1e_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 7/17/2023 3:40:21 AM



Legend

- Historical Analytes other than PCB and Lead Analyzed

Historical Grab Surface Soil PCB Results (mg/kg)

- ND or < 1
- ≥ 1 to <10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500
- ≥ 500

Historical Composite Grab Surface Soil PCB Results (mg/kg)

- ND or < 1
- ≥ 25 to < 50
- ≥ 50 to < 500
- 11th Street Ditch
- Snow Creek
- All Parcels
- Exposure Unit

- Special Use Parcel Boundary
- Low-Activity Subarea
- Low-Activity Subarea Not Considered for Removal following Data Review

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 150 300 Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. Subsurface concentrations depicted represent the average of data from the 0- to-4-foot interval.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation Data Summary Report

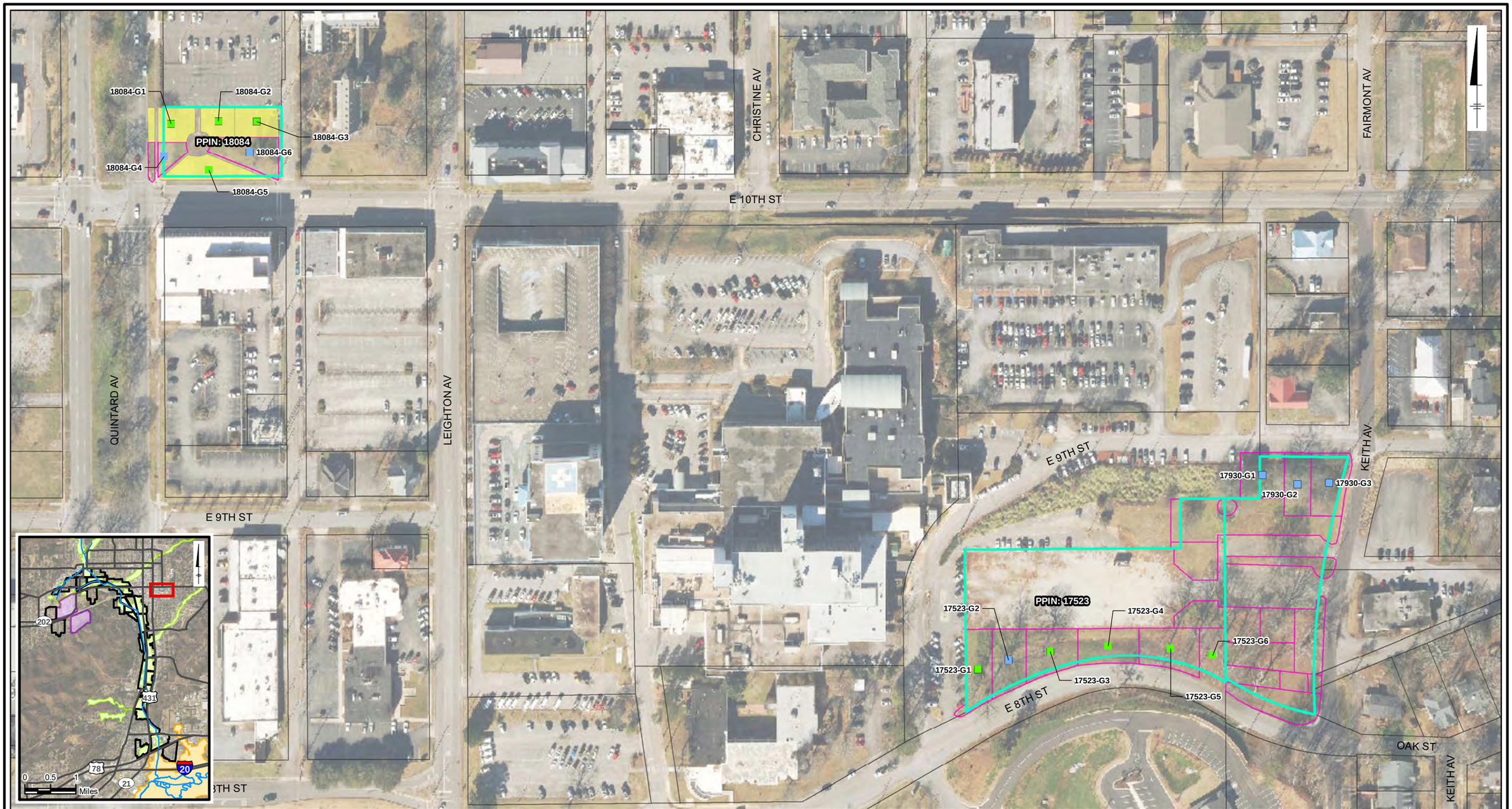
Low-Activity Special Use Areas

PPIN: 18700, 18713, 19122 & 19313

Solutia

Figure
1-1f

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\Anniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1f_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 7/17/2023 3:44:18 AM



Legend

Historical Composite Surface Soil
PCB Results (mg/kg)

- ND or < 1
- ≥ 1 to < 10
- All Parcels
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Low-Activity Subarea

0 150 300 Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation
Data Summary Report

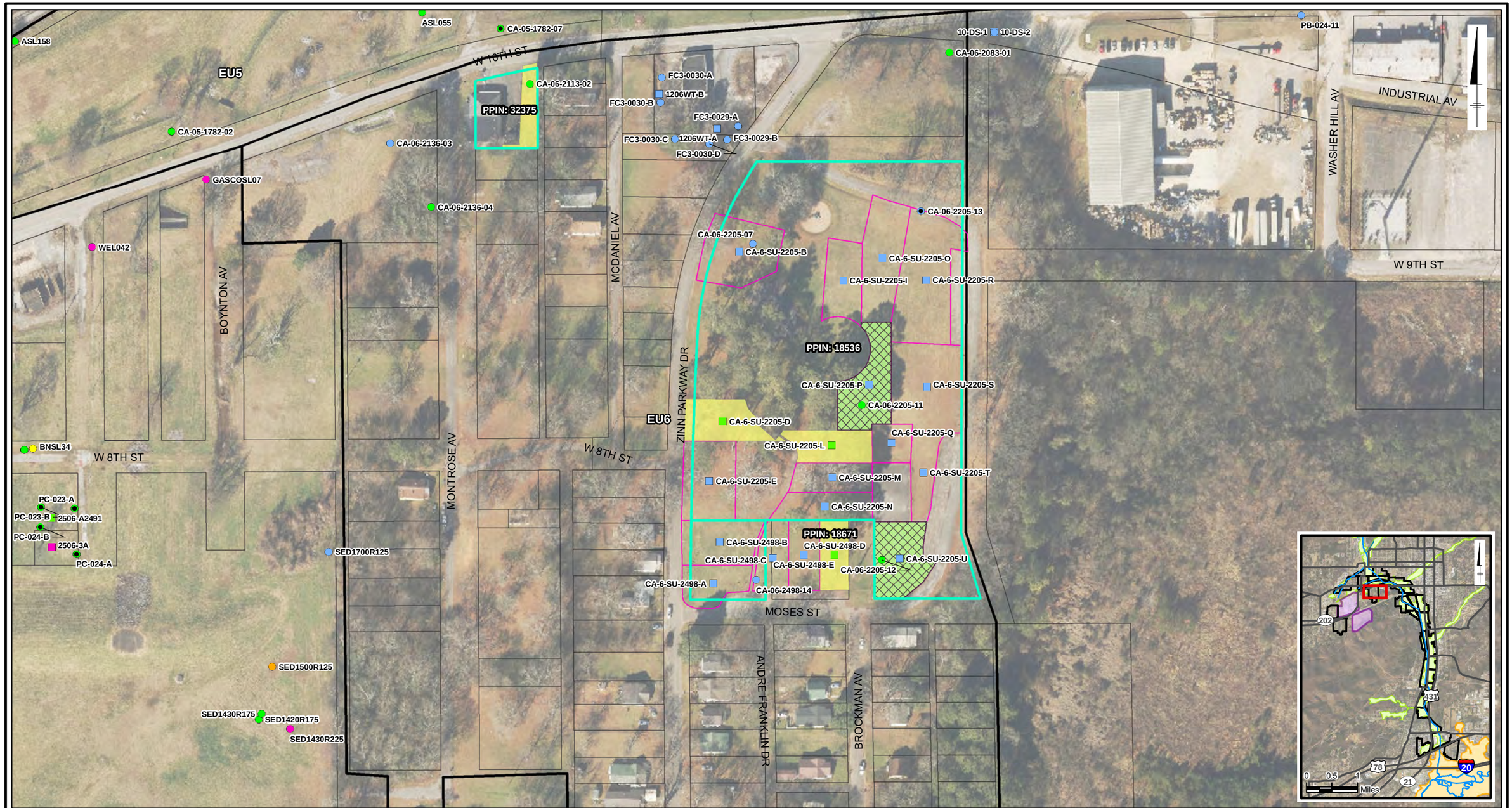
Low-Activity Special Use Areas

PPIN: 17523 & 18084

Solutia

Figure
1-1g

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
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Legend

- Historical Analytes other than PCB and Lead Analyzed
- Historical Grab Surface Soil PCB Results (mg/kg)
  - ND or < 1
  - ≥ 1 to < 10
  - ≥ 10 to < 25
  - ≥ 25 to < 50
  - ≥ 50 to < 500
- All Parcels
- Historical Composite Surface Soil PCB Results (mg/kg)
  - ND or < 1
  - ≥ 1 to < 10
  - ≥ 50 to < 500
- Exposure Unit
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Low-Activity Subarea
- Low-Activity Subarea Not Considered for Removal following Data Review

0 150 300 Feet

Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. EU: exposure unit
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama

OU-1/OU-2 Interim Predesign Investigation Data Summary Report

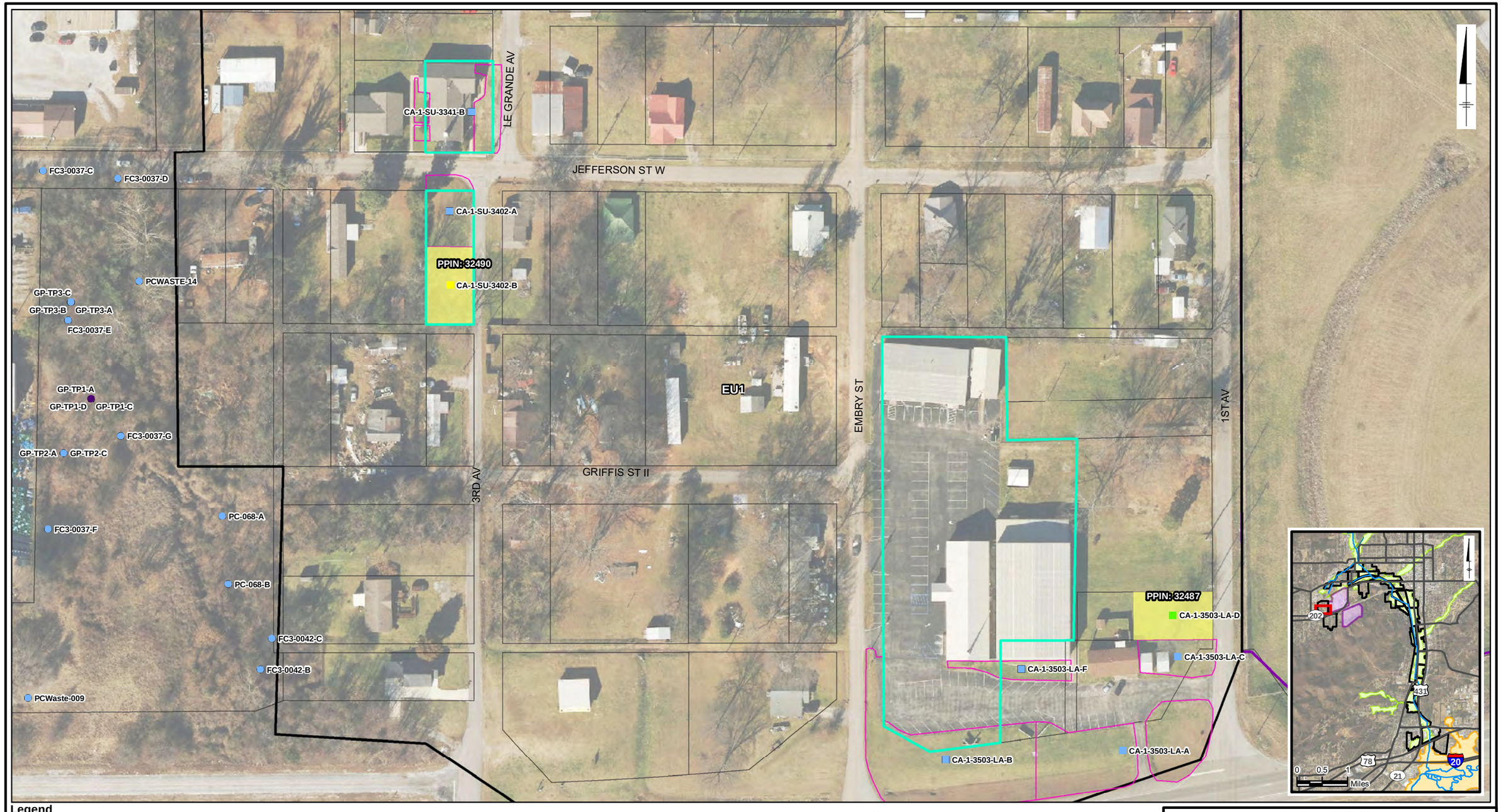
Low-Activity Special Use Areas

PPIN: 18536, 32375 & 18671

Solutia

Figure **1-1h**

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\AAnniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1h_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 7/17/2023 3:48:37 AM



Legend

Historical Grab Surface Soil PCB Results (mg/kg)
- ND or < 1
- ≥ 500

Historical Composite Surface Soil PCB Results (mg/kg)
- ND or < 1
- ≥ 1 to < 10
- ≥ 10 to < 25

- All Parcels
- Exposure Unit
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Low-Activity Subarea

0 100 200 Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. EU: exposure unit
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation Data Summary Report

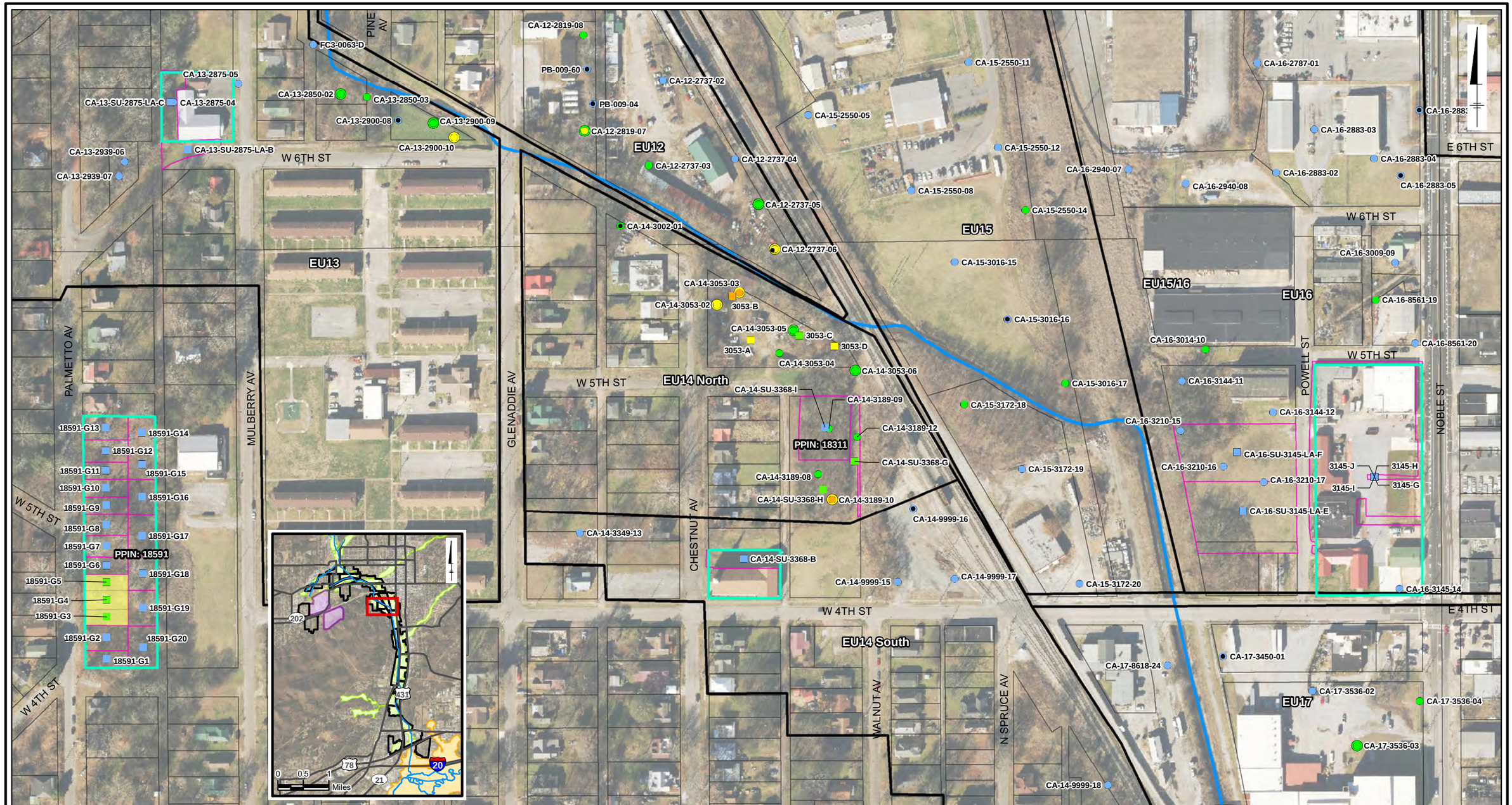
Low-Activity Special Use Areas

PPIN: 32490 & 32487

Solutia

Figure 1-1i

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston N:\AAnniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1i_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 6/30/2023 9:08:45 AM



Legend

- Historical Analytes other than PCB and Lead Analyzed
- Historical Grab Surface Soil PCB Results (mg/kg)
  - ND or < 1
  - ≥ 1 to < 10
  - ≥ 10 to < 25
  - ≥ 25 to < 50
- Historical Composite Surface Soil PCB Results (mg/kg)
  - ND or < 1
  - ≥ 1 to < 10
  - ≥ 10 to < 25
  - ≥ 25 to < 50
- Snow Creek
- All Parcels
- Exposure Unit
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥1 mg/kg
- Low-Activity Subarea
- Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 200 400 Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. Subsurface concentrations depicted represent the average of data from the 0- to-4-foot interval.
4. EU: exposure unit
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation Data Summary Report

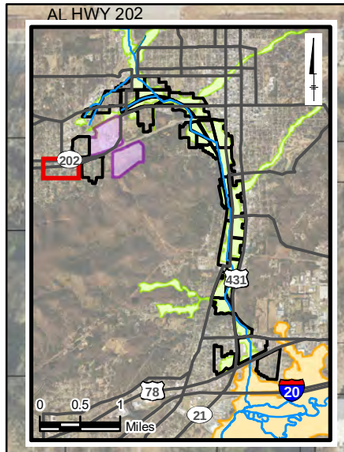
Low-Activity Special Use Areas

PPIN: 18311 &18591

Solutia

Figure
1-1j

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
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Legend

Historical Grab Surface Soil PCB Results (mg/kg)
- ND or < 1

Historical Composite Surface Soil PCB Results (mg/kg)
- ND or < 1
- ≥ 1 to < 10

All Parcels

Special Use Parcel Boundary

Special Use: Low-Activity Area ≥ 1 mg/kg

Low-Activity Subarea

0 150 300
Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation
Data Summary Report

Low-Activity Special Use Areas

PPIN: 32612

Solutia

Figure
1-1k

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\A\Anniston\GIS\MXD\20230601_OU1_OU2_IPDIDSR\Rev1\Fig1-1k_IPDISR_OU1_OU2_LowUse_Interim_Soil_Sampling_rev1.mxd 6/30/2023 9:26:52 AM



Legend

- Historical Analytes other than PCB and Lead Analyzed

Historical Grab Surface Soil PCB Results (mg/kg)

- ND or < 1

Historical Composite Surface Soil PCB Results (mg/kg)

- ND or < 1
- ≥ 1 to < 10
- All Parcels
- Exposure Unit
- Special Use Parcel Boundary
- Special Use: Low-Activity Area ≥ 1 mg/kg
- Low-Activity Subarea

0 100 200 Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to-1-foot interval.
3. EU: exposure unit
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation Data Summary Report

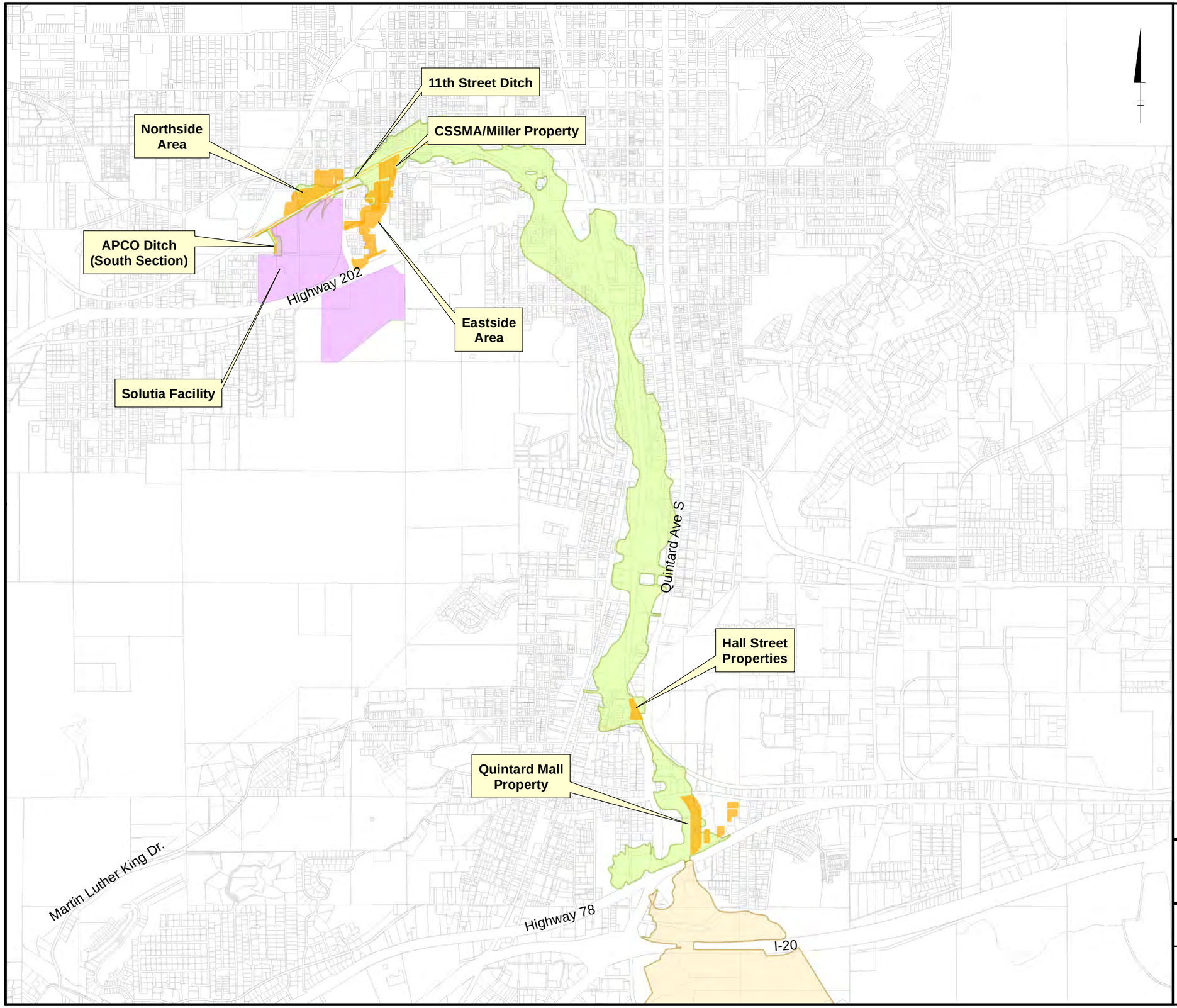
Low-Activity Special Use Areas

PPIN: 16384

Solutia

Figure 1-1l

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
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Legend

- OU-3 Boundary
- Interim Measure Locations
- OU-4 100-Year Floodplain
- OU-1/OU-2 Downgradient Floodplain
- Parcels

Notes

1. The OU-3 boundary shown has been modified since issuance of the OU-3 IROD. P/S are currently working with USEPA to formally revise the boundary.

APCO: Alabama Power Company
CSSMA: central staging and soil management area
IROD: Interim Record of Decision
OU: operable unit
P/S: Pharmacia LLC and Solutia Inc.
USEPA: United States Environmental Protection Agency

References

Calhoun County Tax Parcels, 2011.

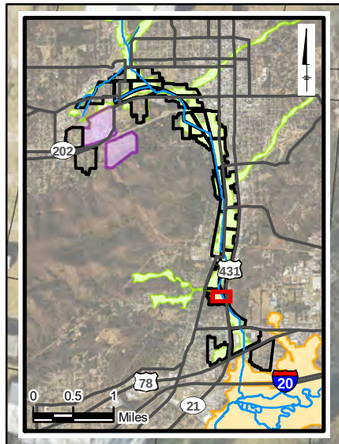
0 1,250 2,500 5,000 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation Data Summary Report

OU-1/OU-2 Interim Measures

Solutia

Figure 1-2



CA-26-6440-02
PE-077-B
CA-26-6440-03
CA-26-6440-01
P14
14 (in bgs)
P02
P01
P03
P04
P12
12 (in bgs)
P13
15 (in bgs)
P10
14 (in bgs)
P11
14 (in bgs)
P05
13 (in bgs)
P09
14 (in bgs)
P06
16 (in bgs)
P07
14.5 (in bgs)
P08
FC2-0083-D
FC2-0083-C
PCTull-007
PCTull-002
PCTull-006
PB-RRB3-05
PCTull-001
CA-26-6629-92
PCTull-004
TEAGUE STREET
WILLIAMSON AVENUE
HALL STREET
BURTON STREET

Legend

Hand Auger Location
- Marker Layer Observed
- Marker Layer Not Observed
- Snow Creek
- Interim Measure Area Remediation Footprint: Visual Inspection During PDI
- All Parcels

- Historical Analytes other than PCB and Lead Analyzed

Historical Surface Soil PCB Results (mg/kg)
- ND or < 1
- ≥ 1 to <10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 75 150
Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0-to-1-foot interval.
3. Subsurface concentrations depicted represent the average of data from the 0-to-4-foot interval.
4. in bgs: inches below ground surface
   mg/kg: milligrams per kilogram
   ND: nondetect
   OU: operable unit
   PCB: polychlorinated biphenyl
   PDI: predesign investigation

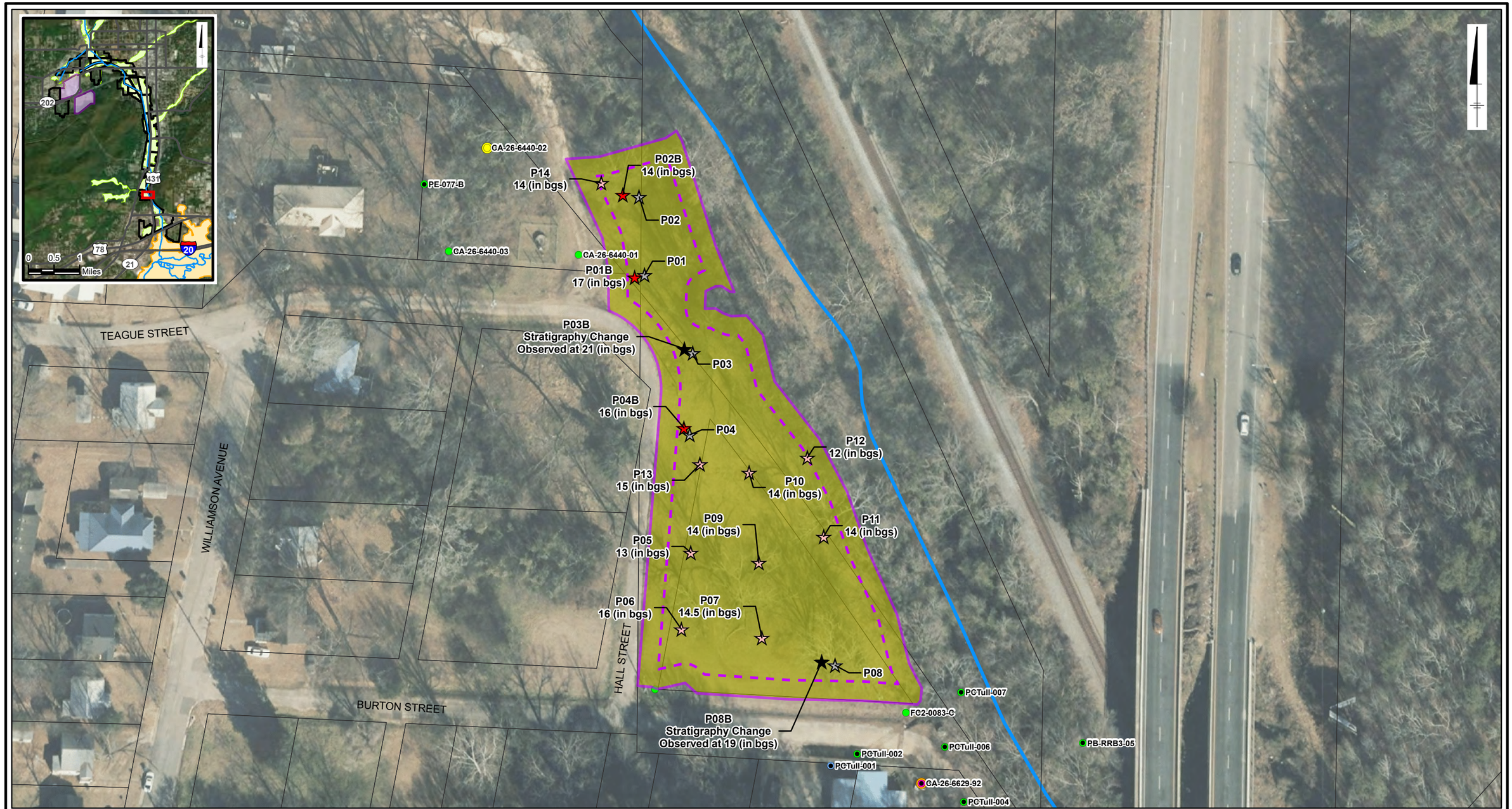
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Interim Predesign Investigation Data Summary Report

Hall Street Interim Measure Area: April 2023 Investigation Locations

Solutia

Figure 3-1

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\Al\Anniston\GIS\MXD\One Offs\202304_Hall_St_Marker_Investigation\FigX-X_PDIWP_Hall_Street_Marker_Investigation_202304.mxd 4/20/2023 10:22:36 AM



Legend

Hand Auger Location

- Marker Layer Observed (April 2023)
- Marker Layer Not Observed (April 2023)
- Marker Layer Observed (June 2023)
- Stratigraphy Change Observed (June 2023)
- Distance (feet)
- Snow Creek
- Interim Measure Area Remediation Footprint: Visual Inspection Only
- Interim Measure Area Buffer (15 feet)
- All Parcels
- Historical Analytes other than PCB and Lead Analyzed

Historical Surface Soil PCB Results (mg/kg)

- ND or < 1
- ≥ 1 to <10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

0 75 150 Feet

Graphic Scale

Notes:

1. Aerial imagery provided by Calhoun and Talladega Counties.
2. Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
3. Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.

in bgs: inches below ground surface
mg/kg: milligrams per kilogram
ND: nondetect
OU: operable unit
PCB: polychlorinated biphenyl
PDI: pre-design investigation

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Hall Street Interim Measure Area: June 2023 Investigation Locations

Solutia
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Figure
3-2

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: Daniel.Prendergast
Anniston
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APPENDIX 2-A
Photolog and Inspection Forms for Low-Activity Special Use Areas

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	30182
Prop Street	2200 West 17th St		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Crane Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Elementary school frontage containing school sign		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Maintained grass lot bordered by West 17th St to the north and the elementary school parking lot to the south		
Area description *(circle all that apply)*	(Developed) Undeveloped Residential Commercial Light industrial Industrial Institutional		

Photos Collected

Photo	Direction	Comments
	Northeast	Maintained grass concrete planter in front of elementary school parking lot.
	Northeast	Maintained grass concrete planter in front of elementary school parking lot.

		Northwest	Maintained grass concrete planter in front of elementary school parking lot.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	21033
Prop Street	500 East 18th Street		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	East 17th, Christine Ave, and Davis Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 85°F
Description of Current Property Use	Sports field/recreation area		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open, well maintained grassy lot. The outfield of a baseball field surrounded by a chain-link fence. A concession stand is located on the southern parcel with a chain-link fence and gravel along East 17th St.		
Area description *(circle all that apply)*	(Developed) Undeveloped Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		East	Building within sports complex boundaries.
		West	Building within sports complex boundaries.

		North	Maintain sport complex fields
		Northeast	Maintain sport complex fields
		Northwest	Maintain sport complex fields
		Northwest	Maintain sport complex fields

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	19406/19407/19408
Prop Street	1323 Brown Ave		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	White Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Church frontage		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open, maintained grass lots bordering the church parking lots and Brown/White Ave. Storage shed placed on top of one area.		
Area description *(circle all that apply)*	(Developed) Undeveloped Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		East	Maintained grass area in parking lot concrete planter.
		East	Maintained grass area median between roadway and parking lot of church property.

		South	Maintained grass area in parking lot with shed.
		West	Maintained grass area in between sidewalk and Brown Avenue.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	20579
Prop Street	1301 Woodstock Ave		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	None		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Road frontage for school		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy lot with a few large trees bordering the parking lot of the Anniston Performing Arts Center. The northern section contains a drainage ditch and several utilities (water main, street light). The southern section does not contain a drainage ditch but shows evidence of utilities in the area.		
Area description *(circle all that apply)*	(Developed) Undeveloped Residential Commercial Light industrial Industrial Institutional		

Photos Collected

Photo	Direction	Comments
	East	Maintained grass cover area bordering parking lot of the Anniston Performing Arts Center/Anniston High School.
	East	Maintained grass cover area bordering parking lot of the Anniston Performing Arts Center/Anniston High School. Drainage feature observed.

		West	Maintained grass cover area bordering parking lot of the Anniston Performing Arts Center/Anniston High School. Gas utility infrastructure observed.
		West	Maintained grass cover area bordering parking lot of the Anniston Performing Arts Center/Anniston High School. Drainage feature observed.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	20717
Prop Street	1301 Highland Ave		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Crescent Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Vacant wooded area		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Heavily vegetated vacant area with Highland Ave to the east and the back entrance to the high school to the south. A building associated with the high school borders the area to the west. Several overhead power lines run through this parcel as well.		
Area description *(circle all that apply)*	Developed (Undeveloped) Residential Commercial Light industrial Industrial Institutional		

Photos Collected

Photo	Direction	Comments
	North	Vacant wooded area behind Anniston High School along Highland Avenue. Dense vegetation, utility pole, and ancillary building associated with Anniston High School shown in photograph.
	East	Vacant wooded area behind Anniston High School along Highland Avenue. Dense vegetation and utility pole shown in photograph.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	30865
Prop Street	1716 West 12th St		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	None		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Vacant lot		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy lot with minor additional vegetation. Bordered to the north and west by West 12th St. Residence to the north and a church to the east.		
Area description *(circle all that apply)*	Developed **(Undeveloped)** Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		South	Maintained grass lot
		West	Maintained grass lot

		West	Maintained grass lot

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	32123
Prop Street	1021 Clydesdale Ave		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Ferron Ave and West 11th St		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Maintained open lot		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy lot with one large tree. Bordered by a residence to the east and Ferron Ave to the south. Clydesdale Ave to the north and West 11th St to the west.		
Area description *(circle all that apply)*	Developed	(Undeveloped)	Residential	Commercial	Light industrial	Industrial	Institutional

	Photo	Direction	Comments
Photos Collected		North	Maintained grass lot. No structure present.
		South	Maintained grass lot. No structures present.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	19313
Prop Street	Across from 1099 12th Street		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	12th Street and Stephens Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70s°F
Description of Current Property Use	Baseball field		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Baseball field. Maintained inside and outside of fence line. Higher vegetation outside southwest fence line along Snow Creek.		
Area description *(circle all that apply)*	(Developed) Undeveloped Residential Commercial Light industrial Industrial Institutional		

	Photo	Direction	Comments
Photos Collected		West	Recreational baseball field with grass cover
		West	Recreational baseball field with grass cover

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	18084
Prop Street	1000 Leighton Ave		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Quintard and 10th		
Inspection Date	4/18/2023	Weather/Temp	Sunny 85°F
Description of Current Property Use	Frontage for church/medical center		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy lot with a few trees/bushes on the western and eastern ends. Well maintained with side walks and street lights. Bordered to the south by Quintard and the north by a medical facility parking lot.		
Area description *(circle all that apply)*	Developed **(Undeveloped)** Residential Commercial Light industrial Industrial Institutional		

	Photo	Direction	Comments
Photos Collected		West	Maintained grass area with sidewalks
		South	Maintained grass area with sidewalks

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	17523
Prop Street	351 East 8th Street		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Keith Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 85°F
Description of Current Property Use	Frontage for the hospital		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Grassy hillside with a few larger trees. The southern boundary is defined by East 11th St and the northern boundary is defined by a gravel parking lot. Drainage ditch at base of slope.		
Area description *(circle all that apply)*	Developed (Undeveloped) Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		South	Maintained grass slope adjacent to East 8th Street and gravel lot (where former Tyler Park tennis courts were observed)
		South	Maintained grass slope adjacent to East 8th Street and gravel lot (where former Tyler Park tennis courts were observed)

		Northeast	Maintained grass slope adjacent to East 8th Street and gravel lot (where former Tyler Park tennis courts were observed)
		West	Maintained grass slope adjacent to East 8th Street and gravel lot (where former Tyler Park tennis courts were observed)

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	18536/18671
Prop Street	725 Zenn Parkway Dr		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	None		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Open lot in public park		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy lot with several large trees. Contains a grass volleyball court and part of the outfield of a baseball field. A section of this parcel also borders a playground and a picnic shelter.		
Area description *(circle all that apply)*	Developed (Undeveloped) Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		West	Maintained park areas
		East	Maintained park areas

		Northwest	Maintained park areas
		South	Maintained park areas

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	32375
Prop Street	1330 West 10th St		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Montrose Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Vacant area between a residence and the American Legion parking lot		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Side of hill with grass/vegetation and several large trees. Bordered to the north by West 10th St and to the south by a wooded area. To the east on the upper side of the hill is a residence with a chain-link fence. The western boundary is located on the lower side of the hill with a retaining wall and the American Legion parking lot.		
Area description *(circle all that apply)*	Developed	Undeveloped (circled)	Residential	Commercial	Light industrial	Industrial	Institutional

Photos Collected	Photo	Direction	Comments
		East	Vegetated slope above retaining wall adjacent to American Legion parking lot.
		Southeast	Vegetated slope above retaining wall adjacent to American Legion parking lot.

		Northeast	Vegetated slope above retaining wall adjacent to American Legion parking lot.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	32487
Prop Street	305 Embry St		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	1st Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Vacant space		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy lot with one larger tree. GAB pull in and remains of a foundation to the west. 1st Ave to the east.		
Area description *(circle all that apply)*	Developed (Undeveloped) Residential Commercial Light industrial Industrial Institutional		

	Photo	Direction	Comments
Photos Collected		North	Maintained grass area behind church property. Former shed area shown (see disturbed/depressed area in photo).
		South	Maintained grass area behind church property.

		West	Maintained grass area behind church property.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	32490
Prop Street	2500 West Jefferson St		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	3rd Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Vacant lot		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy lot surrounded to the east and south by bushes/vegetation. 3rd Ave to the west and Jefferson St to the north		
Area description *(circle all that apply)*	Developed Undeveloped Residential Commercial Light industrial Industrial Institutional		

	Photo	Direction	Comments
Photos Collected			
			

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	18311
Prop Street	401 Chestnut Ave		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	5th street		
Inspection Date	4/18/2023	Weather/Temp	Sunny 85°F
Description of Current Property Use	Power Company substation and transmission line		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	GAB lot with substation on the southern portion of the property. Power transmission line to the western portion of the property and 5th Ave forms the eastern property boundary. The northern area of the property is heavily vegetated with trees, bushes, etc.		
Area description *(circle all that apply)*	(Developed) (Undeveloped) Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		South	APCO substation
		East	APCO substation

		North	Vegetated area along eastern border of APCO substation with high tension utility lines
		North	Dense vegetated area located to the north of the APCO substation
		North	Dense vegetated area located to the north of the APCO substation
		South	Utility infrastructure associated with APCO substation

		North	Dense vegetated area located to the north of the APCO substation
		North	Dense vegetated area located to the north of the APCO substation

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	18591
Prop Street	410 Palmetto Ave		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Mulberry Ave		
Inspection Date	4/18/2023	Weather/Temp	Sunny 85°F
Description of Current Property Use	Vacant lot		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Grassy hillside with sparse vegetation (saplings and bushes, large oak trees) bordered to the north by a youth organization that is currently undergoing construction. Mulberry Ave borders the property to the east and Palmetto Ave to the south and west. Power poles (2) in area, one with transformer, do not seem connected to structure.		
Area description *(circle all that apply)*	Developed **(Undeveloped)** Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		Northeast	Maintained vegetative slope along Palmetto Ave
		East	Maintained vegetative slope along Palmetto Ave

		East	Maintained vegetative slope along Palmetto Ave
		East	Maintained vegetative slope along Palmetto Ave

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton Kegley and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	32612
Prop Street	2511 Old Birmingham Hwy		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Hunter St		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Church frontage and sign placement		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open grassy church frontage with church sign. Bordered by Old Birmingham Hwy to the south and Hunter St to the west. Church parking lot to the north and parking lot pull in to the east.		
Area description *(circle all that apply)*	Developed (Undeveloped) Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		South	Maintained grass frontage area for church property along Old Birmingham Hwy.
		North	Maintained grass frontage area for church property along Old Birmingham Hwy.

		East	Maintained grass frontage area for church property along Old Birmingham Hwy.

Low-Activity Special Use Area Field Checklist

Inspection Personnel	Dalton and Courtney Thomas	Project Number	BR0579A
Prop Name	Not applicable	Property PPIN	16384
Prop Street	1130 Hale St		
Prop City, County, State, Zip	City of Anniston, Calhoun County, Alabama		
Cross Streets	Quintard		
Inspection Date	4/18/2023	Weather/Temp	Sunny 70°F
Description of Current Property Use	Open, maintained recreation area for the City of Oxford		
Description of Current Conditions (e.g., vegetative cover, presence of buildings/structures)	Open, maintained park area with sidewalks, a statue, and a flagpole. The northern border is marked by a large drainage ditch with several culverts. Overhead utilities ran through the area and several underground utilities can be observed in running through the drainage ditch. Quintard borders the area to the east and a medical facility borders it to the west.		
Area description *(circle all that apply)*	Developed **(Undeveloped)** Residential Commercial Light industrial Industrial Institutional		

Photos Collected	Photo	Direction	Comments
		South	Monument and walkways within maintained grass areas
		North	Drainage feature at northern end of low-activity special use area

		South	Drainage feature at northern end of low-activity special use area

APPENDIX 3-A
Photolog and Field Notes from Hall Street Interim Measure Soil Cover Inspection

Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 1

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Advancement of hand auger at Hall Street IM Area to evaluate soil cover.



Photograph 2

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Location P01. No geotextile layer observed. Auger termination depth at 16 inches below ground surface.



Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 3

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Location P02. No geotextile layer observed. Auger termination depth at 20 inches below ground surface.



Photograph 4

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Location P03. Strata change encountered at 16 inches below ground surface. No geotextile encountered. Total depth of boring at 17 inches below ground surface.



Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 5

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Soil cover and native material at Hall Street IM Area.



Photograph 6

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Augering within disturbed area of Hall Street IM Area. Location P05. Geotextile marker layer observed at 13 inches below ground surface. Total depth of boring at 13 inches below ground surface.



Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

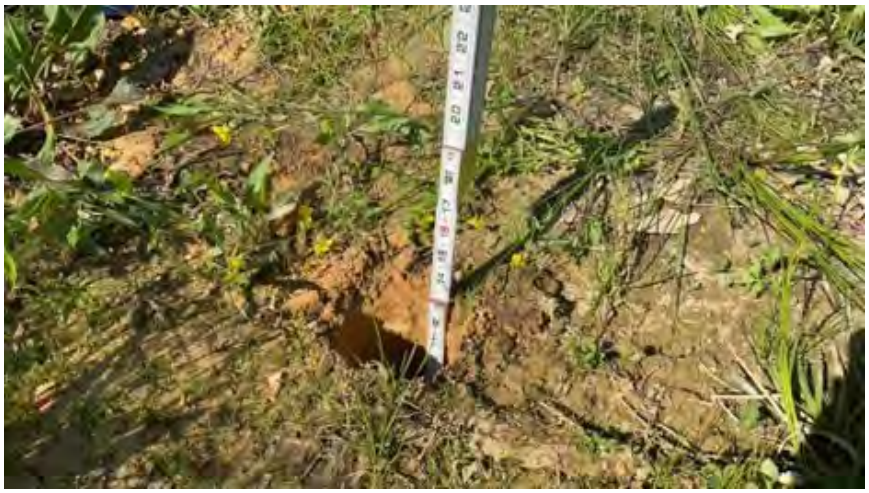
Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 7

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Location P05. Geotextile marker layer observed at 13 inches below ground surface. Total depth of boring at 13 inches below ground surface.



Photograph 8

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Location P08. No geotextile marker layer observed. Total depth of boring 18 inches below ground surface.



Photographic Record	
Client: Pharmacia LLC/Solutia Inc.	**Project Number:** BR0579A
Site Name: OU-1/OU-2 Anniston PCB Site	**Site Location:** Anniston, Alabama

Photograph 9 **Date:** April 19, 2023 **Location:** Hall St IM Area **Comments:** Location P08.	

Photograph 10 **Date:** April 19, 2023 **Location:** Hall St IM Area **Comments:** Location P09. Geotextile marker layer observed at 14 inches below ground surface. Total depth of boring at 17 inches below ground surface.	

Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 11

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Location P10. Auger termination at 14 inches below ground surface. Marker layer observed at 14 inches below ground surface.



Photograph 12

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Example of marker layer encountered at Hall Street IM Area auger locations.



Photographic Record	
Client: Pharmacia LLC/Solutia Inc.	**Project Number:** BR0579A
Site Name: OU-1/OU-2 Anniston PCB Site	**Site Location:** Anniston, Alabama

Photograph 19 **Date:** April 19, 2023 **Location:** Hall St IM Area **Comments:** Location P11. Marker layer observed at 14 inches below ground surface.	

Photograph 20 **Date:** April 19, 2023 **Location:** Hall St IM Area **Comments:** Location P13. Marker layer observed at 15 inches below ground surface.	

Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 21

Date: April 19, 2023

Location: Hall St IM Area

Comments:
Location P14. Marker layer observed at 14 inches below ground surface. Total depth of boring at 17 inches below ground surface.



Photograph 22

Date: June 1, 2023

Location: Hall St IM Area

Comments:
Advancement of hand auger at Hall Street IM Area to evaluate soil cover.



Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 25

Date: June 1, 2023

Location: Hall St IM Area

Comments:
Soil cover material at Hall Street IM Area.

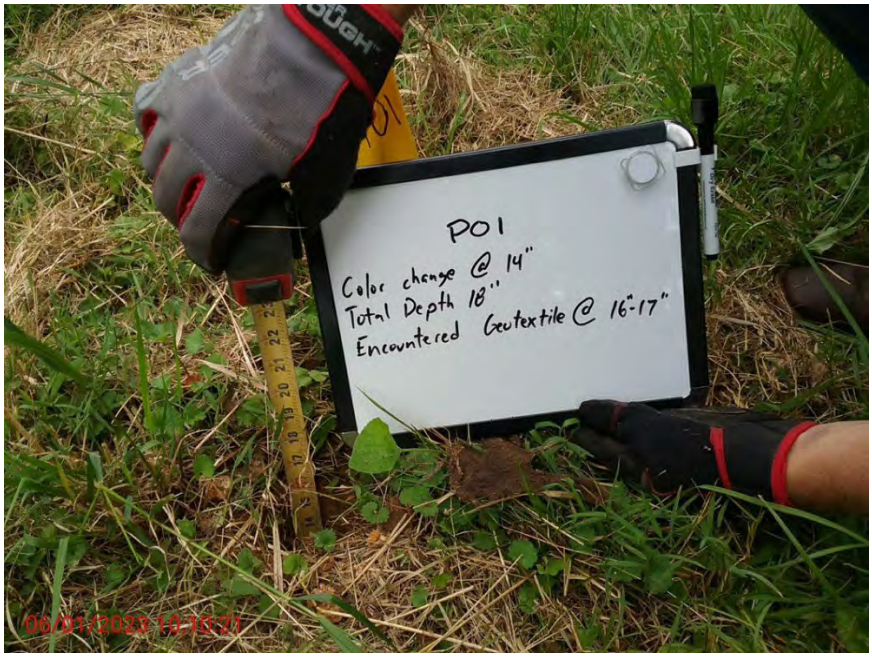


Photograph 26

Date: June 1, 2023

Location: Hall St IM Area

Comments:
Supplemental location P01B. Strata change encountered at 14 inches below ground surface. Geotextile encountered at 16 to 17 inches below ground surface.
Total depth of boring at 18 inches below ground surface.



Photographic Record

Client: Pharmacia LLC/Solutia Inc. **Project Number:** BR0579A

Site Name: OU-1/OU-2 Anniston PCB Site **Site Location:** Anniston, Alabama

Photograph 27

Date: June 1, 2023

Location: Hall St IM Area

Comments:
Supplemental location P02B. Strata change encountered at 13 inches below ground surface. Geotextile encountered at 14 inches below ground surface. Total depth of boring at 14 inches below ground surface.



Photograph 28

Date: June 1, 2023

Location: Hall St IM Area

Comments:
Supplemental location P03B. Strata change encountered at 20 inches below ground surface. No geotextile encountered. Total depth of boring at 36 inches below ground surface.



Photographic Record	
Client: Pharmacia LLC/Solutia Inc.	**Project Number:** BR0579A
Site Name: OU-1/OU-2 Anniston PCB Site	**Site Location:** Anniston, Alabama

Photograph 31 **Date:** June 1, 2023 **Location:** Hall St IM Area **Comments:** Supplemental location P04B. Strata change encountered at 15 inches below ground surface. Geotextile encountered at 16 inches below ground surface. Total depth of boring at 18 inches below ground surface.	
Photograph 32 **Date:** June 1, 2023 **Location:** Hall St IM Area **Comments:** Supplemental location P08B. Strata change encountered at 19 inches below ground surface. No geotextile encountered. Total depth of boring at 22 inches below ground surface.	

DAILY FIELD REPORT

Geosyntec Consultants
1750 American Blvd, Suite 200
Pennington, NJ 08534

Geosyntec consultants
engineers | scientists | innovators

Project Name	Annaville PCB Site	**Date**	4/19/2023 Page 1 of 4
Project Number	BR0479A	**Primary Activities:**	
Field Personnel	Dalton Kegley Courtney Thomas		low activity special use area inspections
Recorded by	Courtney Thomas		Hall Street IM area inspection of cover soils
Weather	Sunny 70s		

Time	Description of activities – location of work, work performed, equipment & personnel used, incidental information
0745	Field team meets up. Supplies run to Lowes for 5 gallon buckets to containerize soils.
0800	mobilize to PPIN 163844
0810	Complete inspection of PPIN 163844 maintained area between Quintard ave and Hale Street. Complete electronic field forms and photolog. Collect photos from surrounding vantage points Drainage ditch at northern end of low activity special use area. Overhead utilities to west and north sides of area.
0825	Complete inspection of PPIN 163844
0841	Mobilize to Hall Street to complete Hall Street Inspection. Complete walk through of area to identify disturbed areas.
0900	Hand auger at P1. No marker layer observed at 16 inches below ground surface. Material change from tan sandy fill material to dark brown silty material at 16 inches.
0915	Hand auger at P2. North of P1 in northern Hall Street IM area. Material change from tan sandy fill material to dark brown silty material at 16 inches. Advanced auger to 20 inches below ground surface. No marker layer observed.
0926	Hand auger at P3. Between trees and Hall Street. Advanced auger to 18 inches. Material change at 16 inches. No marker layer observed.

DAILY FIELD REPORT

Geosyntec Consultants
1750 American Blvd, Suite 200
Pennington, NJ 08534

Geosyntec consultants
engineers | scientists | innovators

Project Name	Anniston PCB Site	**Date**	4/19/2023 Page 2 of 4
Project Number	BR0479A	**Primary Activities:**	
Field Personnel	Dalton Kegley, Courtney Thomas		low activity specialuse areas inspection
Recorded by	Courtney Thomas		Hall Street MU areas inspected
Weather	Sunny, 70s		

Time	Description of activities – location of work, work performed, equipment & personnel used, incidental information
0937	P4: Advanced auger to 16 inches below ground surface Material change at 14.5 inches below ground surface. No marker layer observed.
0945	P5: advanced auger to 13 inches below ground surface. Material tan sandy fill ends marker layer at 13 inches below grade.
0950	P6: Advanced auger to 20 inches below ground surface. marker layer observed at 16 inches below ground surface.
1000	Josh Threadgill onsite
1010	start middle and eastern transects. P7: Native at 13 inches below grade. auger advanced to 16 inches. marker layer observed at 14.5 inches below grade.
	P8 Augered to 18 inches. No marker layer observed.
1020	P9: marker layer observed
	P10 marker layer observed
1030	P11 marker layer observed at 14 inches
	P12: marker layer observed at 12 inches
1045	P13: marker layer at 15 inches
	P14: marker layer at
1100	complete Hall Street MU area. Call Alan Fowler to provide ~~per~~ report.
1120	mob to get sand to backfill.
1150	arrive at Hall Street to backfill probe holes.

DAILY FIELD REPORT

Geosyntec Consultants
1750 American Blvd, Suite 200
Pennington, NJ 08534

Geosyntec consultants
engineers | scientists | innovators

Project Name	Anniston PCB Site	**Date**	4/19/2023 Page 3 of 4
Project Number	BR04794	**Primary Activities:**	
Field Personnel	Dalton Kelley Courtney Thomas		low activity special use area inspections
Recorded by	Courtney Thomas		
Weather	Sunny. 70's F - 80° F		

Time	Description of activities – location of work, work performed, equipment & personnel used, incidental information
1220	finish backfilling pipe locations at Hall Street.
1225	lunch break.
1325	mobilize to PPIN 18311. Heavy vegetation behind apco station. Completed electronic field forms and photolog. Transmission lines in skinny strip along apco substation to east. Photos collected from ~~north~~ south (w), west, and east vantage points. North south strip covered in brush and high transmission lines. Square lot covered in thick vegetation, trees, brush, heavily wooded. Drainage feature behind northern end of PPIN 18311.
1410	mobilize to 19591. maintained sloped lots. Slope west (high) to east (low). 5 large oak trees and small pine and oak trees scattered throughout. Power ~~lines~~ (w) poles (wooden) with transformer located in area. Does not look connected. Power lines along Palmetto ave.
1423	mobilize to PPIN 17523 (Tyler Park Hillside) grass vegetated area with several (10+) medium to large oak trees. located between 8th Street and gravel parking lot. Completed electronic forms. Photos collected.
1445	mobilize to PPIN 18084. maintained frontage area between Vascular clinic parking lot and Quintard ave. Sidewalks and circular concrete structure light poles for parking lot along northern part of areas. Sprinkler heads along sidewalk. Bushes and landscaped areas to east (along Leighton ave).

DAILY FIELD REPORT

Geosyntec Consultants
1750 American Blvd, Suite 200
Pennington, NJ 08534

Geosyntec consultants
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Project Name	Annaven PCB Site	**Date**	4/19/2023 Page 4 of 4
Project Number	BR0479A	**Primary Activities:**	
Field Personnel	Courtney Thomas Dalton Kegley	low activity special use areas inspections	
Recorded by	Courtney Thomas		
Weather	sunny, 70-80°Fs		

Time	Description of activities – location of work, work performed, equipment & personnel used, incidental information
1510	Mobilize to PPIN 21033. North area (21033-911) may be under snack/auxiliary building of track and baseball complex. Photos collected of building. mobilize to southern areas of PPIN 21033 south of baseball field. well maintained outfield of baseball field. Fenced in property encompasses track, baseball field, football practice area. light poles/flood lights in area. Completed electronic field forms and photolog. Photos taken from south vantage point due to fence.
1535	mobilize to Eastman Plant to meet Mike to tour nonresidential and IM areas.
1700	Demob for the day

CET 4/19/23

DAILY FIELD REPORT

Geosyntec consultants
www.geosyntec.com

Project Name: Hall Street Investigation
Project Number:
Field Personnel: Dalton Kegley, Josh Threadgill, Trey Rampy
Recorded By: Dalton Kegley
Weather: Partly Cloudy Hi:82 Lo:[illegible]

Date: 6/1/23 Page 1 of 1
Primary Activities: Hand Augering and visual inspection

Time	Description of activities - location of work, work performed, equipment & personnel used, incidental information
900	DK arrived on-site and met with Josh Threadgill (JT) and Trey Rampy (TR).
905	DK conducted morning JSA
910	JT and TR located points with GPS. DK setup hand held GPS
1000	Started hand augering start at P01
	Color Change at 14" / Fabric at 17"
	Hand Augered P02
	Color Change at 13" / Fabric at 14"
	Hand Augered P03
	Color change 21" / No Fabric / Terminated at 36"
	Hand Augered P04
[illegible]	Color change 15" / Fabric 16"
1100	Hand Augered P08
[illegible]	Color change 19" / No Fabric / Terminated at 22"
1110	JT and TR offsite. DK began to locate points with GPS.
1215	DK finished locating points and travelled offsite to obtain sand for backfill.
1330	DK returned to site at backfilled hand augered holes to ground surface
1345	DK offsite

Daily Field Report

APPENDIX A-2

Email from Pamela Scully dated August 8, 2023, with USEPA Comments on the Interim Predesign Investigation Data Summary Report: Inspections of Low-Activity Special Use Areas and Hall Street Interim Measure Area

Alan Fowler

From: Alan Fowler
Sent: Tuesday, August 8, 2023 4:45 PM
To: Scully, Pam
Subject: RE: Interim PDI Data Summary Report

Sounds good...my schedule is open tomorrow after 10 AM.

From: Scully, Pam <scully.pam@epa.gov>
Sent: Tuesday, August 8, 2023 4:29 PM
To: Alan Fowler <AFowler@Geosyntec.com>
Subject: Interim PDI Data Summary Report

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Alan,

I reviewed the subject report and have the following comments:

- Executive summary – What is the difference in the second and third bullet? Why are these properties distinguished separately?
- Section 3.3 lists the geotextile marker layer being observed between 14 to 17 inches bgs. However, Figure 3-2 shows the marker layer being observed between 14 to 21 inches bgs. These measurements should be checked and revised as needed.
- If possible, put PCB composite concentration along with sample ID on figures in addition to ranges based on color. Or include a table with sampling results. The colors alone just make me want to know the concentrations.
- I am having trouble following the logic for all of the 19 properties; Figure 1-1c is confusing.

Maybe we can have a call to discuss.

Pamela J. Langston Scully, PE
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Office: (404)562-8935
Mobile: (404)661-7378
Scully.pam@epa.gov

APPENDIX B
Field Boring Logs for Geotechnical Investigation

GTB-01

Geosyntec consultants

BORING LOG

Date: 7/28/23
Page 1 of 2
Proj. No.: BR0579A

BOREHOLE LOCATION MAP

Site: Anniston, AL
Boring No.: CMB-01
Tools and Method: Sonic Drilling with SPT
Bit Dia:
Total Depth: 30 ft
Groundwater Depth:
Drilling Company: Cascade
Rig:
Drillers: J. Smith
Logger(s): Schuyler Robinson (GSI) Reviewer: Livingstone Jumeru

Page 1 of 2
Proj No.:
Site:
Boring:

Elev. (ft)	Top (feet)	Lithology Log	Drilling Log
	0	0'-2' Sandy lean clay (CL), soft, dark brown to gray with some red and orange mottling, low to medium plasticity, moist, some medium to fine sand, some silt, few organic matter, trace gravel	0'-2' 2/2/2/2 (4) 100% Recovery
	2	2'-4' Sandy lean clay (CL), soft, gray with red to orange mottling, low to medium plasticity, moist, some medium to fine sand, some silt, trace gravel	2'-4' 3/4/5/5 (9) 50% Recovery
	4	4'-6' Sandy Lean Clay (CL), very soft dark gray to brown, low to medium plasticity, moist, some medium to fine sand some silt, trace gravel	4'-6' 5/5/5/5 (10) 50% Recover
	6	6'-8' Sandy Lean Clay (CL), very soft dark ~~to~~ light brown/tan, low to medium plasticity, moist, some medium to fine sand some silt, trace gravel	6'-8' 2/1/2/1 (3) 50% Recovery
	8	8'-10' Clayey Sand (SC), loose, dark brown to gray/tan, low plasticity, wet, some clay, some silt, few gravel	8'-10' 1/3/5/1 (8) 100% Recovery
	10	10'-12' Sandy Lean Clay (CL), very stiff, gray to light tan, low to medium plasticity, moist some medium to fine sand, Note (Fissile parting observed)	10'-12' 9/14/12/27 (26) 100% Recovery
	12	12'-14' Shelby Tube	12'-14' Shelby Tube
	14	14'-16' Sandy lean Clay (CL), hard, light purple/maroon with orange mottling low to medium plasticity, moist, some medium to fine sand. (Note: Fissile parting observed)	14'-16' 38/50/3" 25% Recovery
	16	16'-26' Sandy lean Clay (CL), hard, light purple/maroon with some orange mottling low to medium plasticity, moist, some medium to fine Sand. (Note: Fissile parting observed	16'-26'
	18		

Boring No.: GTB-01 Site: Anniston, AL Proj. No.: BR05791 Page 2 of 2

Page 2 of ____ Proj No.: ____ Site: ____ Boring: ____

Sample Type	Top (feet)	Lithology Log	Drilling Log
	18		18'-26'
	20		
	24	0.25 ft fine grained sand seam observed	
	25		
	26	Orange to gray mottling with Large crumbles observed	
	27	27'-30' Silty Clay (CL), hard, tan with a hint of purple, medium to high plasticity some silt	27'-30'
	30	Total Depth @ 30ft	

GTB-02

Geosyntec consultants

BORING LOG

Date: 7/31/23 & 8/1/23
Page 1 of 2
Proj. No.: BR05794

BOREHOLE LOCATION MAP

Site: Anniston, AL
Boring No.: GTB-07
Tools and Method: Sonic drilling with SPT
Bit Dia: _____
Total Depth: 25ft
Groundwater Depth: _____
Drilling Company: Cascade
Rig: _____
Drillers: J. Smith
Logger(s): T. Payne
Reviewer: Livingstone Jumeau

Page 1 of _____
Proj No.: _____
Site: _____
Boring: _____

Elev. (ft)	Top (feet)	Lithology Log	Drilling Log
	0	0'-2' Silt (ML), hard, dark yellowish brown, nonplastic, dry	0'-2' 6/12/21/4 (33)
	2	2'-4' No Recovery	2'-4' 7/2/4/5 (6) 0% Recovery
	4	4'-6' Silt (ML), hard, dark yellowish brown, non-plastic, dry.	4'-6' 13/20/13/10 (33) 15% recovery
	6	6'-8' Fat Clay with Sand (CH), very stiff, brown with yellow mottling, high plasticity, moist, some silt, few medium to fine Sand, trace gravel	6'-8' 7/8/8/9 (16) 100% Recovery
	8	8'-10' Shelby tube	8'-10' Shelby tube 100% Recovery
	10	10'-12' Clay (CL), stiff, brown with yellow mottling, low plasticity, wet, trace black SA gravel	10'-12' 4/2/3/3 (9) 100% Recovery
	12	12'-14' Sandy Silt (ML), hard, light brown, non plastic, moist, some medium to fine sand, few gravel, trace clay	12'-14' 26/32/47/50 (79)
	14	14'-16' Sandy Silt (ML), hard, light brown, non plastic, moist, some medium to fine sand, few gravel, trace clay	14'-16' 35/50/3.5"
	16	16'-23.5' Clay (CL), medium, yellowish brown, low plasticity, moist.	16'-25' 100% Recovery

Boring No.: GTB-02 Site: Anniston, AL Proj. No.: B20579A Page 2 of 2

Boring: Site: Proj No.: Page 2 of

Sample Type	Top (feet)	Lithology Log	Drilling Log
		23.5'-25' Clay (CL), medium, yellowish brown, medium to high plasticity, moist.	16'-25' 100% Recovery
	25	Total Depth @ 25 ft	

GTB-03

Geosyntec consultants

BORING LOG

Date: 8/1/23
Page 1 of 2
Proj. No.: BR0579A

BOREHOLE LOCATION MAP

Site: Anniston, AL
Boring No.: GIB-03
Tools and Method: Sonic drilling with SPT
Bit Dia:
Total Depth: 20 ft
Groundwater Depth:
Drilling Company: Cascade
Rig:
Drillers: J. Smith
Logger(s): T. Payne
Reviewer: Livingstone Jumeau

Page 1 of
Proj No.:
Site:
Boring:

Elev. (ft)	Top (feet)	Lithology Log	Drilling Log
	0	0'-2' Lean clay (CL), stiff, reddish brown, low to medium plasticity, moist, some silt, few sand, trace gravel, organic material	0'-2' 5/6/5/6 (11) 88% Recovery
	2	2-4' Lean clay (CL), stiff, reddish brown, low to medium plasticity, moist some silt, few sand, trace gravel,	2'-4' 7/7/7/8 (14) 75% Recovery
	4	4'-6' Shelby tube	4'-6' Shelby tube
	6	6'-8' Lean clay (CL), medium, dark brown, low plasticity, moist, some silt, few sand, trace black gravel	6'-8' 4/3/3/2 (6) 50% Recovery
	8	8'-10' Silty Sand with Gravel (SM), medium dense, brown, non plastic, little silt, little gravel, few clay	8'-10' 17/8/6/30 (14) 50% Recovery
	10	10'-12' Clayey Sand with Gravel (SC), medium dense, yellowish brown with white and biege mottling, non plastic moist, little clay, little gravel, few silt	10'-12' 29/7/9/50/3" (16) 20% Recovery
	12	12'-14' Clayey Sand with Gravel (SC), medium dense, yellowish brown with white and biege mottling, non plastic moist, little silt, little gravel, little clay	12'-20' 100% Recovery
	14	14'-17' Clayey Sand with Gravel (SC), medium dense, yellowish brown with white and biege mottling, non plastic moist, little silt, little gravel, little clay	
	17	17'-18.25' Clay (CL) soft, brown, low plasticity, moist, some sand, little gravel	

Boring No.: GB-03 Site: Annistun, AL Proj. No.: B205794 Page 2 of 2

Page 2 of ____ Proj No.: ____ Site: ____ Boring: ____

Sample Type	Top (feet)	Lithology Log	Drilling Log
		18.25' - 20' Clay (CL), stiff, yellowish brown, with purple mottling, high plasticity, moist.	12'-20' 100% Recovery
	20	Total depth @ 20 ft	

GTB-04

Geosyntec consultants

BORING LOG

Date: 7/29/23
Page 1 of 2
Proj. No.: BR05794

BOREHOLE LOCATION MAP

Site: Anniston, AL
Boring No.: GTB-04
Tools and Method: Sonic Drilling with SPT
Bit Dia: _____
Total Depth: 20 ft
Groundwater Depth: 7.5 ft bgs
Drilling Company: Cascade
Rig: _____
Drillers: Jacob Smith
Logger(s): Schuyler Robinson (GSI) Reviewer: Livingstone Jumeru

Page 1 of _____
Proj No.: _____
Site: _____
Boring: _____

Elev. (ft)	Top (feet)	Lithology Log	Drilling Log
	0	0'-2' Silt (ML), stiff, brown, non plastic dry, trace coarse gravel and organic matter. (Note: a piece of rock blocked spoon opening)	0'-2' 8/3/6/8 (9) 13% Recovery
	2	2'-4' Sandy lean clay (CL), medium dark brown low to medium plasticity moist, some sand, some silt, trace gravel	2'-4' 3/3/3/1 (6) 50% recovery
	4	4'-6' Lean Clay with Gravel (CL), stiff black, low to medium plasticity, moist, some clay, some silt, few sand, few gravel (Note: Rubber/gummy texture and hydrocarbon odor)	4'-6' 2/7/2/1 (9) 50% recovery
	6	6'-8' lean clay with gravel (CL), stiff, brown, low to medium plasticity, moist some clay, some silt, few sand, few gravel	6'-8' 2/4/5/7 (9) ∇ gwj at 7.5ft bgs 100% Recovery
	8	8'-10' Shelby tube	8'-10' Shelby tube 50% Recovery
	10	10'-12' Shelby tube	10'-12' Shelby tube 100% Recovery
	12	12'-14' Sandy Lean Clay (CL), hard, gray, low to medium plasticity, wet, little sand, some silt, little clay, trace gravel	12'-14' 6/16/21/19 (37) 50% recovery
	14	14'-16' Lean clay with sand (CL), hard light gray with red/orange/gray mottling, low to medium plasticity moist, some silt, little sand.	14'-16' 19/27/37/32 (64) 10% Recovery
	16	16'-18' Lean clay with sand (CL), hard, light gray with red/orange/gray mottling, low to medium plasticity moist, some silt, little sand	16'-18' 6/17/50 (67)
	18		

Boring No.: GIB-04 Site: Anniston, AL Proj. No.: BR0579A Page 2 of 2

Boring: _____ Site: _____ Proj No.: _____ Page 2 of _____

Sample Type	Top (feet)	Lithology Log	Drilling Log
		18' - 20' lean Clay (CL), hard, light gray with red/orange/gray mottling, low to medium plasticity, moist, some silt, little sand	
	20	Total Depth @ 20ft	

APPENDIX C
Geotechnical Testing Results

GTB-01

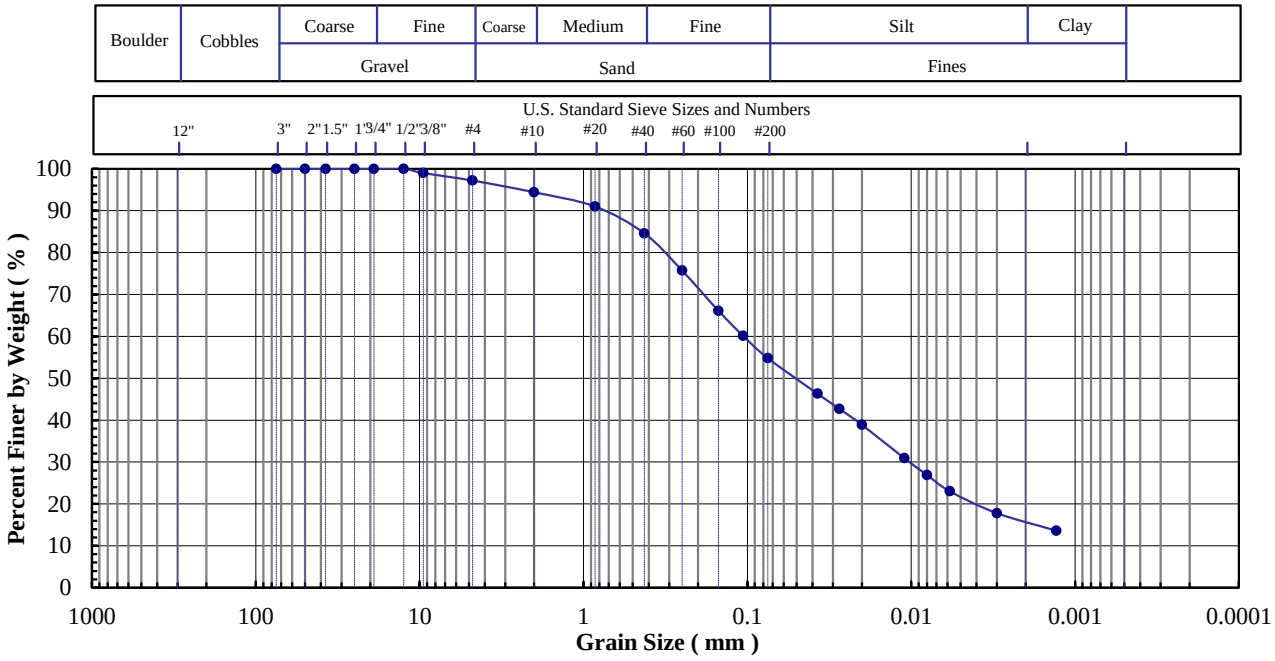
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-01 0-2'
Lab Sample No: 23H229

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

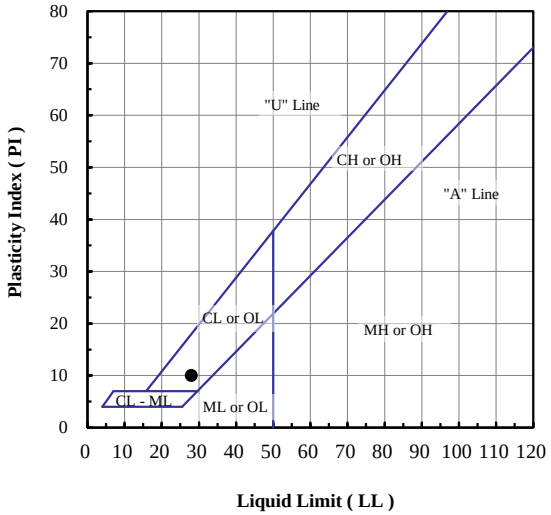


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	99
#4	4.75	97
#10	2.00	94
#20	0.850	91
#40	0.425	85
#60	0.250	76
#100	0.150	66
#140	0.106	60
#200	0.075	55

Hydrometer Particle Diameter (mm)	% Finer
0.0373	46
0.0200	39
0.0080	27
0.0030	18
0.0013	14

Gravel (%):	3
Sand (%):	42
Fines (%):	55
Silt (%):	40
Clay (%):	15

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.703

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-01 0-2'	23H229	15.9	55	28	18	10	CL - Sandy lean clay

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.

10-29-2023
Approved By: NSR

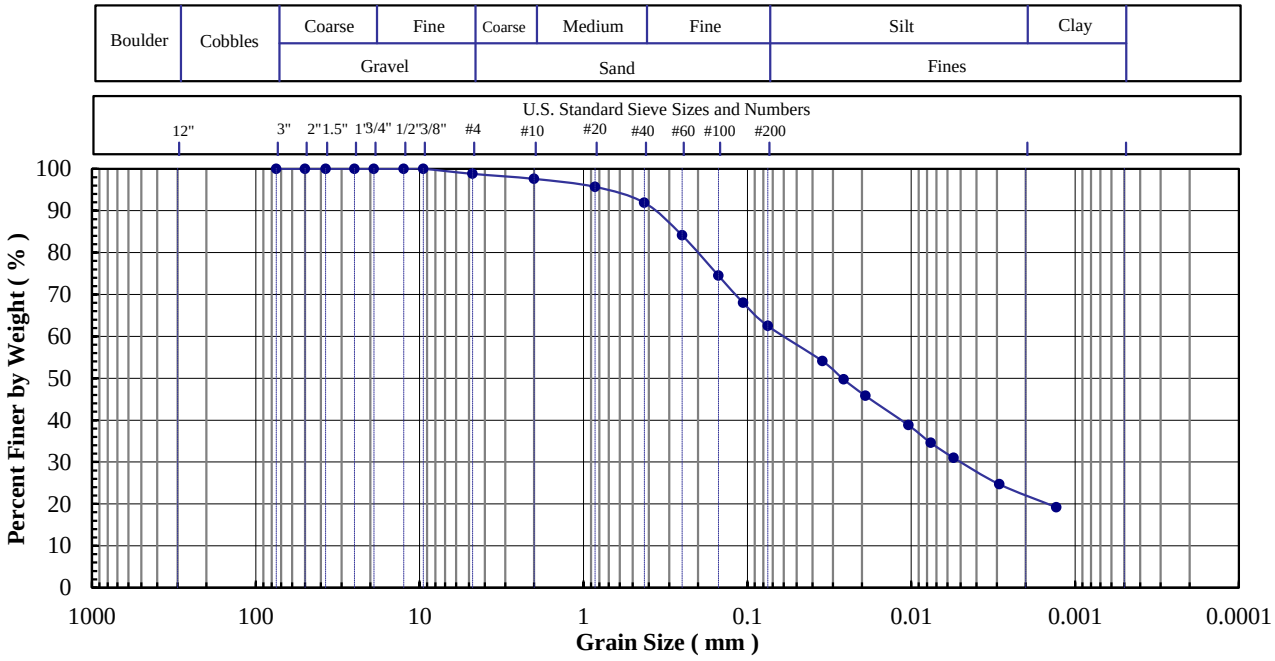
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-01 6-8'
Lab Sample No: 23H230

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

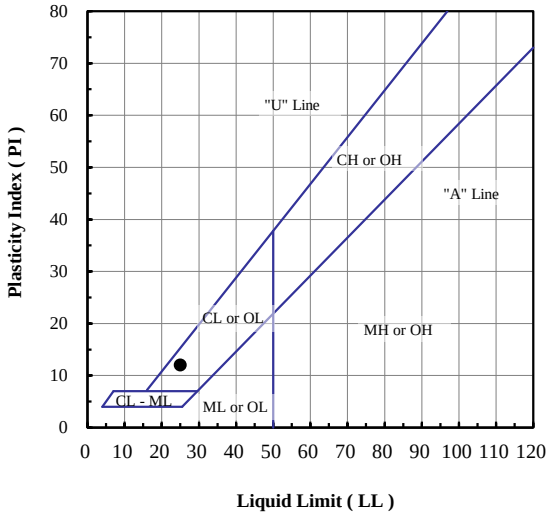


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	100
#4	4.75	99
#10	2.00	98
#20	0.850	96
#40	0.425	92
#60	0.250	84
#100	0.150	75
#140	0.106	68
#200	0.075	63

Hydrometer Particle Diameter (mm)	% Finer
0.0348	54
0.0190	46
0.0076	35
0.0029	25
0.0013	19

Gravel (%):	1
Sand (%):	36
Fines (%):	63
Silt (%):	41
Clay (%):	22

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.715

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	Atterberg Limits PL (-)	Atterberg Limits PI (-)	Engineering Classification
GTB-01 6-8'	23H230	16.2	63	25	13	12	CL - Sandy lean clay

Note(s): Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.

12-23-2023
Approved By: NSR

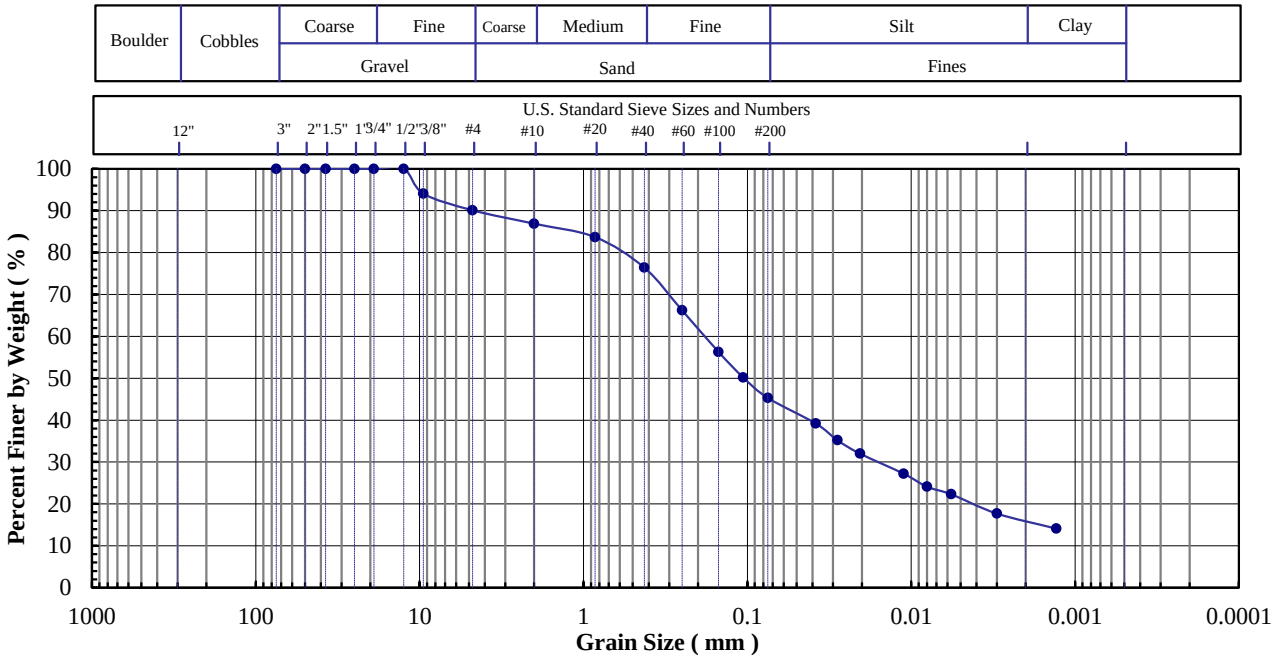
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-01 8-10'
Lab Sample No: 23H231

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

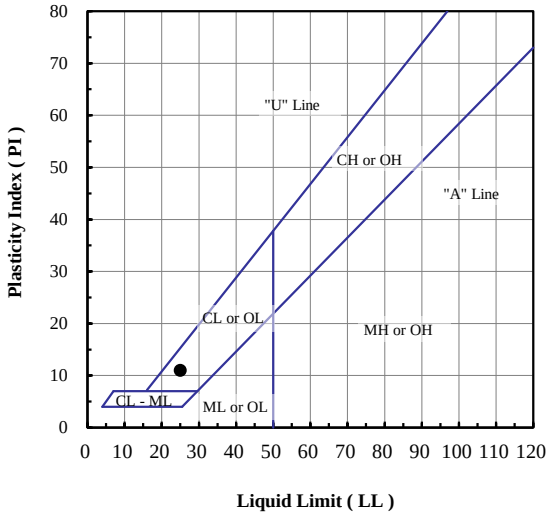


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	94
#4	4.75	90
#10	2.00	87
#20	0.850	84
#40	0.425	76
#60	0.250	66
#100	0.150	56
#140	0.106	50
#200	0.075	45

Hydrometer Particle Diameter (mm)	% Finer
0.0382	39
0.0205	32
0.0080	24
0.0030	18
0.0013	14

Gravel (%):	10
Sand (%):	45
Fines (%):	45
Silt (%):	29
Clay (%):	16

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.693

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-01 8-10'	23H231	14.6	45	25	14	11	SC - Clayey sand

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.
Engineering classification is based on the assumption that the fines are either CL or CH.

12-23-2023
Approved By: NSR

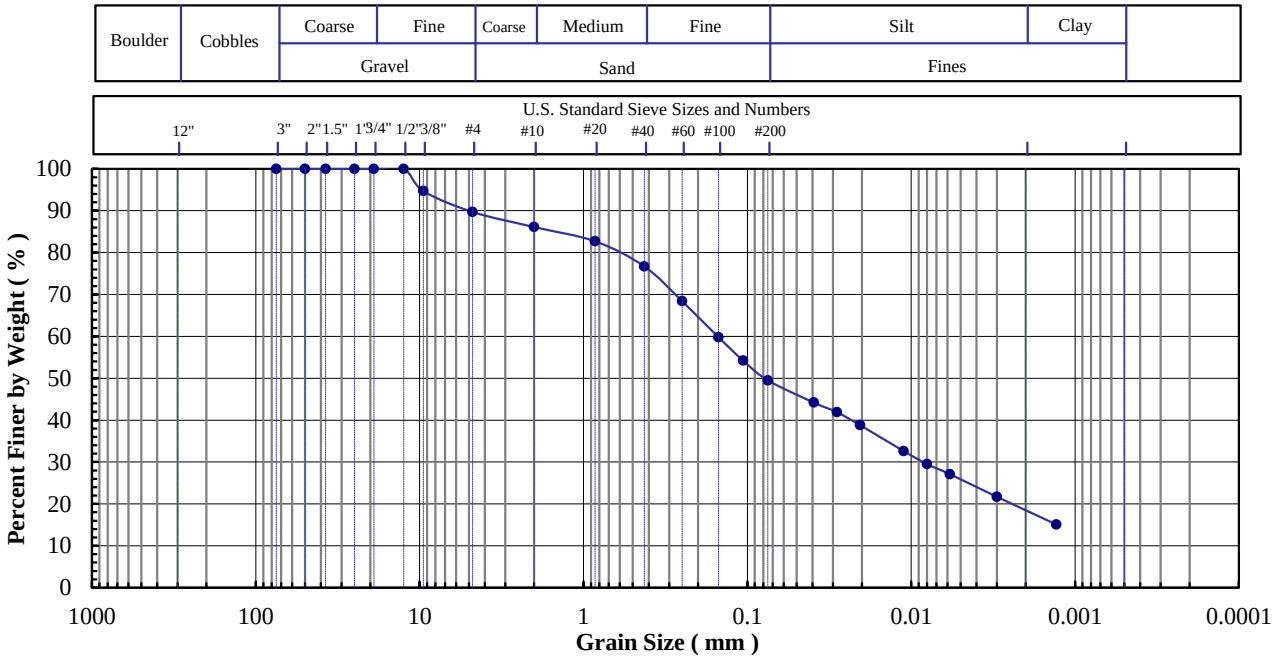
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-01 12-14'
Lab Sample No: 23H233

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

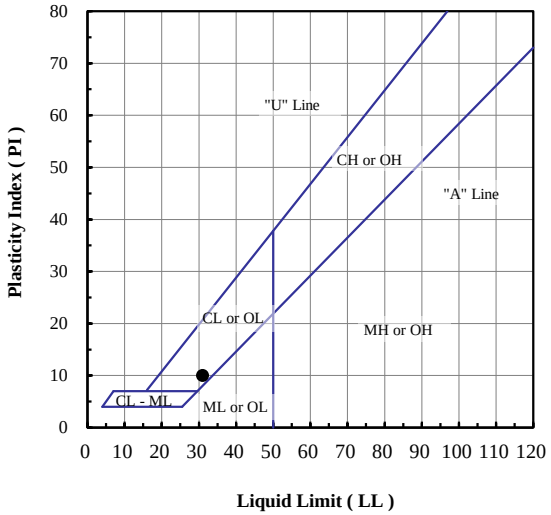


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	95
#4	4.75	90
#10	2.00	86
#20	0.850	83
#40	0.425	77
#60	0.250	68
#100	0.150	60
#140	0.106	54
#200	0.075	50

Hydrometer Particle Diameter (mm)	% Finer
0.0393	44
0.0205	39
0.0080	30
0.0030	22
0.0013	15

Gravel (%):	10
Sand (%):	40
Fines (%):	50
Silt (%):	32
Clay (%):	18

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.688

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-01 12-14'	23H233	20.2	50	31	21	10	CL - Sandy lean clay

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.

12-23-2023
Approved By: NSR

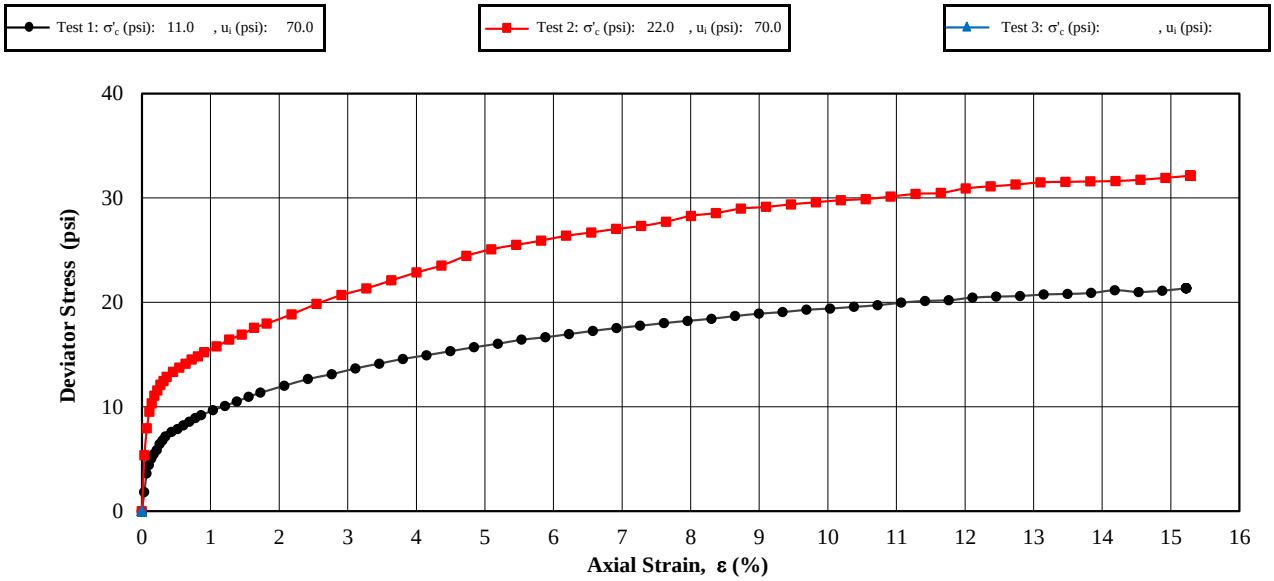
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Tel: (770) 910 7537, www.excelgeotesting.com

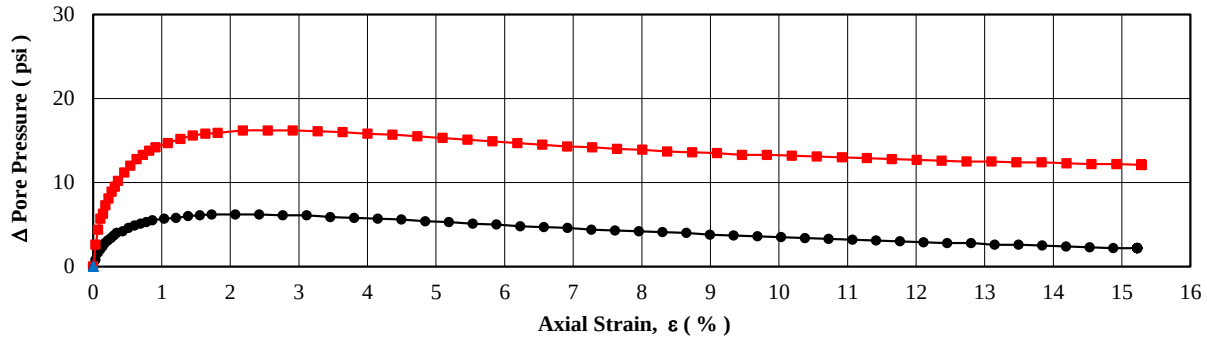
Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-01 12-14'
Lab Sample No:	23H233
Sample Type:	Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 1





Test Specimen No.	Maximum Strength: Deviator Stress ($\sigma'_1 - \sigma'_3$) (psi)	Effective Axial Stress (σ'_1) (psi)	Effective Radial Stress (σ'_3) (psi)	Pore Pressure (u) (psi)	Axial Strain (ε_a) (%)
1	21.4	30.2	8.8	72.2	15.2
2	32.1	42.0	9.9	82.1	15.3

Test Specimen No.	Strength at App. 15% Axial Strain: Deviator Stress ($\sigma'_1 - \sigma'_3$) (psi)	Effective Axial Stress (σ'_1) (psi)	Effective Radial Stress (σ'_3) (psi)	Pore Pressure (u) (psi)	Axial Strain (ε_a) (%)
1	21.4	30.2	8.8	72.2	15.2
2	32.1	42.0	9.9	82.1	15.3

Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

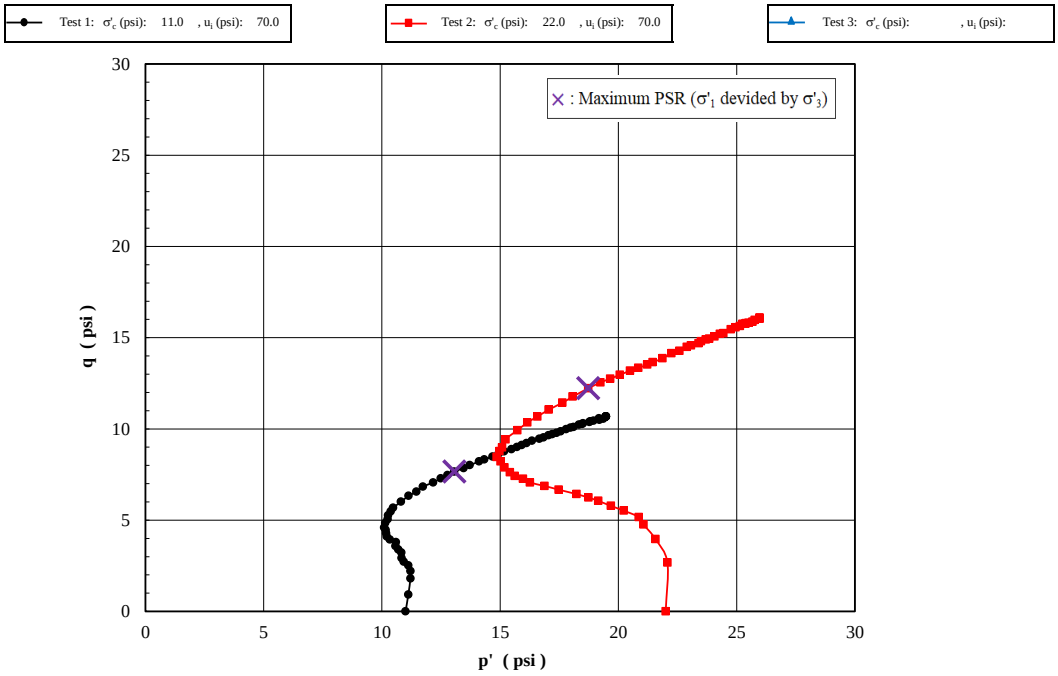
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Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-01 12-14'
Lab Sample No: 23H233
Sample Type: Shelby Tube Cut

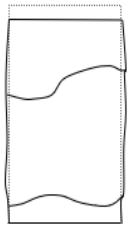
ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

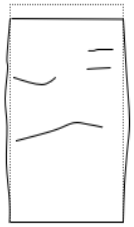
Figure 2



Test Specimen Number (-)	Specimen Quality Bad to Good (1 to 10)	Initial Conditions: Height (in .)	Diameter (in.)	Moisture Content (%)	Dry Unit Weight (pcf)	B Parameter (-)	Initial Pore Pressure (u_i) (psi)	Consolidation Pressure (σ'_c) (psi)	Consolidation Stage: Axial Strain (%)	Volumetric Strain (%)	Loading: Axial Rate (% / min)
1	5	5.83	2.84	20.5	111.8	0.99	70.0	11.0	0.87	4.33	0.034
2	4	5.58	2.80	19.9	111.9	0.99	70.0	22.0	1.58	4.78	0.036



Specimen No.1
Light brown sandy silty clay



Specimen No. 2
Light brown sandy silty clay

Specimen No. 3

Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-01 12-14'
Lab Sample No:	23H233
Sample Type:	Shelby Tube Cut

ASTM D4767

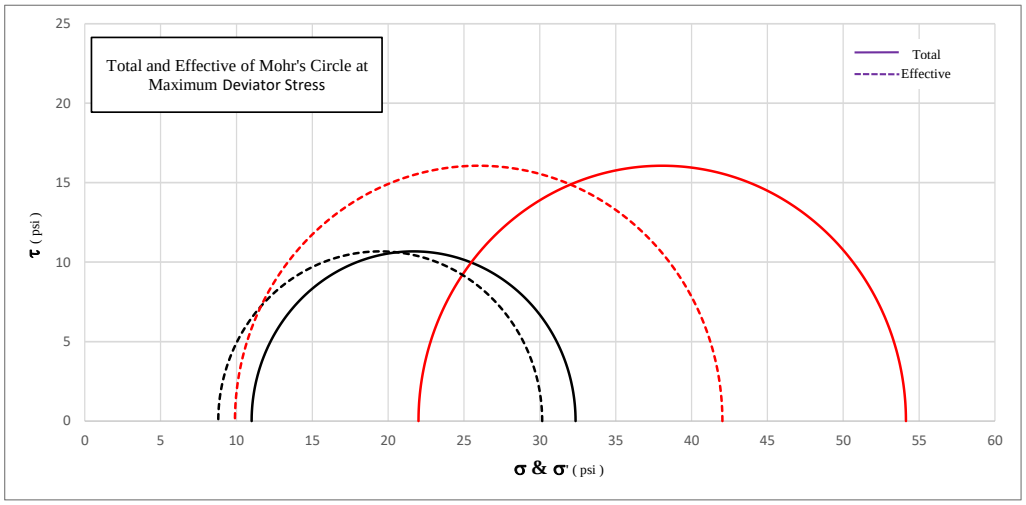
CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

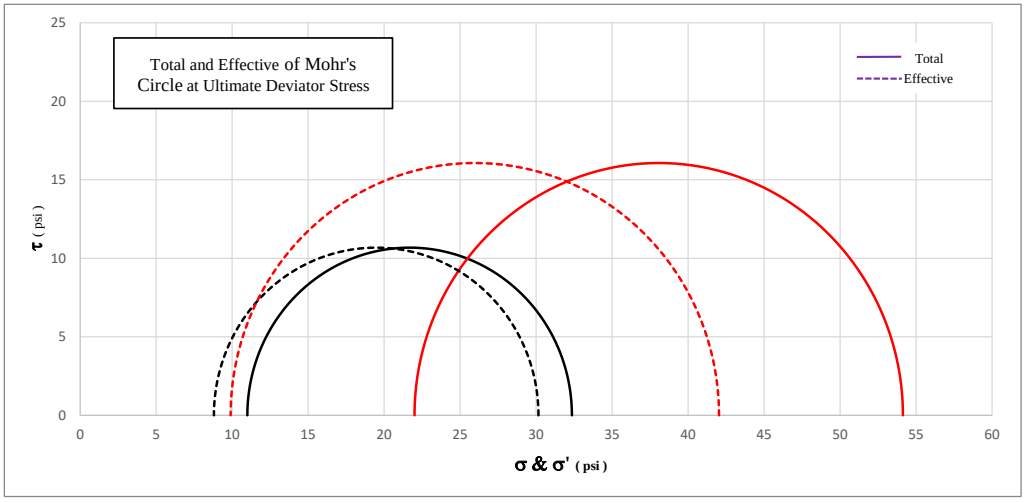
Figure 3

Test 1: σ'_c (psi): 11.0 , u_i (psi): 70.0

Test 2: σ'_c (psi): 22.0 , u_i (psi): 70.0

Test 3: σ'_c (psi): , u_i (psi):





12-23-2023
Approved By: NSR

Note(s):

σ'_c = Consolidation pressure, (psi)

u_i = Initial pore pressure,(psi)

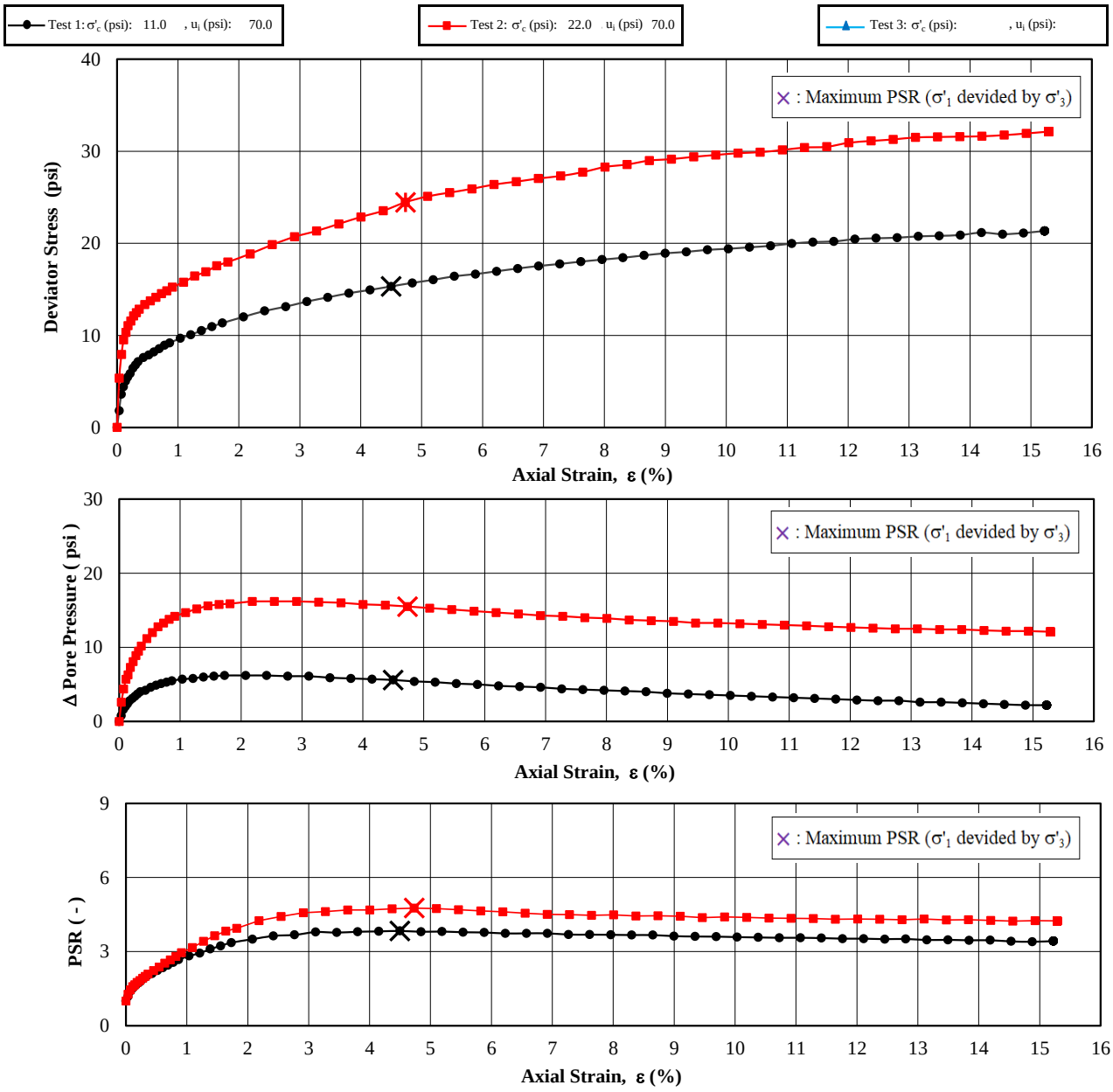
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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-01 12-14'
Lab Sample No: 23H233
Sample Type: Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 4



Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-01 12-14'
Lab Sample No:	23H233
Sample Type:	Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Pictures

(a)



Specimen No. 1
Light brown sandy silty clay



(b)

(a)



Specimen No. 2
Light brown sandy silty clay



(b)

(a)

BLANK

Specimen No. 3

BLANK

(b)

Notes: (a) after shear / specimen removed from the membrane
(b) specimen after shear / specimen split open

12-23-2023
Approved By: NSR

GTB-02

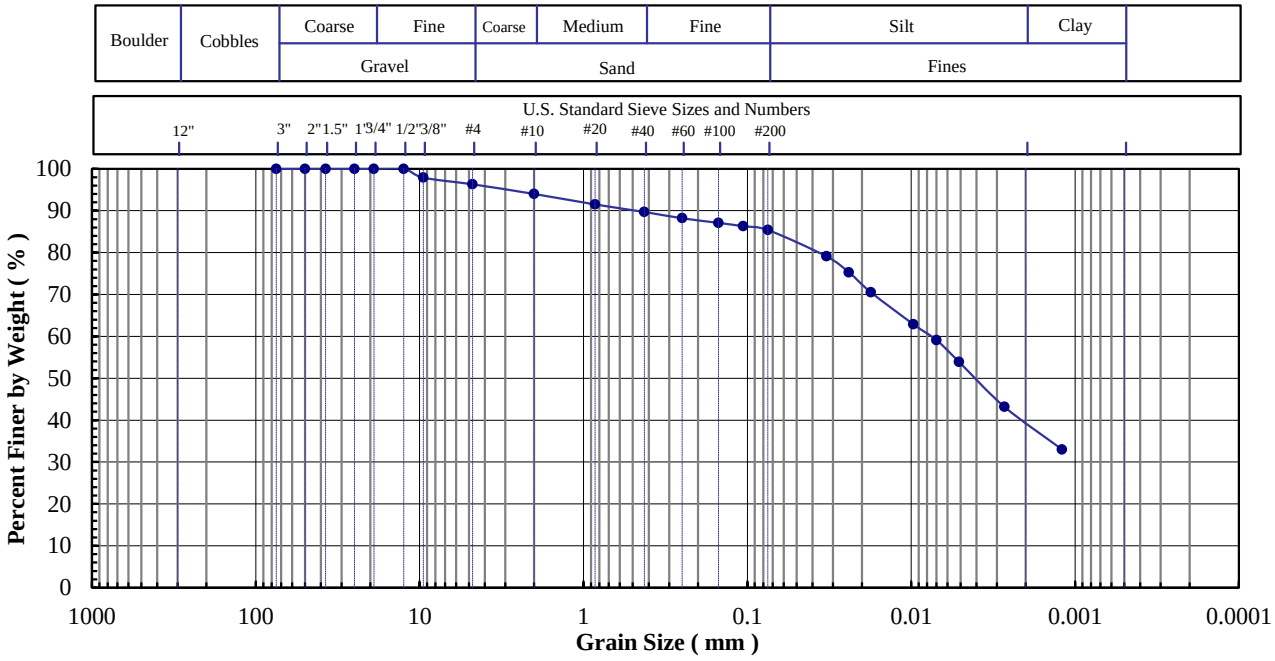
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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-02 6-8'
Lab Sample No: 23H235

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

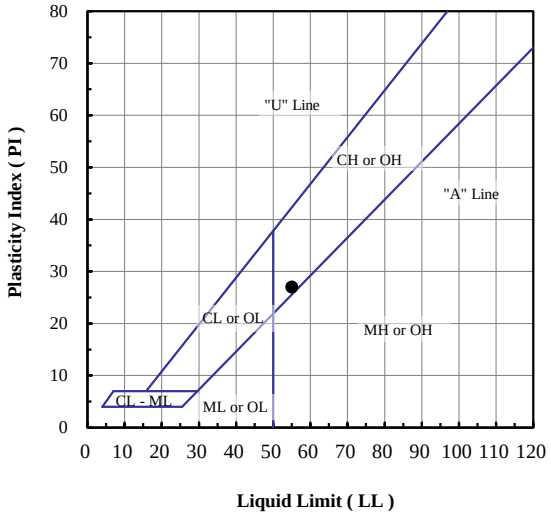


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	98
#4	4.75	96
#10	2.00	94
#20	0.850	92
#40	0.425	90
#60	0.250	88
#100	0.150	87
#140	0.106	86
#200	0.075	85

Hydrometer Particle Diameter (mm)	% Finer
0.0329	79
0.0176	71
0.0070	59
0.0027	43
0.0012	33

Gravel (%):	4
Sand (%):	11
Fines (%):	85
Silt (%):	47
Clay (%):	38

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-02 6-8'	23H235	29.4	85	55	28	27	CH - Fat clay with sand

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

12-23-2023
Approved By: NSR

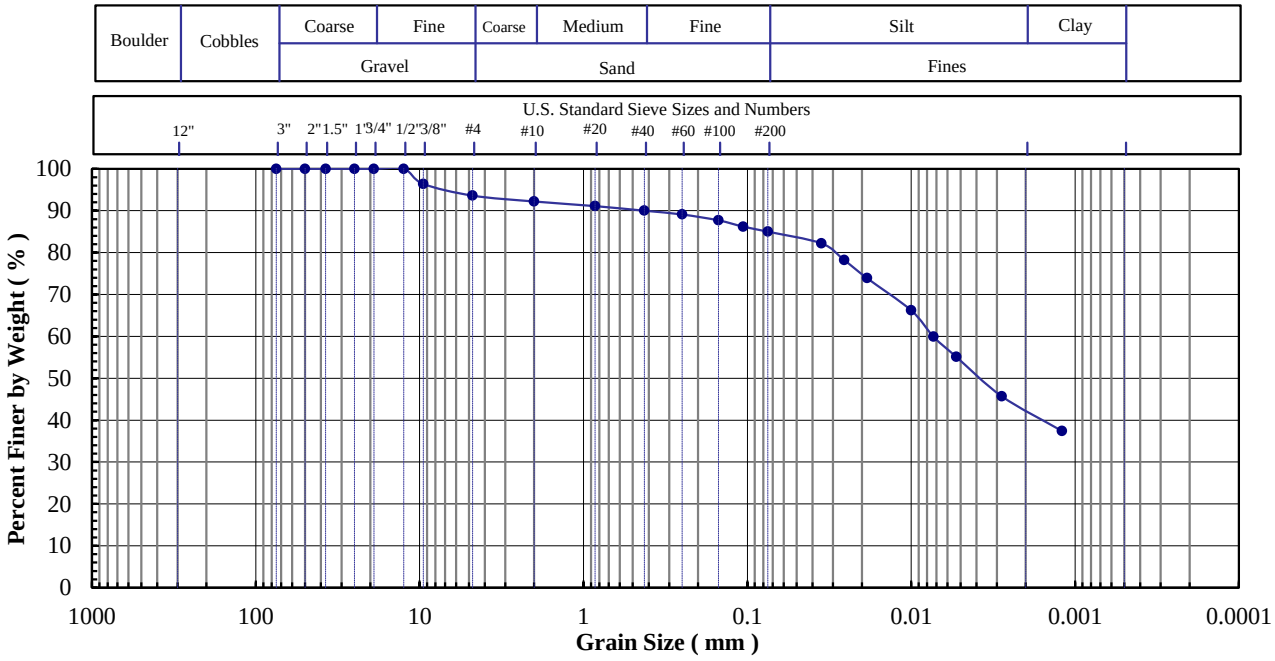
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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-02 8-10'
Lab Sample No: 23H236

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

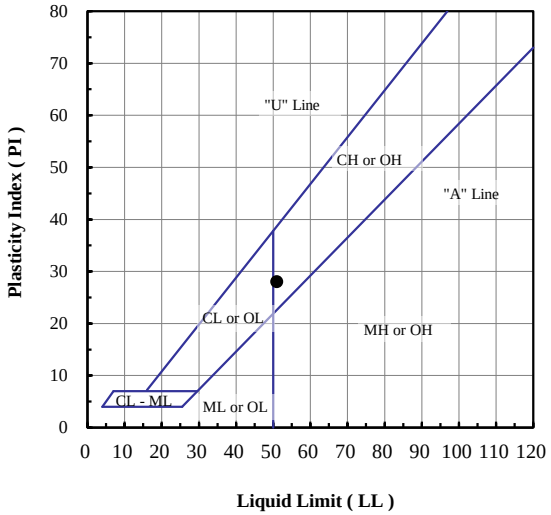


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	96
#4	4.75	94
#10	2.00	92
#20	0.850	91
#40	0.425	90
#60	0.250	89
#100	0.150	88
#140	0.106	86
#200	0.075	85

Hydrometer Particle Diameter (mm)	% Finer
0.0353	82.2
0.0186	73.9
0.0073	59.9
0.0028	45.7
0.0012	37.4

Gravel (%):	6
Sand (%):	9
Fines (%):	85
Silt (%):	43
Clay (%):	42

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.812

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-02 8-10'	23H236	28.6	85	51	23	28	CH - Fat clay with sand

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.

01-02-2024
Approved By: NSR

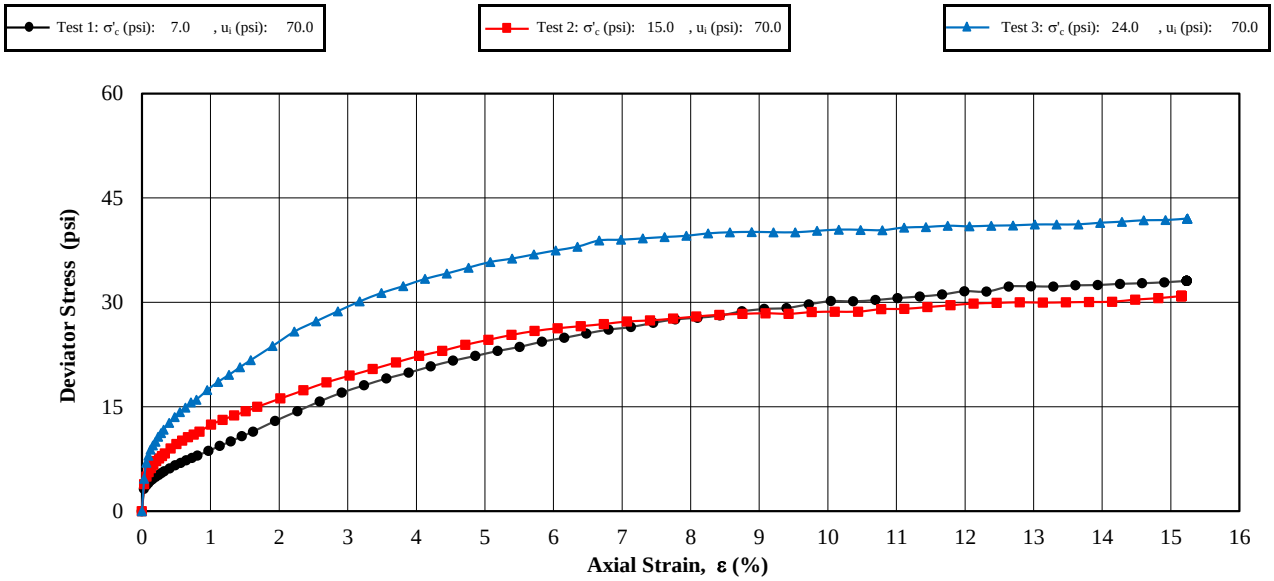
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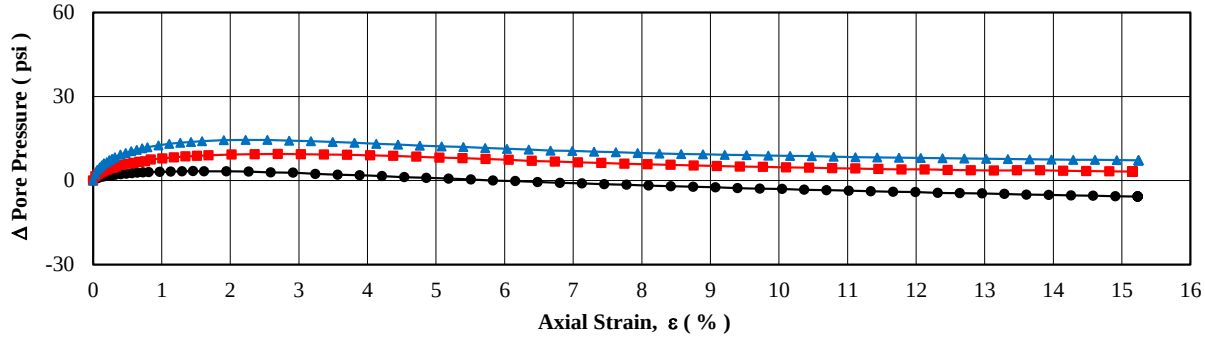
Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-02 8-10'
Lab Sample No:	23H236
Sample Type:	Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 1





Test Specimen No.	Maximum Strength				
	Deviator Stress ($\sigma'_1 - \sigma'_3$) (psi)	Effective Axial Stress (σ'_1) (psi)	Effective Radial Stress (σ'_3) (psi)	Pore Pressure (u) (psi)	Axial Strain (ε_a) (%)
1	33.1	45.8	12.7	64.3	15.2
2	30.9	42.7	11.8	73.2	15.2
3	42.1	58.9	16.8	77.2	15.2

Test Specimen No.	Strength at App. 15% Axial Strain				
	Deviator Stress ($\sigma'_1 - \sigma'_3$) (psi)	Effective Axial Stress (σ'_1) (psi)	Effective Radial Stress (σ'_3) (psi)	Pore Pressure (u) (psi)	Axial Strain (ε_a) (%)
1	33.1	45.8	12.7	64.3	15.2
2	30.9	42.7	11.8	73.2	15.2
3	42.1	58.9	16.8	77.2	15.2

Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

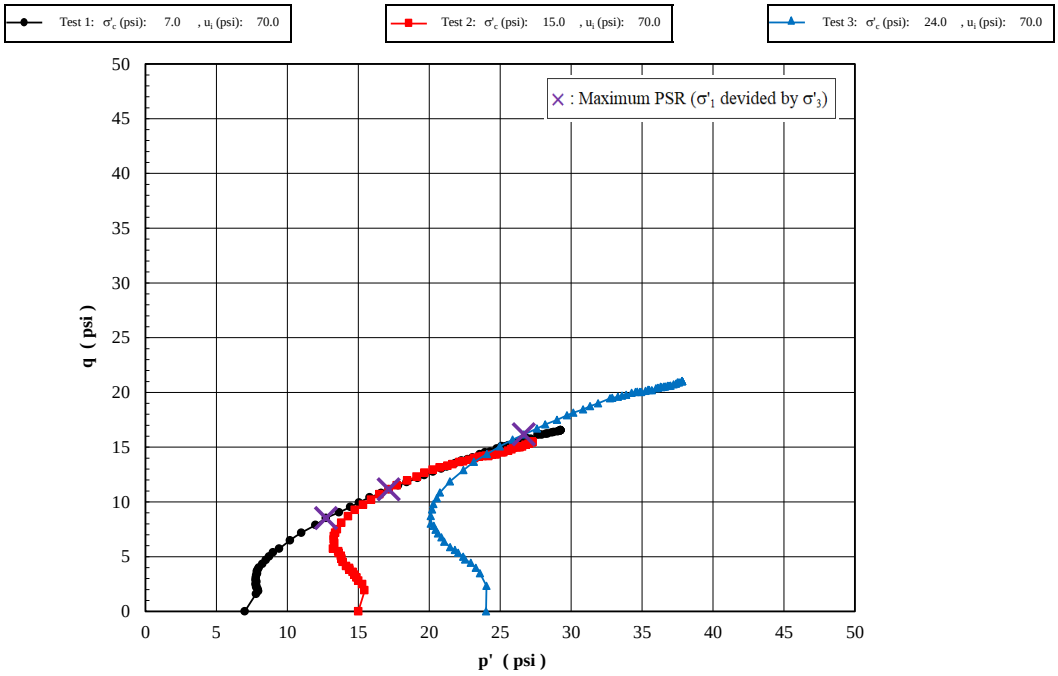
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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-02 8-10'
Lab Sample No: 23H236
Sample Type: Shelby Tube Cut

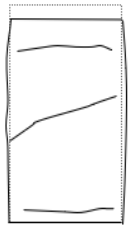
ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 2



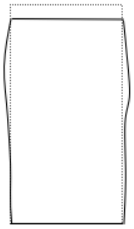
Test Specimen Number (-)	Specimen Quality Bad to Good (1 to 10)	Initial Conditions							Consolidation Stage		Loading
		Height (in .)	Diameter (in.)	Moisture Content (%)	Dry Unit Weight (pcf)	B Parameter (-)	Initial Pore Pressure (u_i) (psi)	Consolidation Pressure (σ'_c) (psi)	Axial Strain (%)	Volumetric Strain (%)	Axial Rate (% / min)
1	7	6.21	2.74	27.0	96.7	0.98	70.0	7.0	0.68	2.47	0.048
2	6	6.00	2.75	27.3	96.3	0.99	70.0	15.0	1.07	3.87	0.050
3	6	6.39	2.74	31.3	90.4	0.10	70.0	24.0	1.50	6.14	0.047



Specimen No.1
Golden brown, dark golden brown sandy silty clay



Specimen No. 2
Golden brown, dark golden brown sandy silty clay



Specimen No. 3
Golden brown, dark golden brown sandy silty clay

Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-02 8-10'
Lab Sample No:	23H236
Sample Type:	Shelby Tube Cut

ASTM D4767

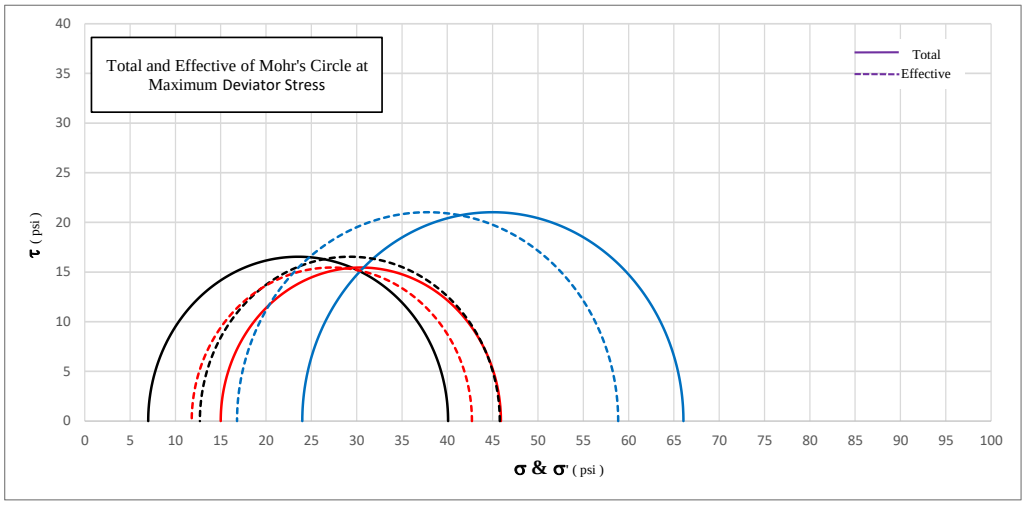
CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

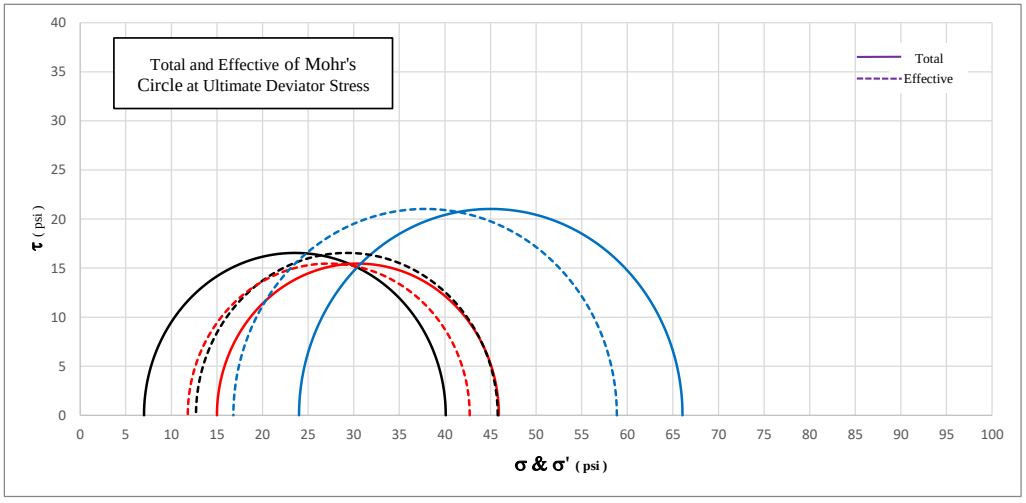
Figure 3

Test 1: σ'_c (psi): 7.0 , u_i (psi): 70.0

Test 2: σ'_c (psi): 15.0 , u_i (psi): 70.0

Test 3: σ'_c (psi): 24.0 , u_i (psi): 70.0





12-23-2023
Approved By: NSR

Note(s):

σ'_c = Consolidation pressure, (psi)

u_i = Initial pore pressure,(psi)

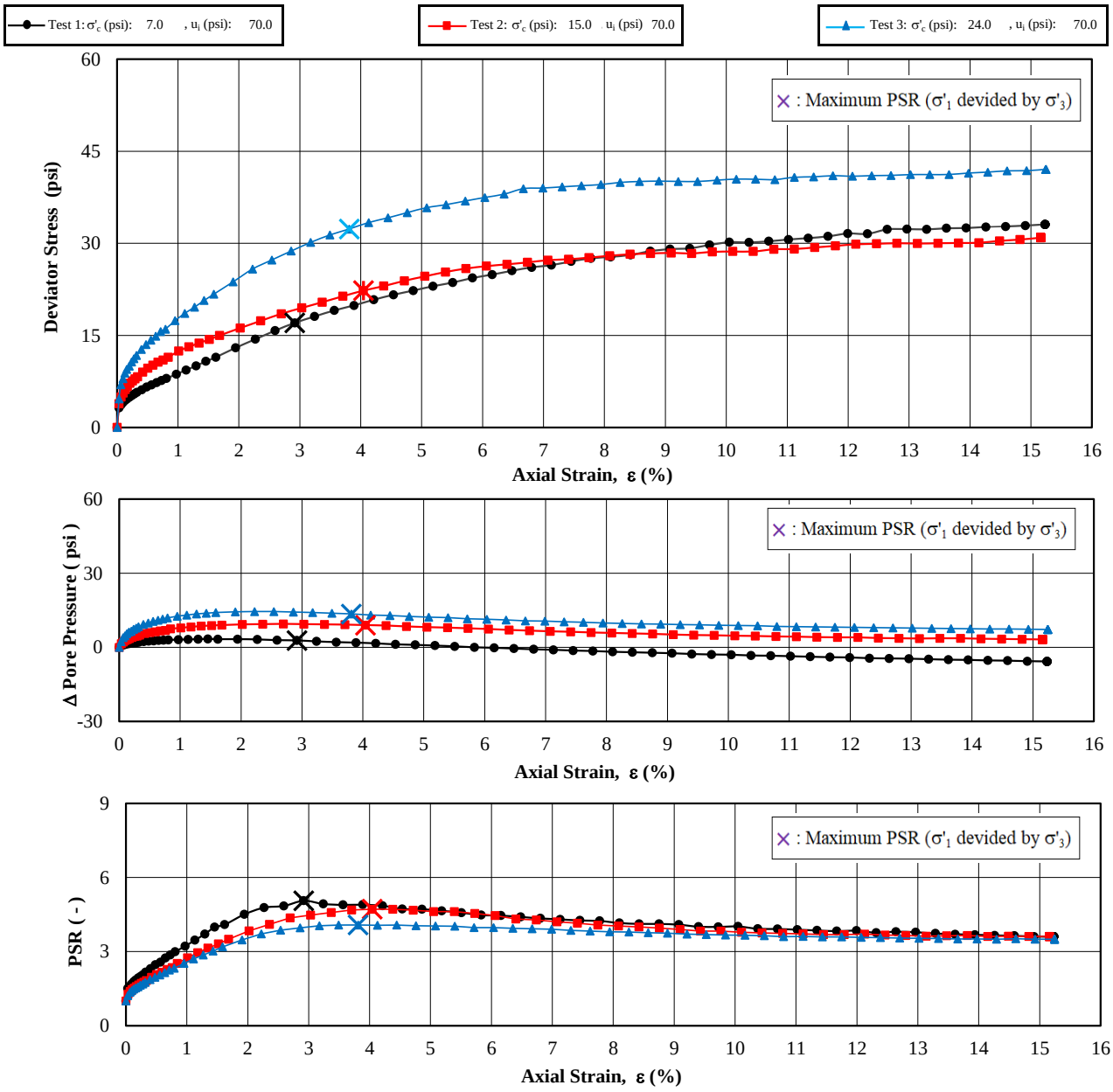
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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-02 8-10'
Lab Sample No: 23H236
Sample Type: Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 4



Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Tel: (770) 910 7537, www.excelgeotesting.com

Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-02 8-10'
Lab Sample No:	23H236
Sample Type:	Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Pictures

(a)



Specimen No. 1
Golden brown, dark golden brown
sandy silty clay

(b)



(a)



Specimen No. 2
Golden brown, dark golden brown
sandy silty clay

(b)



(a)

IMAGE
NOT
OBTAINED

Specimen No. 3
Golden brown, dark golden brown
sandy silty clay

(b)

IMAGE
NOT
OBTAINED

Notes: (a) after shear / specimen removed from the membrane
(b) specimen after shear / specimen split open

12-23-2023
Approved By: NSR

GTB-03

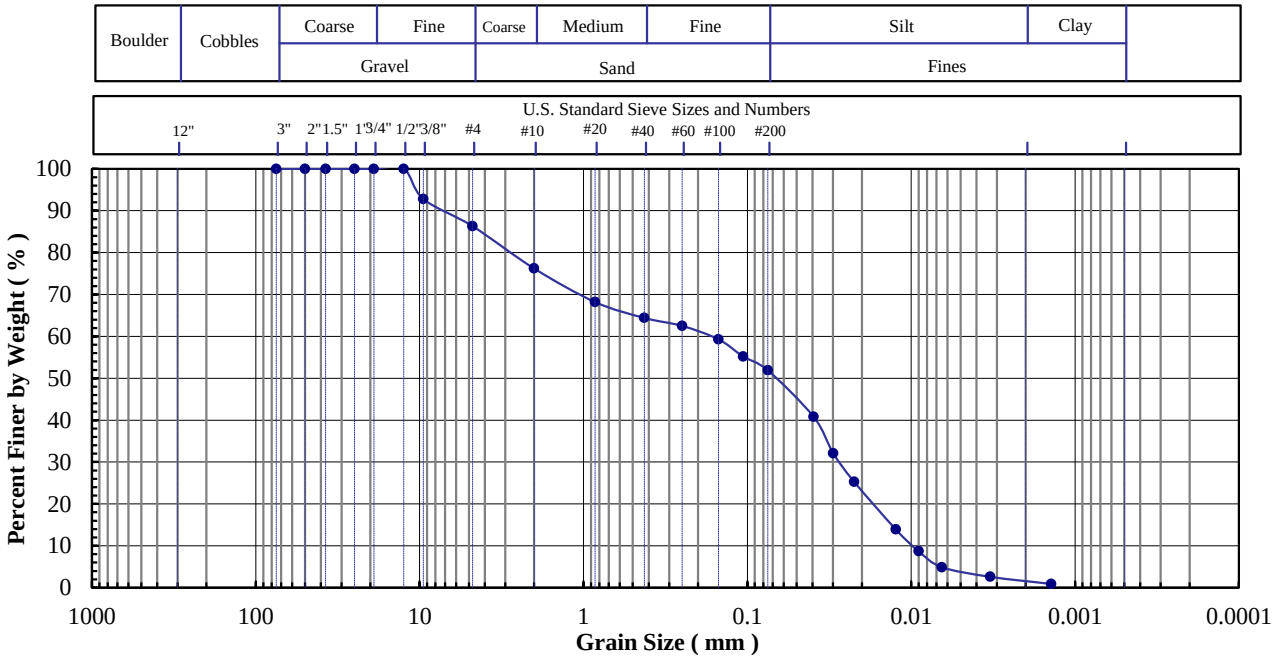
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-02 12-14'
Lab Sample No: 23H237

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

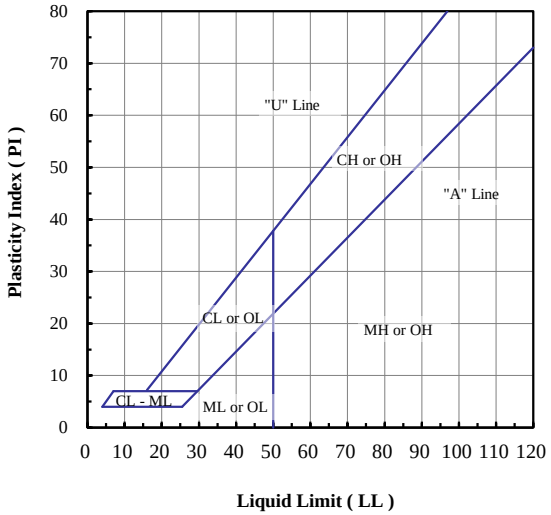


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	93
#4	4.75	86
#10	2.00	76
#20	0.850	68
#40	0.425	64
#60	0.250	63
#100	0.150	59
#140	0.106	55
#200	0.075	52

Hydrometer Particle Diameter (mm)	% Finer
0.0394	41
0.0223	25
0.0090	9
0.0033	3
0.0014	1

Gravel (%):	14
Sand (%):	34
Fines (%):	52
Silt (%):	51
Clay (%):	1

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-02 12-14'	23H237	7.9	52	NP	NP	NP	ML - Sandy silt

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

01-11-2024
Approved By: NSR

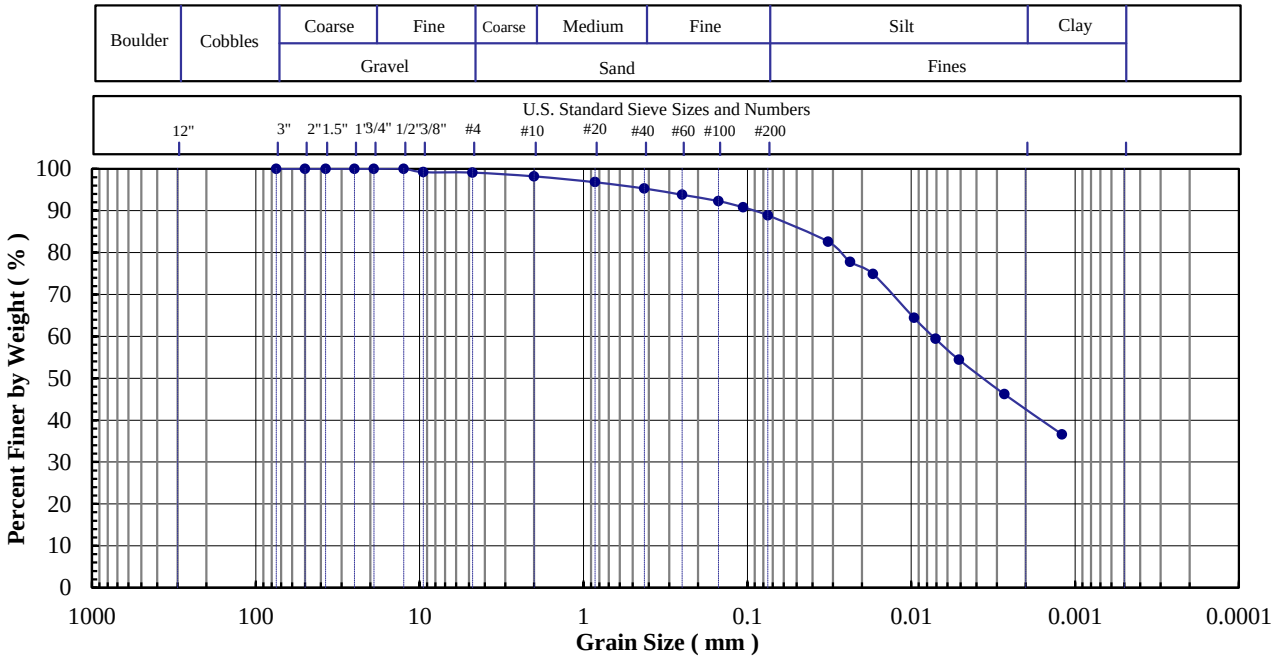
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-03 2-4'
Lab Sample No: 23H238

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

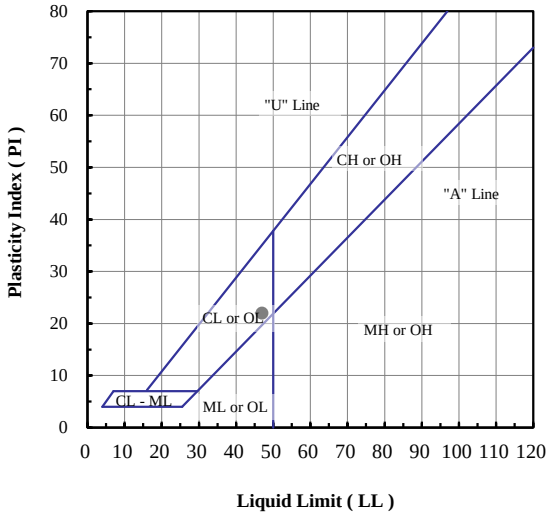


Sieve No.	Size (mm)	% Finer
3"	75	100.0
2"	50	100.0
1.5"	37.5	100.0
1"	25	100.0
3/4"	19	100.0
3/8"	9.5	99.2
#4	4.75	99.1
#10	2.00	98.2
#20	0.850	96.8
#40	0.425	95.3
#60	0.250	93.8
#100	0.150	92.3
#140	0.106	90.8
#200	0.075	88.9

Hydrometer Particle Diameter (mm)	% Finer
0.0321	82.6
0.0171	74.9
0.0071	59.4
0.0027	46.2
0.0012	36.6

Gravel (%):	0.9
Sand (%):	10.2
Fines (%):	88.9
Silt (%):	47.2
Clay (%):	41.7

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-03 2-4'	23H238	23.5	88.9	47	25	22	CL - Lean clay

Note(s): An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

11-06-2023
Approved By: NSR

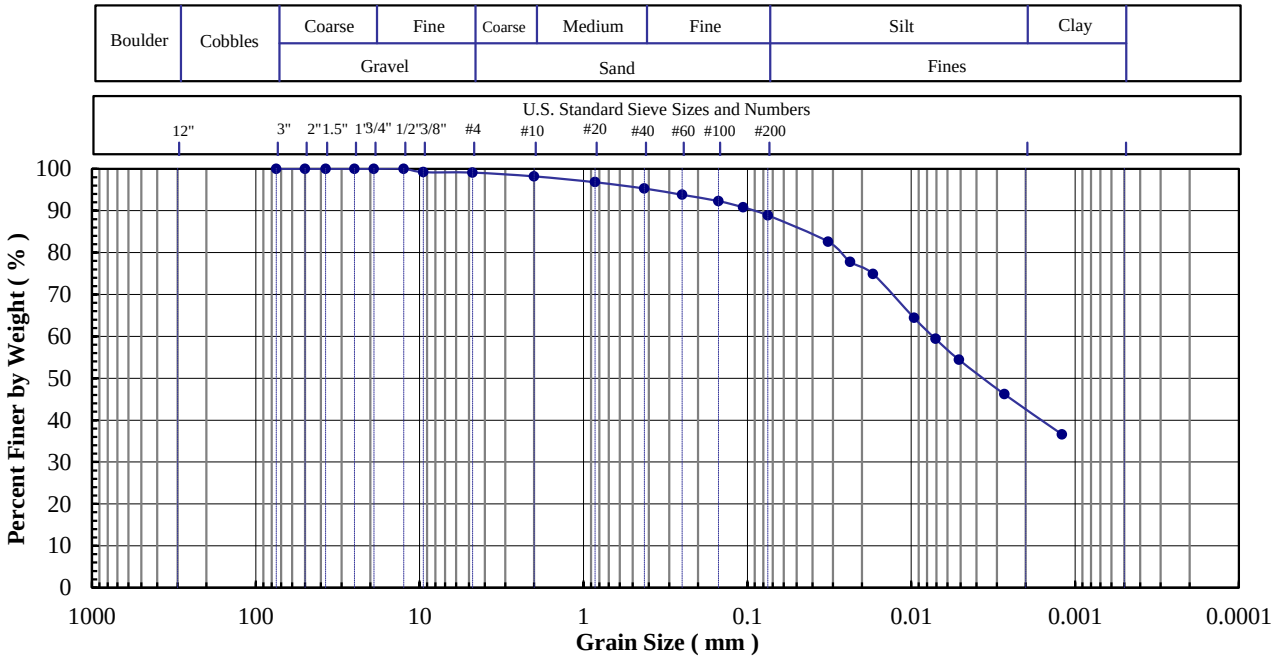
Excel Geotechnical Testing, Inc.
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-03 2-4'
Lab Sample No: 23H238

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

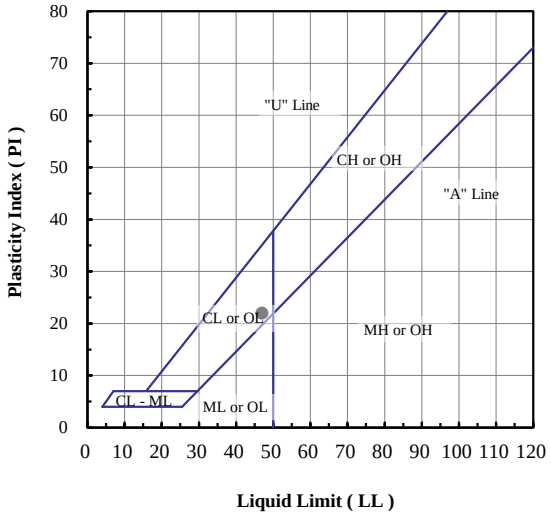


Sieve No.	Size (mm)	% Finer
3"	75	100.0
2"	50	100.0
1.5"	37.5	100.0
1"	25	100.0
3/4"	19	100.0
3/8"	9.5	99.2
#4	4.75	99.1
#10	2.00	98.2
#20	0.850	96.8
#40	0.425	95.3
#60	0.250	93.8
#100	0.150	92.3
#140	0.106	90.8
#200	0.075	88.9

Hydrometer Particle Diameter (mm)	% Finer
0.0321	82.6
0.0171	74.9
0.0071	59.4
0.0027	46.2
0.0012	36.6

Gravel (%):	0.9
Sand (%):	10.2
Fines (%):	88.9
Silt (%):	47.2
Clay (%):	41.7

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	4.7

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-03 2-4'	23H238	23.5	88.9	47	25	22	CL - Lean clay

Note(s): An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

01-11-2024
Approved By: NSR

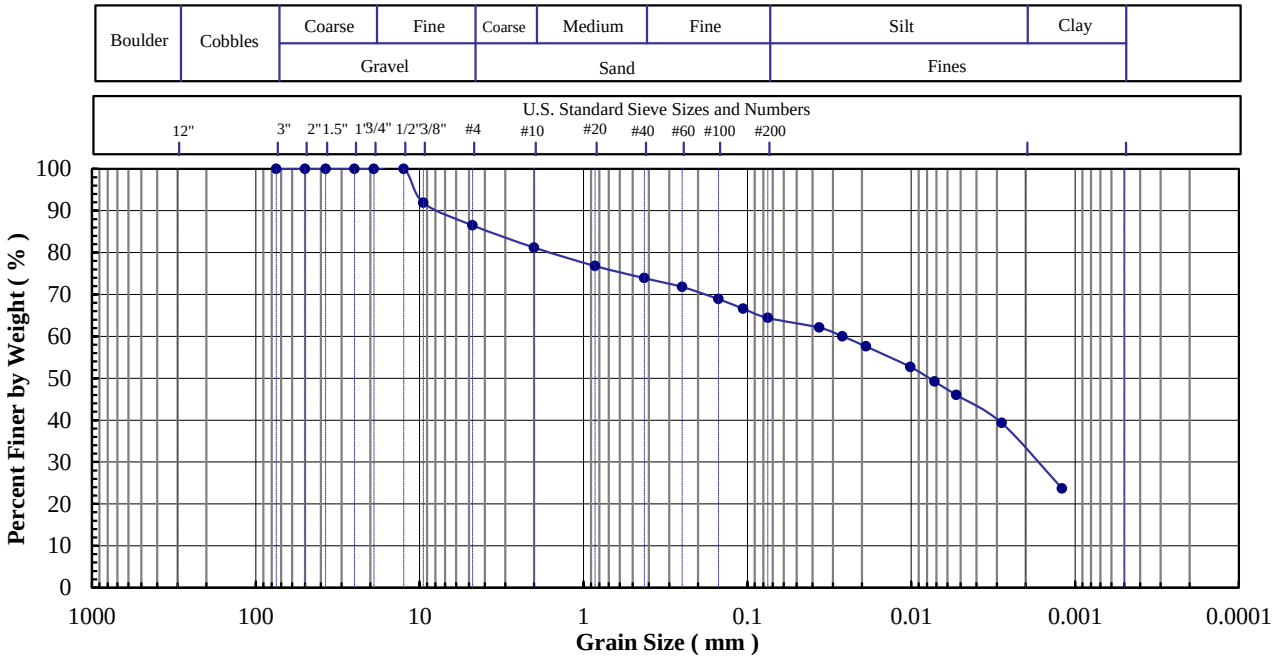
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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-03 4-6'
Lab Sample No: 23H239

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

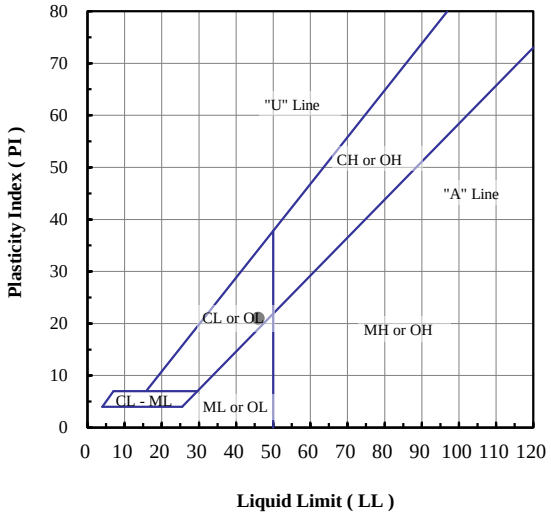


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	92
#4	4.75	87
#10	2.00	81
#20	0.850	77
#40	0.425	74
#60	0.250	72
#100	0.150	69
#140	0.106	67
#200	0.075	64

Hydrometer Particle Diameter (mm)	% Finer
0.0364	62
0.0189	58
0.0072	49
0.0028	39
0.0012	24

Gravel (%):	13
Sand (%):	23
Fines (%):	64
Silt (%):	32
Clay (%):	32

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.827

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-03 4-6'	23H239	29.1	64	46	25	21	CL - Sandy lean clay

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.

01-11-2024
Approved By: NSR

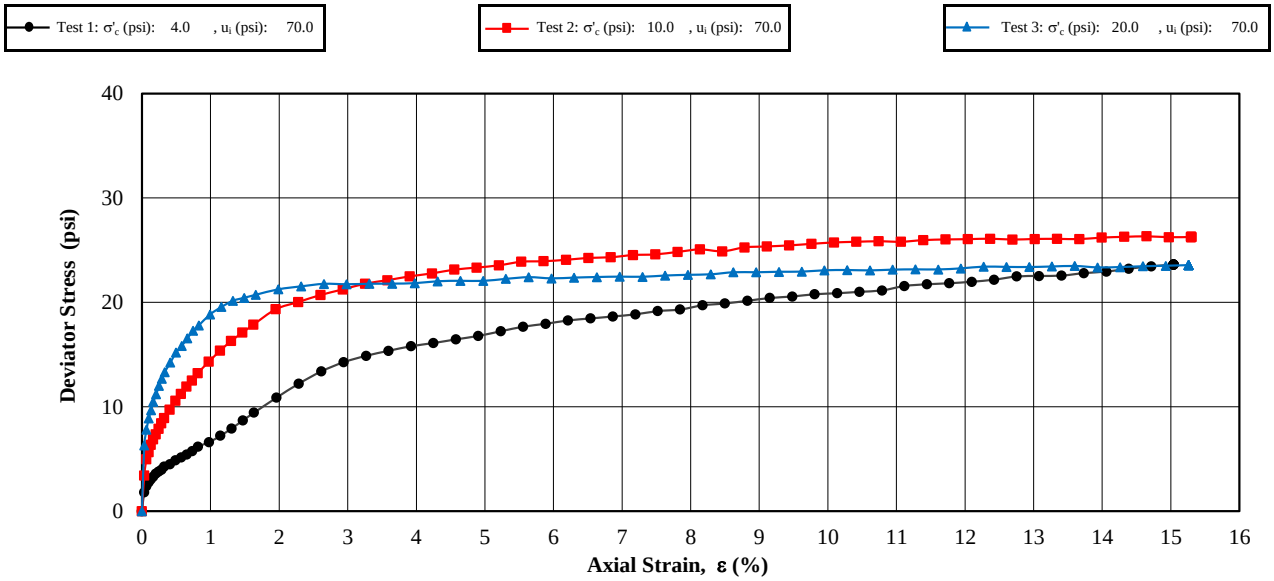
Excel Geotechnical Testing, Inc.
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

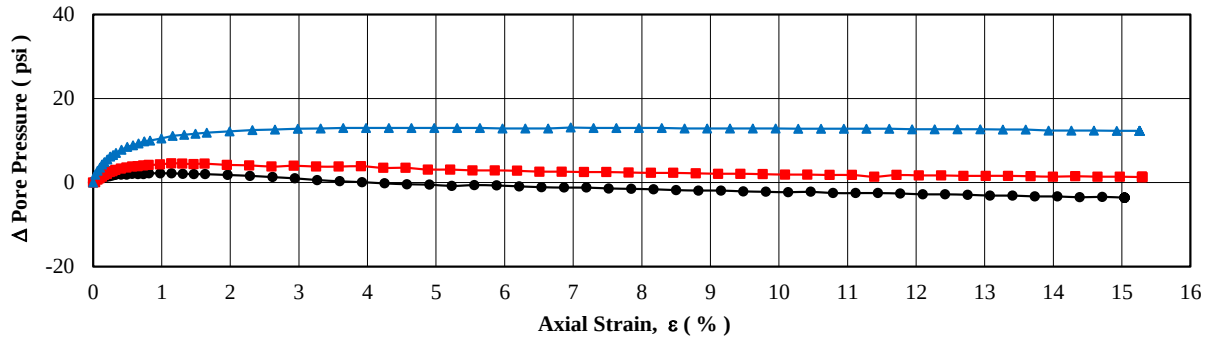
Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-03 4-6'
Lab Sample No:	23H239
Sample Type:	Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 1





Test Specimen No.	Maximum Strength: Deviator Stress (σ '1 - σ '3) (psi)	Effective Axial Stress (σ '1) (psi)	Effective Radial Stress (σ '3) (psi)	Pore Pressure (u) (psi)	Axial Strain (εa) (%)
1	23.6	31.2	7.6	66.4	15.0
2	26.3	34.9	8.6	71.4	14.6
3	23.6	31.3	7.7	82.3	15.3

Test Specimen No.	Strength at App. 15% Axial Strain: Deviator Stress (σ '1 - σ '3) (psi)	Effective Axial Stress (σ '1) (psi)	Effective Radial Stress (σ '3) (psi)	Pore Pressure (u) (psi)	Axial Strain (εa) (%)
1	23.6	31.2	7.6	66.4	15.0
2	26.3	35.0	8.7	71.3	15.3
3	23.6	31.3	7.7	82.3	15.3

Notes:

σ '$_c$ = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

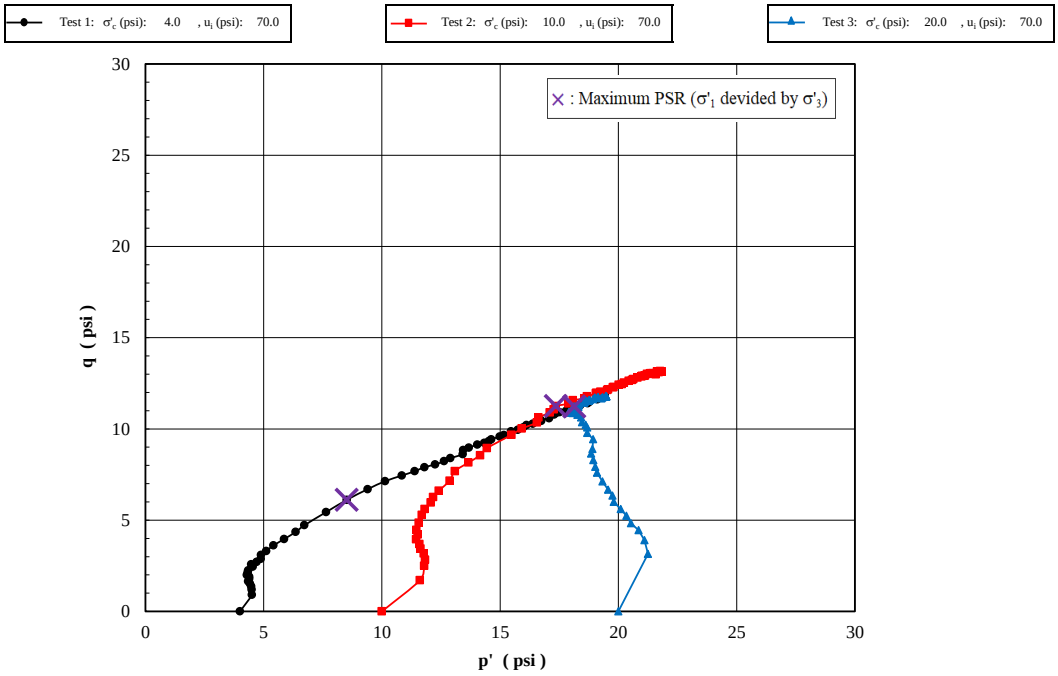
Excel Geotechnical Testing, Inc.
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-03 4-6'
Lab Sample No: 23H239
Sample Type: Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 2



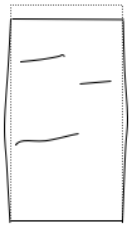
Test Specimen Number (-)	Specimen Quality Bad to Good (1 to 10)	Initial Conditions							Consolidation Stage		Loading
		Height (in .)	Diameter (in.)	Moisture Content (%)	Dry Unit Weight (pcf)	B Parameter (-)	Initial Pore Pressure (u_i) (psi)	Consolidation Pressure (σ'_c) (psi)	Axial Strain (%)	Volumetric Strain (%)	Axial Rate (% / min)
1	6	6.13	2.75	29.0	94.5	0.96	70.0	4.0	0.29	1.71	0.049
2	6	6.18	2.74	30.2	89.7	0.99	70.0	10.0	0.61	4.75	0.049
3	6	6.09	2.72	28.2	90.1	0.98	70.0	20.0	1.05	5.08	0.049



Specimen No.1
Dark brown, dark khaki brown sandy silty clay with some gravel



Specimen No. 2
Dark brown, dark khaki brown sandy silty clay with some gravel



Specimen No. 3
Dark brown, dark khaki brown sandy silty clay with some gravel

Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-03 4-6'
Lab Sample No: 23H239
Sample Type: Shelby Tube Cut

ASTM D4767

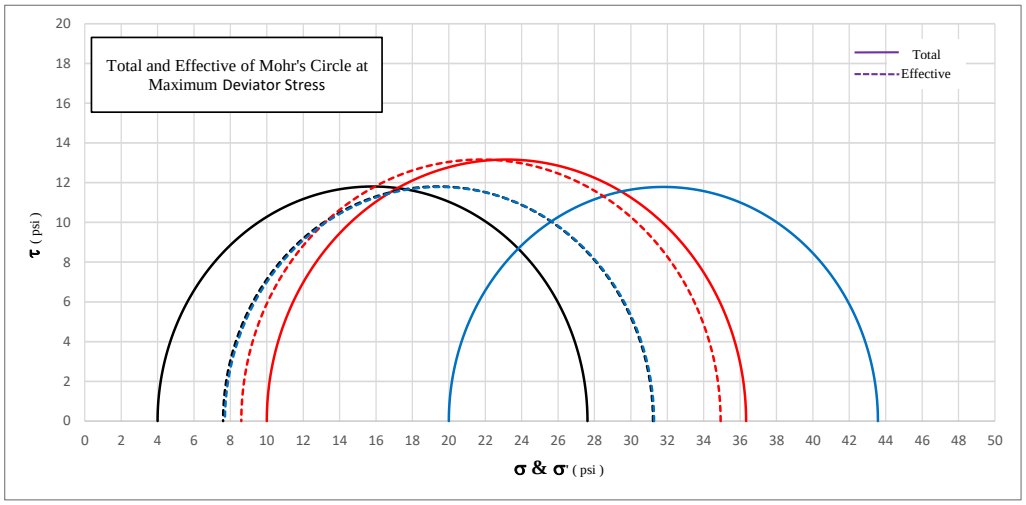
CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

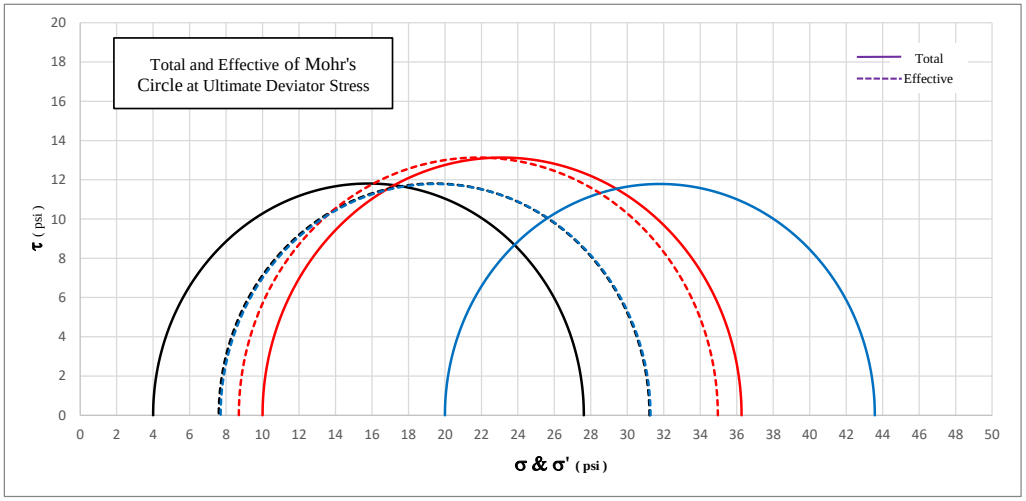
Figure 3

Test 1: σ'_c (psi): 4.0 , u_i (psi): 70.0

Test 2: σ'_c (psi): 10.0 , u_i (psi): 70.0

Test 3: σ'_c (psi): 20.0 , u_i (psi): 70.0





12-23-2023
Approved By: NSR

Note(s):

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

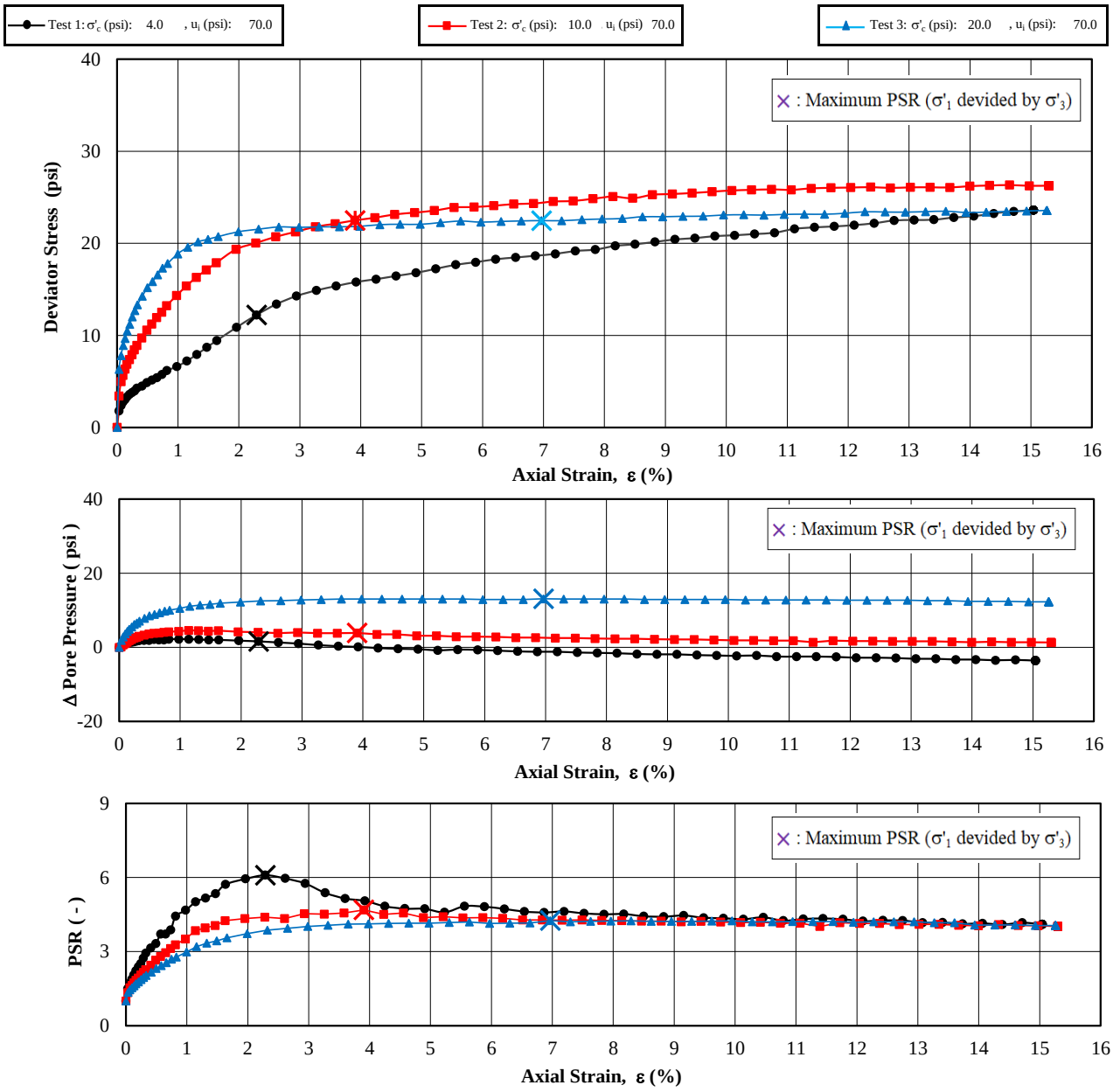
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-03 4-6'
Lab Sample No: 23H239
Sample Type: Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 4



Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Tel: (770) 910 7537, www.excelgeotesting.com

Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-03 4-6'
Lab Sample No:	23H239
Sample Type:	Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Pictures

(a)



Specimen No. 1
Dark brown, dark khaki brown sandy silty clay with some gravel



(b)

(a)



Specimen No. 2
Dark brown, dark khaki brown sandy silty clay with some gravel



(b)

(a)



Specimen No. 3
Dark brown, dark khaki brown sandy silty clay with some gravel



(b)

Notes: (a) after shear / specimen removed from the membrane
(b) specimen after shear / specimen split open

12-23-2023
Approved By: NSR

GTB-04

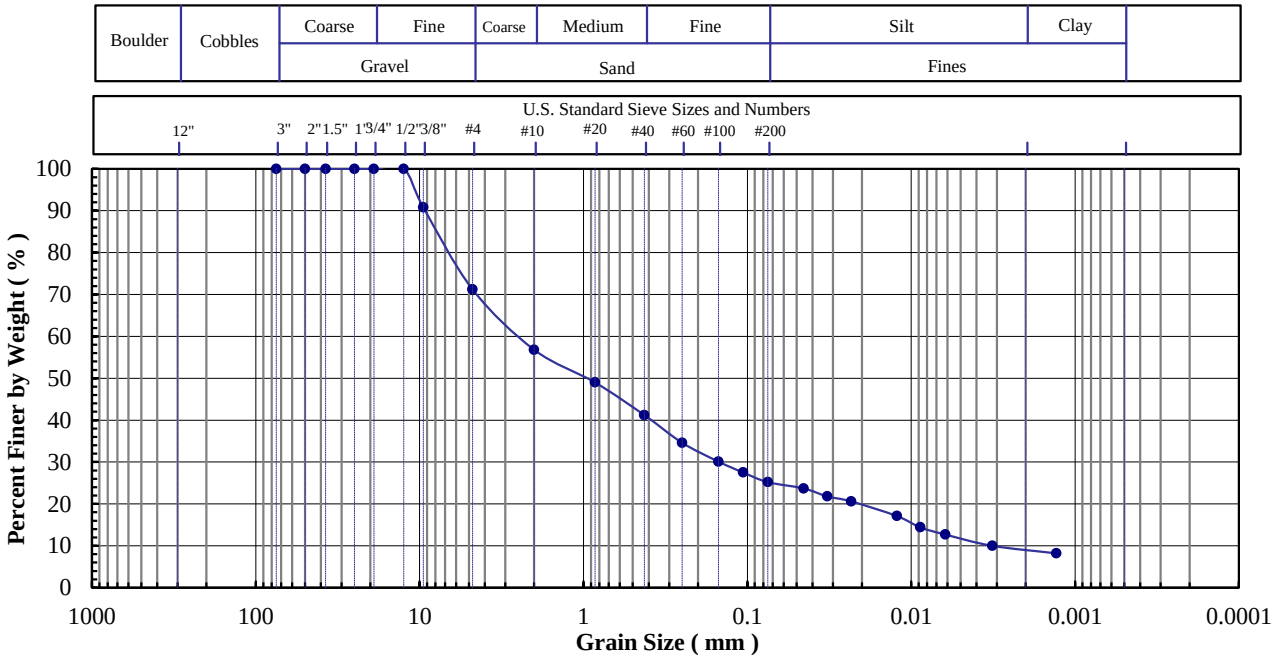
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-03 8-10'
Lab Sample No: 23H240

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

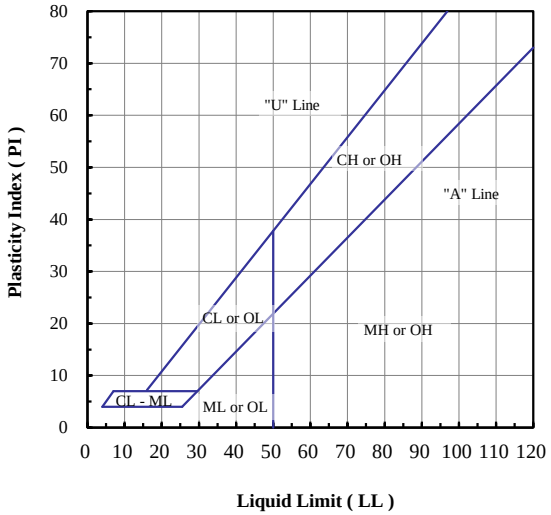


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	91
#4	4.75	71
#10	2.00	57
#20	0.850	49
#40	0.425	41
#60	0.250	35
#100	0.150	30
#140	0.106	28
#200	0.075	25

Hydrometer Particle Diameter (mm)	% Finer
0.0453	24
0.0232	21
0.0088	14
0.0032	10
0.0013	8

Gravel (%):	29
Sand (%):	46
Fines (%):	25
Silt (%):	16
Clay (%):	9

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	Atterberg Limits PL (-)	Atterberg Limits PI (-)	Engineering Classification
GTB-03 8-10'	23H240	13.7	25	NP	NP	NP	SM - Silty sand with gravel

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Engineering classification is based on the assumption that the fines are either ML or MH.
An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

12-23-2023
Approved By: NSR

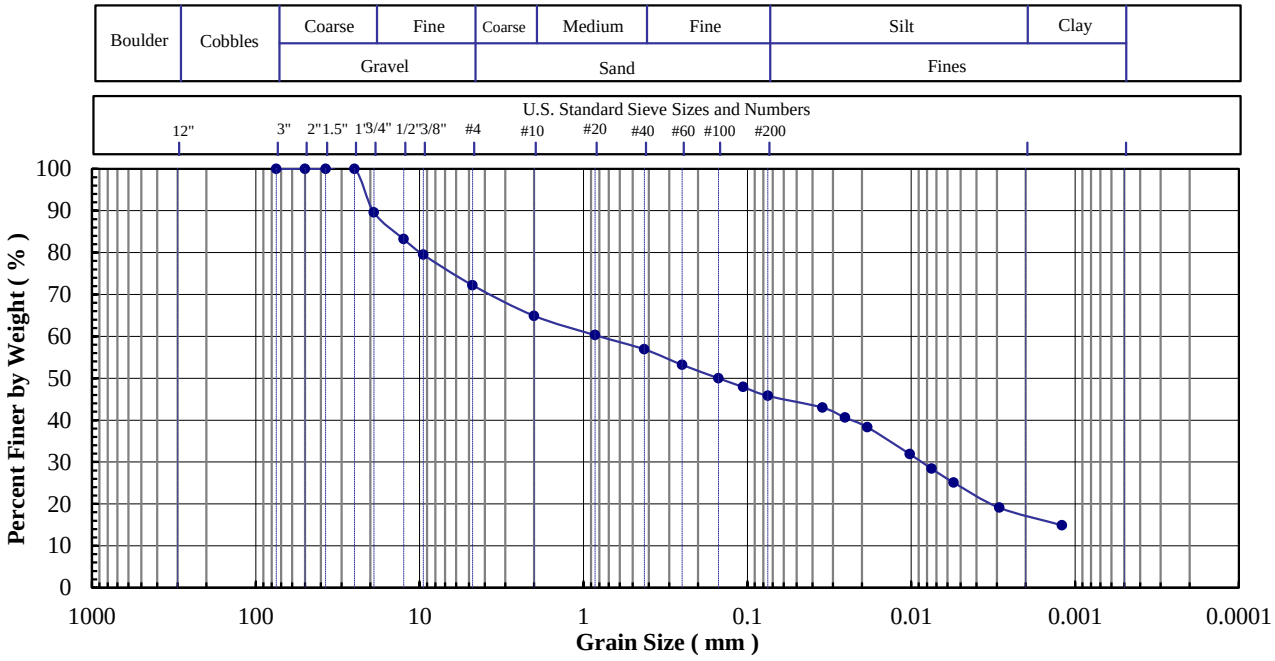
Excel Geotechnical Testing, Inc.
"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-03 12-14'
Lab Sample No: 23H241

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

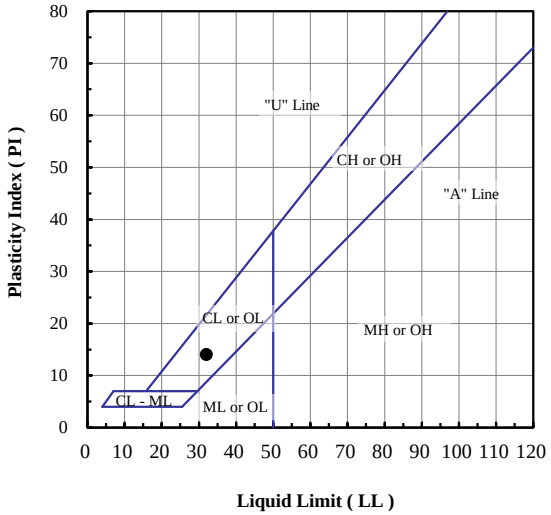


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	90
3/8"	9.5	80
#4	4.75	72
#10	2.00	65
#20	0.850	60
#40	0.425	57
#60	0.250	53
#100	0.150	50
#140	0.106	48
#200	0.075	46

Hydrometer Particle Diameter (mm)	% Finer
0.0348	43
0.0185	38
0.0075	28
0.0029	19
0.0012	15

Gravel (%):	28
Sand (%):	26
Fines (%):	46
Silt (%):	29
Clay (%):	17

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-03 12-14'	23H241	21.1	46	32	18	14	SC - Clayey sand with gravel

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.

An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

11-06-2023
Approved By: NSR

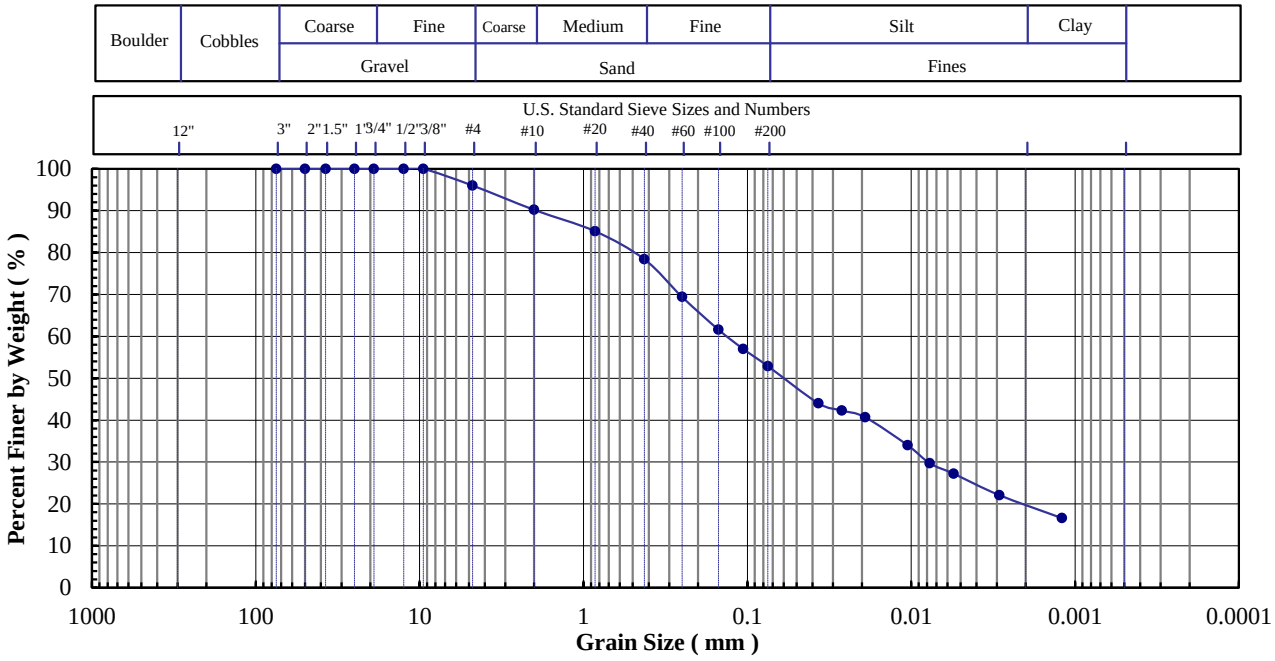
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"Excellence in Testing"
953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-04 2-4'
Lab Sample No: 23H242

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

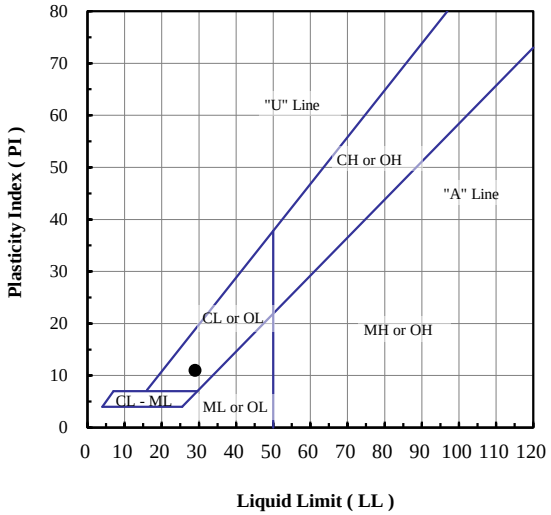


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	100
#4	4.75	96
#10	2.00	90
#20	0.850	85
#40	0.425	78
#60	0.250	69
#100	0.150	62
#140	0.106	57
#200	0.075	53

Hydrometer Particle Diameter (mm)	% Finer
0.0368	44
0.0191	41
0.0077	30
0.0029	22
0.0012	17

Gravel (%):	4
Sand (%):	43
Fines (%):	53
Silt (%):	34
Clay (%):	19

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-04 2-4'	23H242	15.1	53	29	18	11	CL - Sandy lean clay

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.
An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

11-06-2023
Approved By: NSR

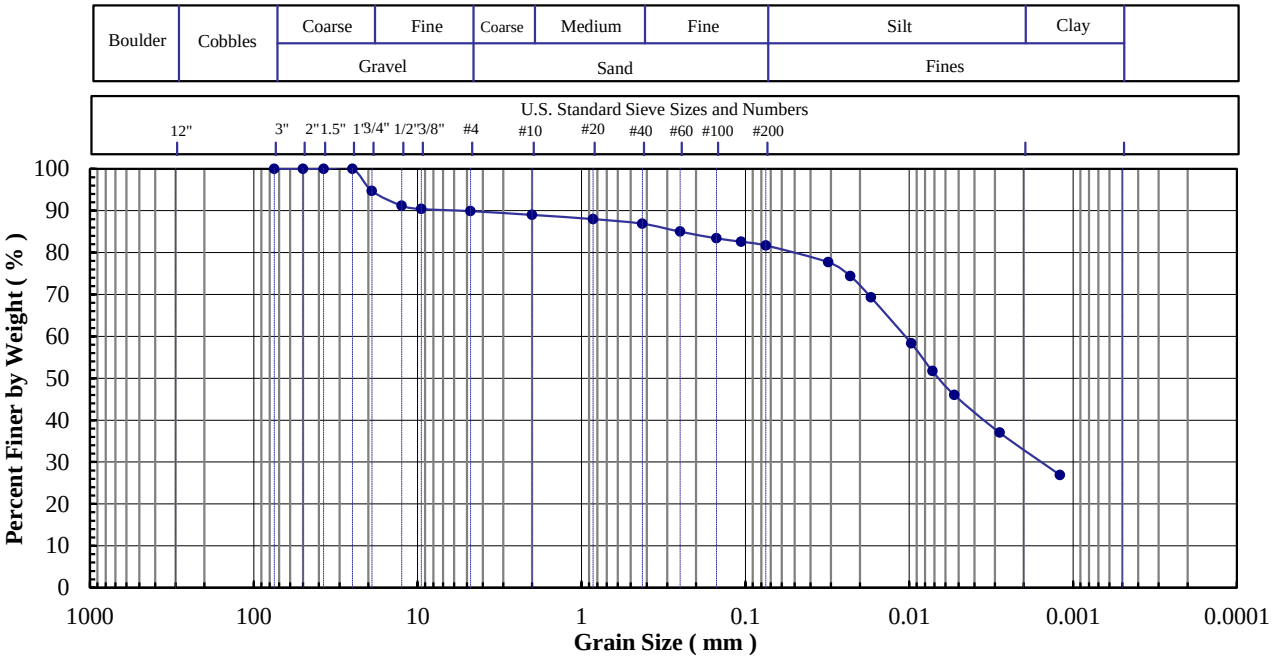
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-04 6-8'
Lab Sample No: 23H243

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

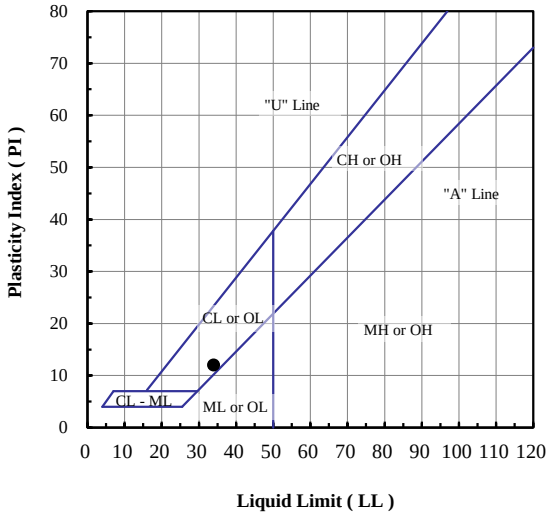


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	95
3/8"	9.5	90
#4	4.75	90
#10	2.00	89
#20	0.850	88
#40	0.425	87
#60	0.250	85
#100	0.150	83
#140	0.106	83
#200	0.075	82

Hydrometer Particle Diameter (mm)	% Finer
0.0312	78
0.0171	69
0.0072	52
0.0028	37
0.0012	27

Gravel (%):	10
Sand (%):	8
Fines (%):	82
Silt (%):	50
Clay (%):	32

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-04 6-8'	23H243	26.0	82	34	22	12	CL - Lean clay with gravel

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.
An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

12-23-2023
Approved By: NSR

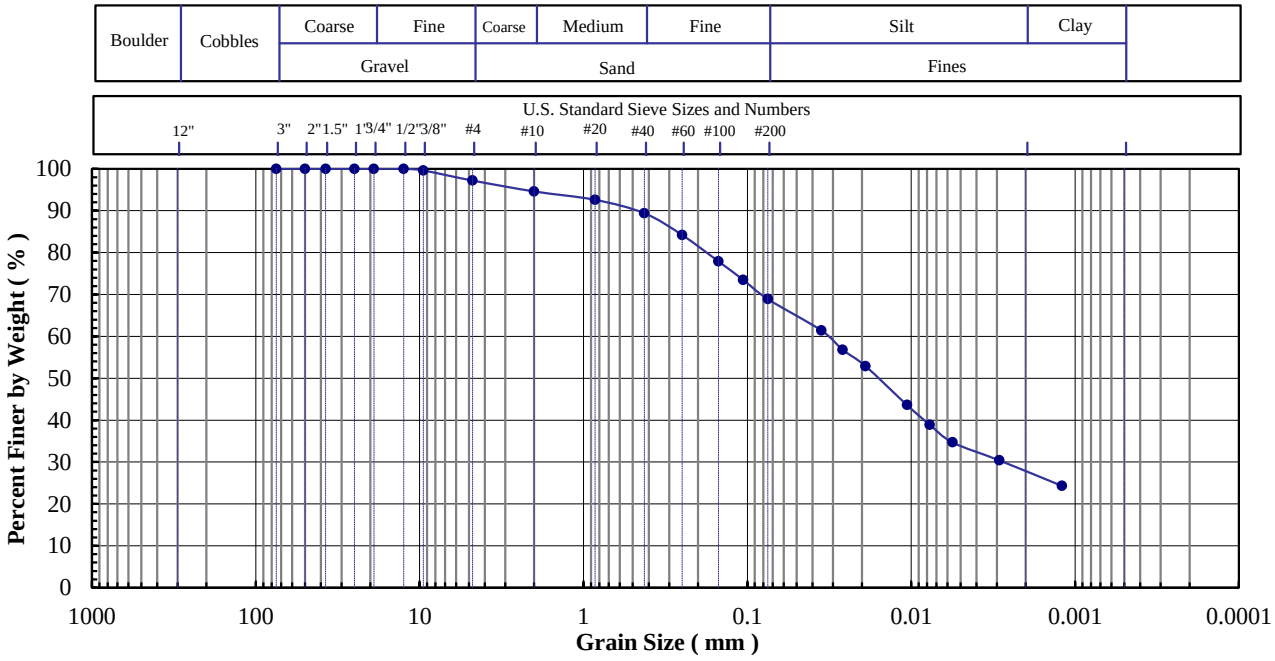
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-04 10-12'
Lab Sample No: 23H244

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

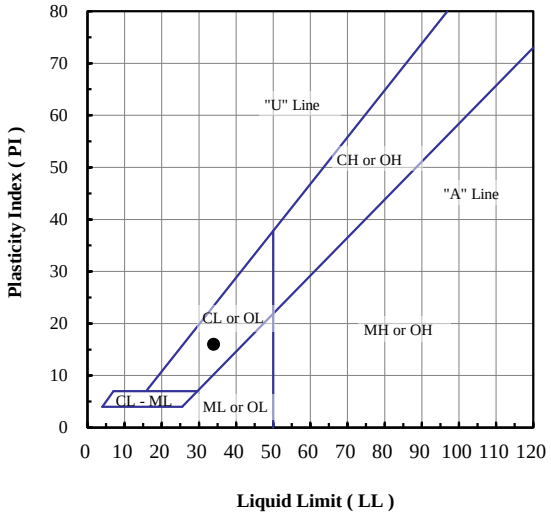


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	100
#4	4.75	97
#10	2.00	95
#20	0.850	93
#40	0.425	89
#60	0.250	84
#100	0.150	78
#140	0.106	74
#200	0.075	69

Hydrometer Particle Diameter (mm)	% Finer
0.0353	61
0.0190	53
0.0077	39
0.0029	30
0.0012	24

Gravel (%):	3
Sand (%):	28
Fines (%):	69
Silt (%):	42
Clay (%):	27

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.704

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-04 10-12'	23H244	21.5	69	34	18	16	CL - Sandy lean clay

Note(s): Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.

01-02-2024
Approved By: NSR

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Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-04 10-12'
Lab Sample No:	23H244
Sample Type:	Shelby Tube Cut

ASTM D4767

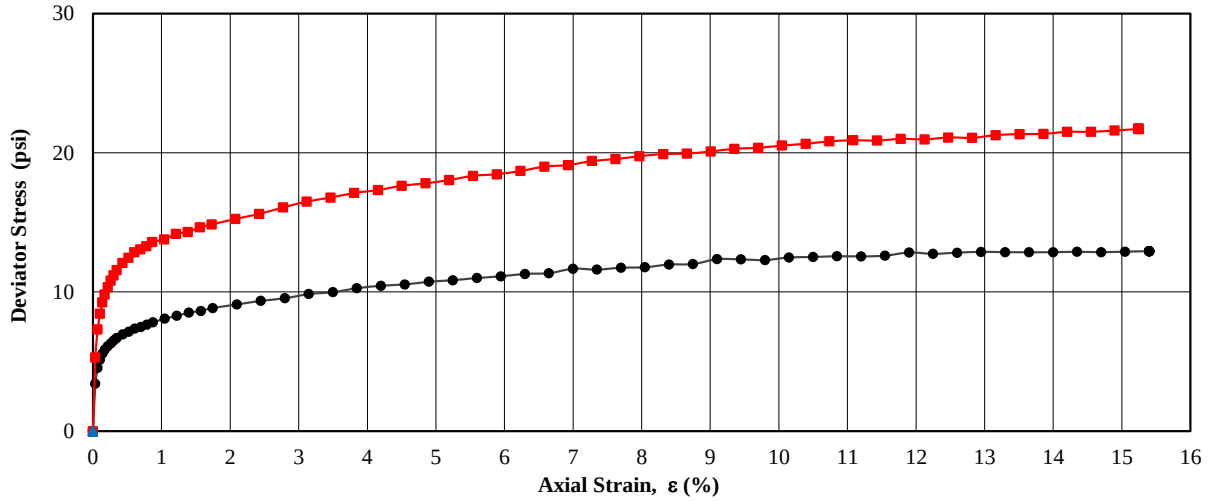
CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

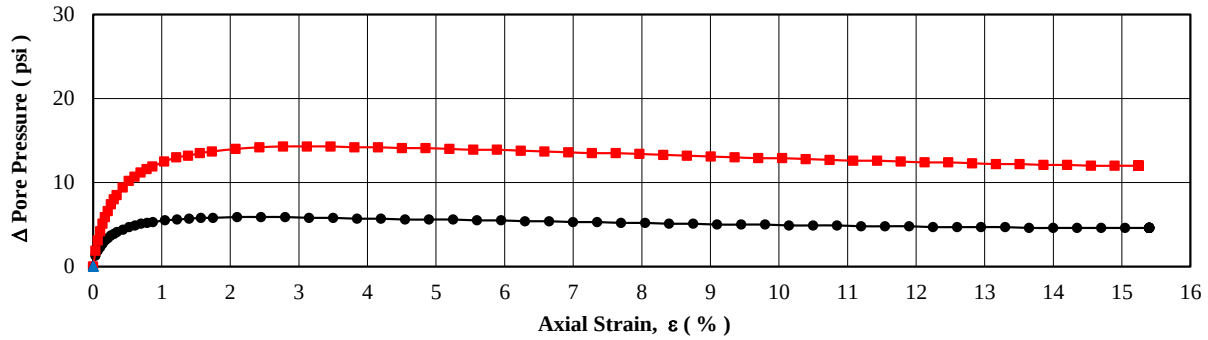
Figure 1

Test 1: σ'_c (psi): 9.0 , u_i (psi): 70.0

Test 2: σ'_c (psi): 20.0 , u_i (psi): 70.0

Test 3: σ'_c (psi): , u_i (psi):





Test Specimen No.	Maximum Strength: Deviator Stress ($\sigma'_1 - \sigma'_3$) (psi)	Effective Axial Stress (σ'_1) (psi)	Effective Radial Stress (σ'_3) (psi)	Pore Pressure (u) (psi)	Axial Strain (ε_a) (%)
1	12.9	17.3	4.4	74.6	15.4
2	21.7	29.7	8.0	82.0	15.2

Test Specimen No.	Strength at App. 15% Axial Strain: Deviator Stress ($\sigma'_1 - \sigma'_3$) (psi)	Effective Axial Stress (σ'_1) (psi)	Effective Radial Stress (σ'_3) (psi)	Pore Pressure (u) (psi)	Axial Strain (ε_a) (%)
1	12.9	17.3	4.4	74.6	15.4
2	21.7	29.7	8.0	82.0	15.2

Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

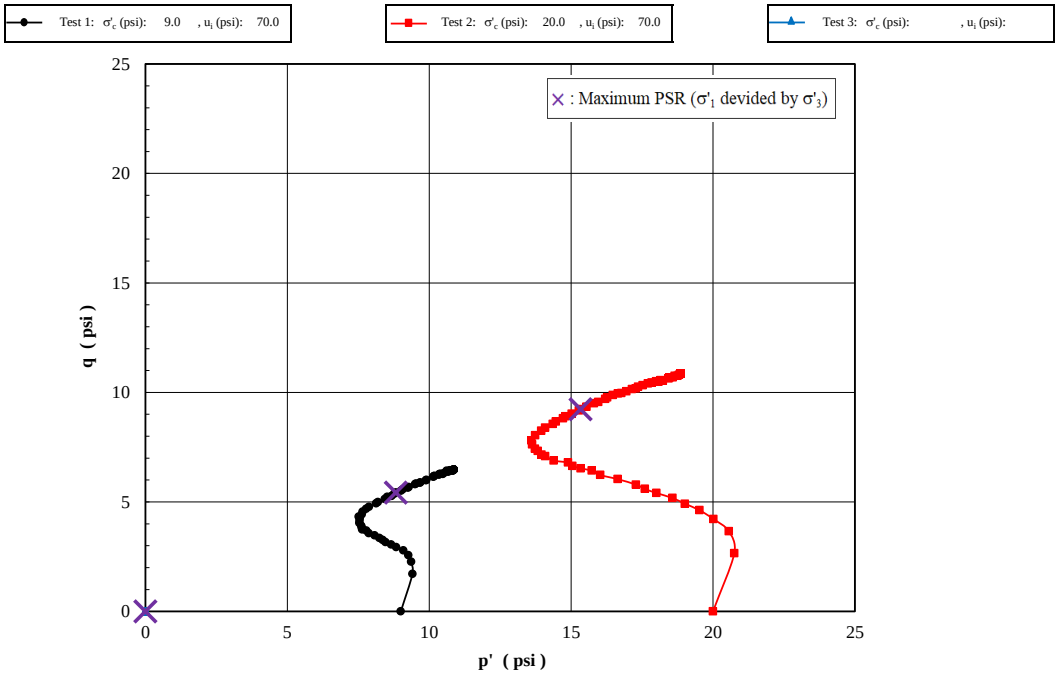
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Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-04 10-12'
Lab Sample No: 23H244
Sample Type: Shelby Tube Cut

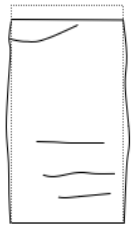
ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

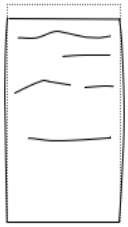
Figure 2



Test Specimen Number (-)	Specimen Quality Bad to Good (1 to 10)	Initial Conditions							Consolidation Stage		Loading
		Height (in .)	Diameter (in.)	Moisture Content (%)	Dry Unit Weight (pcf)	B Parameter (-)	Initial Pore Pressure (u_i) (psi)	Consolidation Pressure (σ'_c) (psi)	Axial Strain (%)	Volumetric Strain (%)	Axial Rate (% / min)
1	6	5.77	2.76	21.0	105.9	0.98	70.0	9.0	0.95	4.88	0.035
2	6	5.87	2.73	22.0	102.6	0.97	70.0	20.0	1.62	5.35	0.034



Specimen No.1
Khaki brown sandy silty clay



Specimen No. 2
Khaki brown sandy silty clay

Specimen No. 3

Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-04 10-12'
Lab Sample No: 23H244
Sample Type: Shelby Tube Cut

ASTM D4767

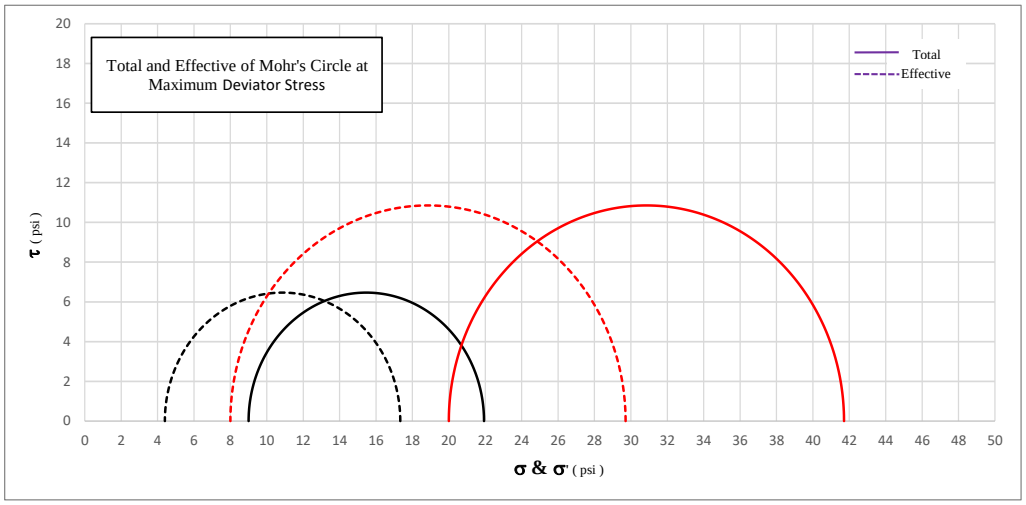
CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

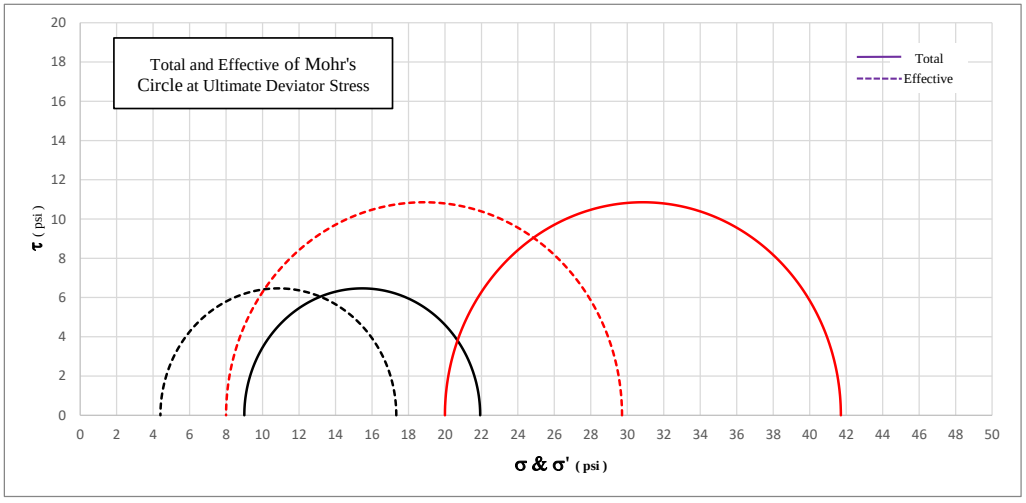
Figure 3

Test 1: σ'_c (psi): 9.0 , u_i (psi): 70.0

Test 2: σ'_c (psi): 20.0 , u_i (psi): 70.0

Test 3: σ'_c (psi): , u_i (psi):





12-23-2023
Approved By: NSR

Note(s):

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

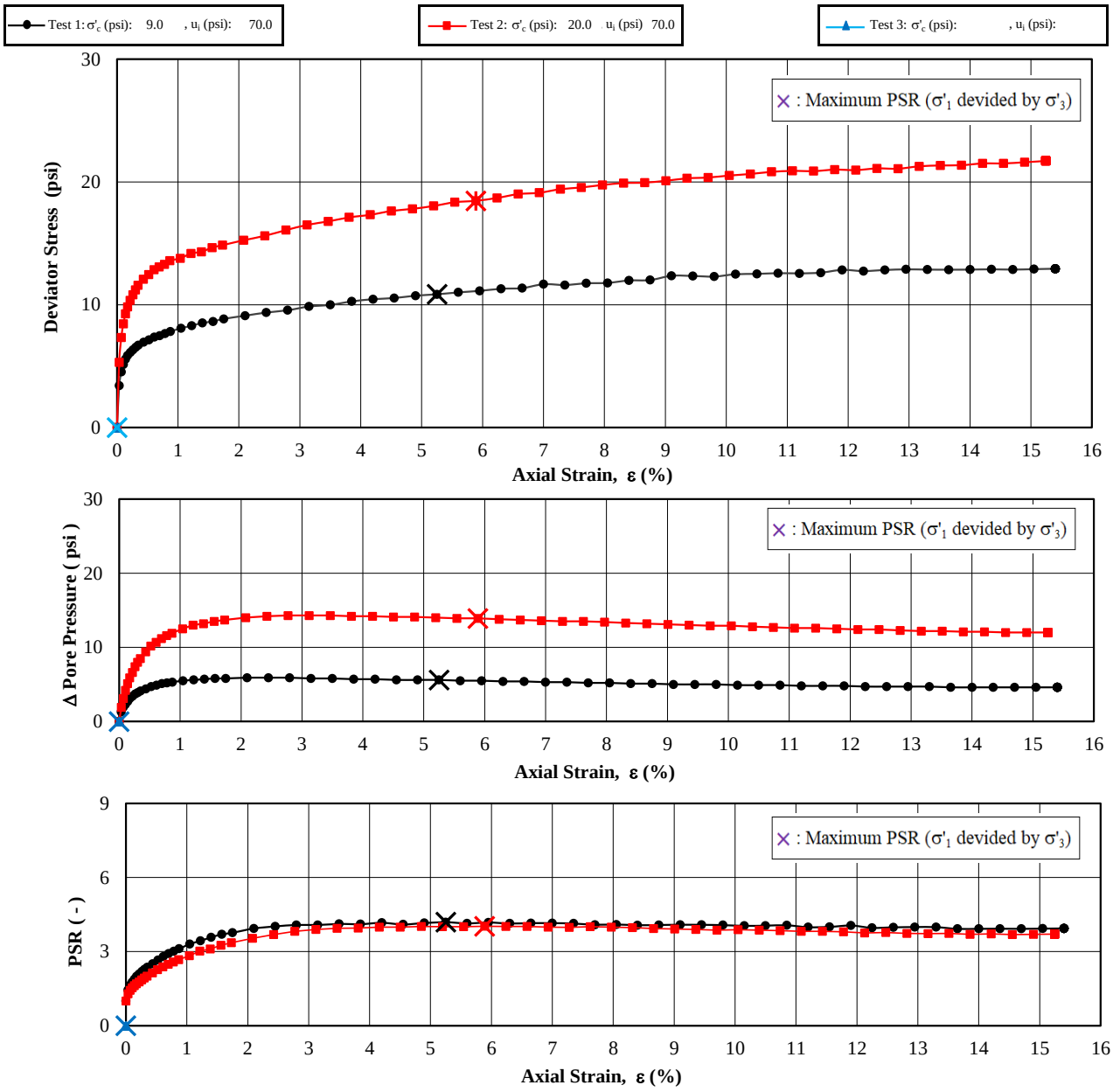
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Site Sample ID: GTB-04 10-12'
Lab Sample No: 23H244
Sample Type: Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Figure 4



Notes:

σ'_c = Consolidation pressure, (psi) u_i = Initial pore pressure,(psi)

12-23-2023
Approved By: NSR

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Tel: (770) 910 7537, www.excelgeotesting.com

Project Name:	Anniston PCB Site OU-1/OU-2 PDI
Project No:	PN1124
Site Sample ID:	GTB-04 10-12'
Lab Sample No:	23H244
Sample Type:	Shelby Tube Cut

ASTM D4767

CONSOLIDATED-UNDRAINED (CU) TRIAXIAL TEST WITH PORE PRESSURE MEASUREMENTS

Pictures

Specimen No. 1
Khaki brown sandy silty clay

(a)



(b)

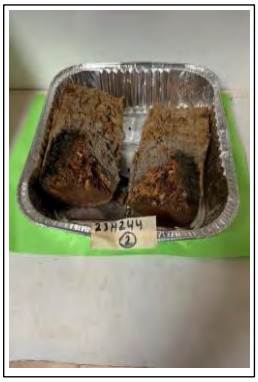


Specimen No. 2
Khaki brown sandy silty clay

(a)



(b)



Specimen No. 3

(a)

BLANK

(b)

BLANK

Notes: (a) after shear / specimen removed from the membrane
(b) specimen after shear / specimen split open

12-23-2023
Approved By: NSR

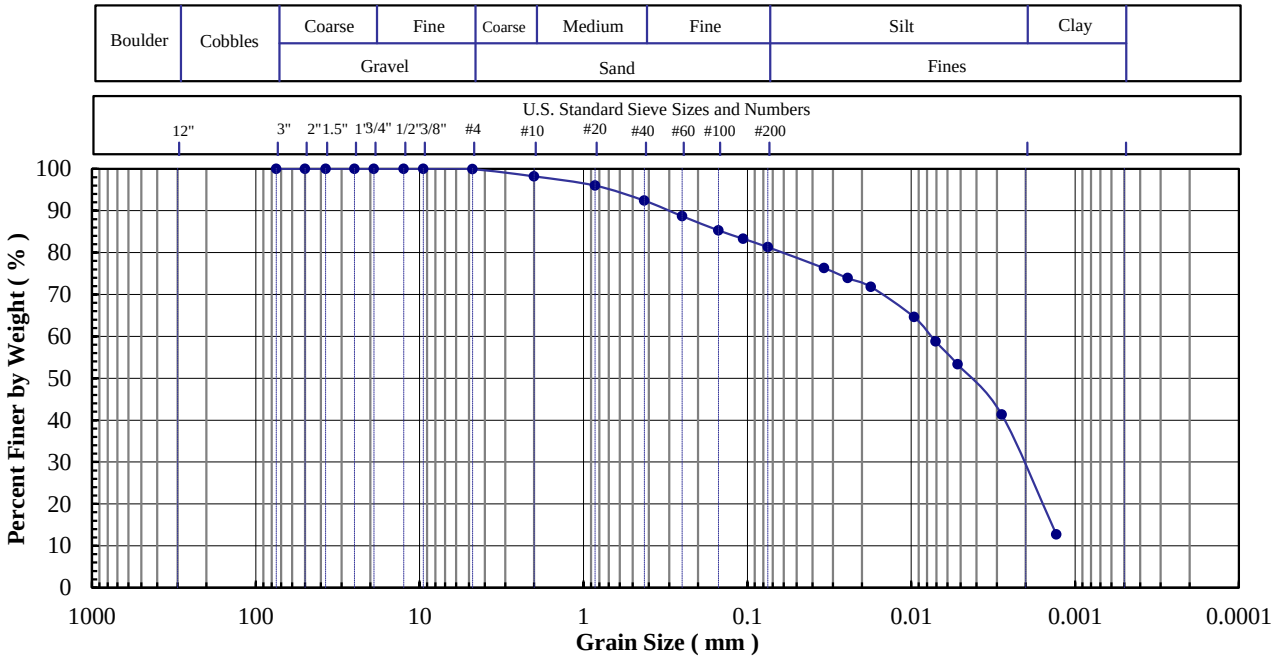
Excel Geotechnical Testing, Inc.
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953 Forrest Street, Roswell, Georgia 30075
Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-04 14-16'
Lab Sample No: 23H245

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

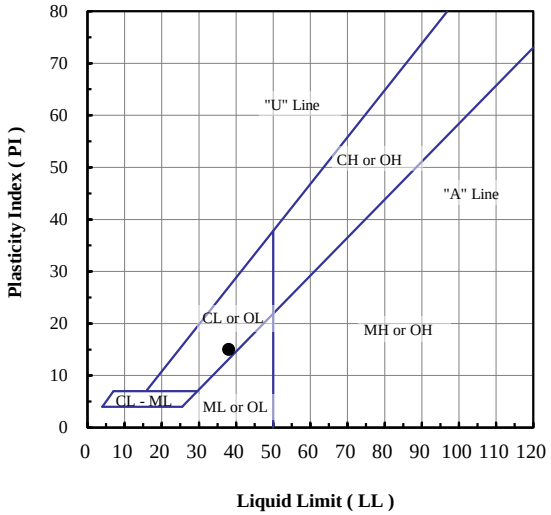


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	100
#4	4.75	100
#10	2.00	98
#20	0.850	96
#40	0.425	92
#60	0.250	89
#100	0.150	85
#140	0.106	83
#200	0.075	81

Hydrometer Particle Diameter (mm)	% Finer
0.0340	76
0.0176	72
0.0071	59
0.0028	41
0.0013	13

Gravel (%):	
Sand (%):	19
Fines (%):	81
Silt (%):	55
Clay (%):	26

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-04 14-16'	23H245	23.3	81	38	23	15	CL - Lean clay with sand

Note(s): Sieve test specimen was undersized.
Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

12-23-2023
Approved By: NSR

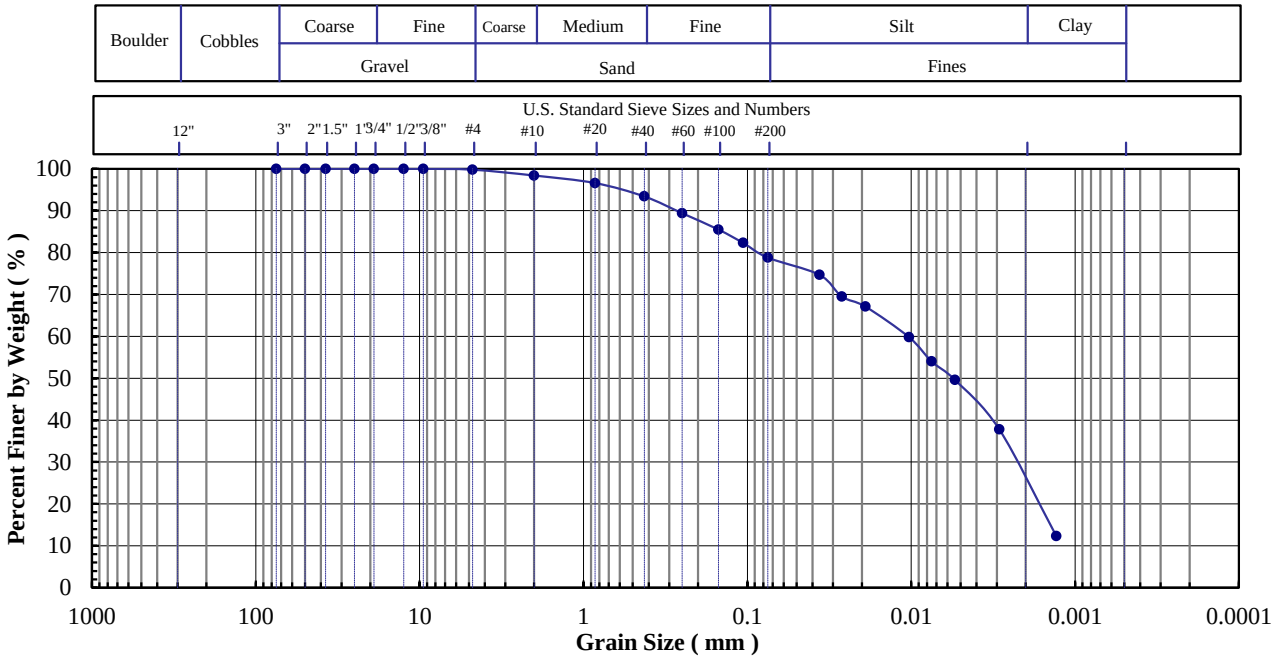
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Tel: (770) 910 7537, www.excelgeotesting.com

Project Name: Anniston PCB Site OU-1/OU-2 PDI
Project No: PN1124
Client Sample ID: GTB-04 16-18'
Lab Sample No: 23H246

ASTM C136, D422, D854, D1140, D2216, D2487, D2974, D4318, D4373, D6913, D7928

SOIL INDEX PROPERTIES

Grain Size, Spec. Gravity, Moist. Cont, Eng. Classification, Organic Content, Atterberg Limits, Carbonate Content

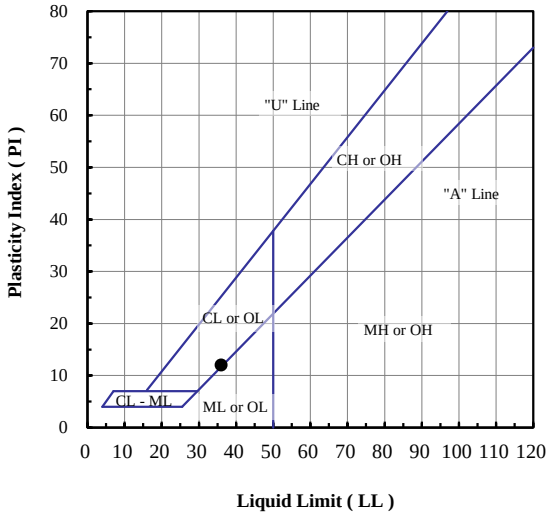


Sieve No.	Size (mm)	% Finer
3"	75	100
2"	50	100
1.5"	37.5	100
1"	25	100
3/4"	19	100
3/8"	9.5	100
#4	4.75	100
#10	2.00	98
#20	0.850	97
#40	0.425	93
#60	0.250	89
#100	0.150	86
#140	0.106	82
#200	0.075	79

Hydrometer Particle Diameter (mm)	% Finer
0.0363	75
0.0190	67
0.0075	54
0.0029	38
0.0013	12

Gravel (%):	
Sand (%):	21
Fines (%):	79
Silt (%):	56
Clay (%):	23

Coeff. Unif. (Cu):	
Coeff. Curv. (Cc):	



Specific Gravity (-):	2.7

Org. Content (%):	

Carbon. Content (%):	

Client Sample ID.	Lab Sample No:	Moisture Content (%)	Fines Content < No. 200 (%)	Atterberg Limits LL (-)	PL (-)	PI (-)	Engineering Classification
GTB-04 16-18'	23H246	22.5	79	36	24	12	CL - Lean clay with sand

Note(s): Sieve test specimen was not large enough to report the results to the accuracy of one decimal point.
Sample contained some hard soil particles which continuously break down utilizing ASTM standard procedural effort.
An assumed specific gravity of 2.7 was used when analyzing the hydrometer test results (i.e., silt and clay contents).

11-06-2023
Approved By: NSR

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"Excellence in Testing"

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Tel: (770) 910 7537, www.excelgeotesting.com

Test Results Summary

Project Name: Anniston PCB Site OU-1/OU-2 PDI

Project No.: PN1124

Site ID	Lab No.	Test Information																		Remarks
		Moisture Content ASTM D2216	Grain Size Analysis ASTM D6913 / ASTM C136 ASTM D7928					Atterberg Limits ASTM D4318			Engine. Classifi. ASTM D2487	Specific Gravity		Organic Content ASTM D2974 MetC	Standard Proctor Compaction Test ASTM D698		Triaxial Consolidated Undrained ASTM D4767			
			Gravel Cont.	Sand Cont.	Fines Cont.	Silt Cont.	Clay Cont.	LL	PL	PI		ASTM D854 < 3/8 in.	ASTM C127 > 3/8 in.		Maximum Dry UW	Optimum Mois. Cont.	T1	T2	T3	
(-)	(-)	(%)	(%)	(%)	(%)	(%)	(%)	(-)	(-)	(-)	(-)	(-)	(-)	(%)	(pcf)	(%)	(-)	(-)	(-)	
GTB-01 0-2'	23H229	15.9	3	42	55	40	15	28	18	10	CL	2.703								
GTB-01 6-8'	23H230	16.2	1	36	63	41	22	25	13	12	CL	2.715								
GTB-01 8-10'	23H231	14.6	10	45	45	29	16	25	14	11	SC	2.693								
GTB-01 12-14'	23H233	20.2	10	40	50	32	18	31	21	10	CL	2.688					Reported		-	
GTB-02 6-8'	23H235	29.4	4	11	85	47	38	55	28	27	CH									
GTB-02 8-10'	23H236	28.6	6	9	85	43	42	51	23	28	CH	2.812					Reported			
GTB-02 12-14'	23H237	7.9	14	34	52	51	1	NP	NP	NP	ML									
GTB-03 2-4'	23H238	23.5	0.9	10.2	88.9	47.2	41.7	47	25	22	CL			4.7						
GTB-03 4-6'	23H239	29.1	13	23	64	32	32	46	25	21	CL	2.827					Reported			
GTB-03 8-10'	23H240	13.7	29	46	25	16	9	NP	NP	NP	SM									
GTB-03 12-14'	23H241	21.1	28	26	46	29	17	32	18	14	SC									
GTB-04 2-4'	23H242	15.1	4	43	53	34	19	29	18	11	CL									
GTB-04 6-8'	23H243	26.0	10	8	82	50	32	34	22	12	CL									
GTB-04 10-12'	23H244	21.5	3	28	69	42	27	34	18	16	CL	2.704					Reported		-	
GTB-04 14-16'	23H245	23.3	0	19	81	55	26	38	23	15	CL									
GTB-04 16-18'	23H246	22.5	0	21	79	56	23	36	24	12	CL									

Notes:

01-11-2024
Approved By: NSR

APPENDIX D

Interim Predesign Investigation Data Summary Report: Soil Sampling at the PB-RR-37 Area

INTERIM PREDESIGN INVESTIGATION DATA SUMMARY REPORT: SOIL SAMPLING AT THE PB-RR-37 AREA

Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site

Submitted by

Pharmacia LLC/Solutia Inc.

January 2024

EXECUTIVE SUMMARY

This Interim Predesign Investigation (PDI) Data Summary Report provides the soil sampling investigation results in the PB-RR-37 area, which is in the Operable Unit 1/Operable Unit 2 (OU-1/OU-2) portion of the Anniston PCB Site. This investigation was conducted to provide data for preparing the OU-1/OU-2 remedial design as required by the United States Environmental Protection Agency in the OU-1/OU-2 Record of Decision.

Polychlorinated biphenyl (PCB) concentrations in the surface soil within the PB-RR-37 area were previously characterized by two co-located soil samples (PB-RR-37 and PB-RR-40) collected in March 2000 at a depth interval of 0 to 3 inches below ground surface (bgs). Analytical testing reported total PCB concentrations of 3,700 milligrams per kilogram (mg/kg) and 2.3 mg/kg at PB-RR-37 and PB-RR-40, respectively. The PDI Work Plan (PDIWP) identified evaluating whether PCBs were leaching from soil to groundwater as a data gap to be addressed in the PDI (see SO-DQO 4 in the PDIWP; Pharmacia LLC/Solutia Inc. 2022) based on these sample results, which differed by more than 3 orders of magnitude.

The soil investigation at the PB-RR-37 area was conducted in July 2023 and analytical results were validated in November 2023. The results of this investigation are summarized as follows:

- PCB concentrations measured in surface soil during the PDI were consistent with sample PB-RR-40, with a 5-point composite concentration of 6.1 mg/kg, and a maximum concentration of 2.4 mg/kg in the discrete boring installed near PB-RR-37 and PB-RR-40.
- PCB concentrations decreased with depth from 0 to 3 feet bgs.
- PCBs were not detected below 3 feet bgs.
- Groundwater was not observed to 25 feet bgs.

PCBs are not migrating from soil to groundwater in the PB-RR-37 area. Therefore, no further investigation of soil-to-groundwater leaching in this area is proposed.

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
DQO	data quality objective
GPS	global positioning system
GSI	GSI Environmental Inc.
mg/kg	milligram(s) per kilogram
OU	operable unit
PCB	polychlorinated biphenyl
PDI	predesign investigation
PDIWP	Predesign Investigation Work Plan
P/S	Pharmacia LLC/Solutia Inc.
RD	remedial design
ROD	Record of Decision
USCS	United Soil Classification System
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

This Interim Predesign Investigation (PDI) Data Summary Report for a soil sampling investigation at the PB-RR-37 area of the Operable Unit 1/Operable Unit 2 (OU-1/OU-2) portion of the Anniston PCB Site (the Site) was developed on behalf of Pharmacia LLC/Solutia Inc. (P/S). This soil investigation was conducted to provide data for preparing the OU-1/OU-2 remedial design (RD) as required by the United States Environmental Protection Agency (USEPA) in the OU-1/OU-2 Record of Decision (ROD; USEPA 2017). Investigation activities were conducted in accordance with the *Predesign Investigation Work Plan for the Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site* (PDIWP; P/S 2022), which was approved by USEPA on July 5, 2022. This Interim PDI Data Summary Report was prepared to evaluate whether additional investigation regarding polychlorinated biphenyls (PCBs) leaching from soil to groundwater is necessary.

This Interim PDI Data Summary Report is available as an electronic deliverable at Interim PDI Data Summary. Other publicly available technical documents for OU-1/OU-2 and the Site are available at Anniston PCB Site File Exchange.

1.1 Summary of Existing Data and Data Gaps for the PB-RR-37 Area

The OU-1/OU-2 portion of the Site has been extensively sampled over the past 20-plus years. These results are presented in a collection of reports:

- The *Remedial Investigation Report for Operable Unit 1/Operable Unit 2 of the Anniston PCB Site* (Environ 2015)
- The *OU-1/OU-2 Feasibility Study Report, Anniston PCB Site* (Ramboll Environ 2016)
- The *NTC Removal Action Completion Report for Residential Properties in OU-1/OU-2* (Golder 2015) and its associated annual addenda
- *Predesign Investigation Work Plan for the Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site* (P/S 2022)

A summary of the existing data for the focus area of this Interim PDI Data Summary Report (i.e., the PB-RR-37 area) is provided below.

PCB concentrations in the surface soil within the overall PB-RR-37 area were previously characterized by two co-located soil samples (PB-RR-37 and PB-RR-40) collected in March 2000 at a depth interval of 0 to 3 inches below ground surface (bgs). Analytical testing reported total PCB concentrations of 3,700 milligrams per kilogram (mg/kg) and 2.3 mg/kg at PB-RR-37 and PB-RR-40, respectively (Environ 2015). Based on these sample results, which differed by more than 3 orders of magnitude, the PDIWP identified evaluating whether PCBs were leaching from soil to groundwater as a data gap to be addressed in the PDI. The last sentence of the fourth data quality objective (DQO) for soil for the OU-1/OU-2 PDI discusses this data gap:

> *SO-DQO 4: Evaluate whether representative soil PCB concentrations at the PB-RR-37 area, including soil along the drainage ditch upstream and downstream of this area, are above the ROD requirements of 21 mg/kg for surface soil and 97 mg/kg for subsurface soil. For locations*

adjacent to Snow Creek, concentrations will be compared to the OU-1/OU-2 ROD remedial goal of 3 mg/kg and evaluated relative to their ability to erode and migrate into Snow Creek. If PCBs are detected in subsurface soil proximate to the groundwater table in the PB-RR-37, discussions will be held with USEPA relative to the potential installation of a groundwater monitoring well to assess if groundwater PCB concentrations in this area exceed the remedial goal of 0.5 µg/L [micrograms per liter].

A vertical profile of soil PCB concentrations in the PB-RR-37 area was necessary to evaluate the potential for PCBs to leach from soil to groundwater. This report provides the results and fulfillment of these data needs.

1.2 Organization of this Report

This report includes five sections and one appendix:

- Section 1 is the introduction.
- Section 2 describes the field work completed.
- Section 3 describes the results of the investigation.
- Section 4 describes the recommendations for future PDI work.
- Section 5 includes the references for documents cited in this report.

This Interim PDI Data Summary Report meets the interim reporting requirements identified in Section 8.2 of the PDIWP relative to the PB-RR-37 area. The information included in this document will be presented in the PDI Evaluation Report to be submitted within 60 calendar days of completing data validation for all the PDI data.

2. SOIL SAMPLING METHOD

The following sections provide information on the location, drilling, and soil sampling activities conducted at the vertical borehole drilled in the PB-RR-37 area. The soil boring implemented as part of the PDI was identified as SO-PBRR37 to differentiate the sampling locations associated with prior investigations. Field activities were conducted in accordance with Section 3.1.2.1 of the PDIWP.

2.1 Borehole Location

The original PB-RR-37 and PB-RR-40 surface soil samples were in a narrow ditch adjacent to the Norfolk Southern railroad. As shown on Figure 1 and Exhibit 1 below, soil boring SO-PBRR37 was installed as near to the original PB-RR-37 surface soil sample location as possible (i.e., at the nearest top edge of the sloped southern side of the ditch), while also ensuring the following:

- The drill rig was safely and securely set on level ground, avoiding the steep side slopes of the narrow ditch adjacent to the Norfolk Southern railroad.

- The drilling rig was placed and personnel worked at a safe distance from the nearby Norfolk Southern railroad, as directed by two railroad-contracted staff members that were present during drilling activities. (Norfolk Southern requires flagging and construction monitoring personnel to be present for any construction activities occurring within the railroad right-of-way).

The boring was installed approximately 8 feet from the PB-RR-37 and PB-RR-40 coordinates as identified by a field global positioning system (GPS) unit.



Exhibit 1. Locations of the original PB-RR-37 and SO-PBRR37. Note the steep slope at the original PB-RR-37 location.

2.2 Drilling Activities

Drilling activities were conducted in accordance with the PDIWP, specifically Section 2.0 (General Drilling Procedures) of Attachment A-6: Subsurface Drilling and Monitoring Well Installation Procedures and Attachment A-8: Monitoring Well/Borehole Abandonment Procedure. Drilling activities were completed under the direction of an Alabama-licensed water well driller (Cascade Drilling, LP, Mr. Jacob Smith, Alabama License No. 611), with oversight provided by GSI Environmental Inc. (GSI) personnel under the supervision of an Alabama-licensed professional geologist (Mr. Kenneth Walker, Jr., Alabama License No. 1578). Soil boring activities were conducted on July 29, 2023.

The rotosonic drilling method was employed to a total depth of 25 feet bgs. Soil cores were collected continuously during drilling, and soils were logged by GSI personnel in general accordance with the Unified Soil Classification System (USCS). The SO-PBRR37 boring log is enclosed in Appendix A.

Drilling was conducted without the use of water so it would be easier to identify the soil-groundwater interface. The soil-groundwater interface was expected to be encountered between 15 and 25 feet bgs. No groundwater saturation was observed during soil logging to a total depth of 25 feet bgs. After reaching a depth of 25 feet bgs, the borehole was left open for approximately 1 hour and did not produce any measurable water. The borehole was subsequently backfilled to the surface with a 95% Portland cement and 5% bentonite grout mixture.

Drill cuttings were placed in a roll-off container that was disposed of at Chemical Waste Management (Emelle, Alabama) under waste profile CM9879 (Anniston PCB Site Consent Decree Waste) as documented in Waste Manifest No. 006459489 (Appendix B).

2.3 Soil Sampling

Soil sampling was conducted in accordance with the PDIWP, specifically Attachment A-5: Surface and Subsurface Soil Sampling Procedures. Soil was sampled immediately following drilling activities on July 29, 2023.

Soil samples were collected in discrete 1-foot intervals across the entirety of the borehole (0 to 1 feet bgs, 1 to 2 feet bgs, 2 to 3 feet bgs, etc.) for a total of 1 surface soil sample and 24 subsurface soil samples. Soil from each 1-foot interval was homogenized in a clean stainless-steel bowl with a clean stainless-steel spoon prior to collection. Soil samples were collected in laboratory supplied, method-specified containers for the analysis of PCB Aroclors by USEPA Method 8082A and of PCB homologs by USEPA Method 680. Samples were immediately stored on ice and were submitted to Eurofins Savannah Laboratories Environmental Testing, LLC, in Savannah, Georgia, under chain-of-custody control.

The soil samples from the upper 10 feet bgs depth intervals were submitted for analysis upon laboratory receipt. The soil samples from the 10 to 25 feet bgs depth intervals were submitted on hold pending the results of the shallower soil samples.

In addition to the sampling of the discrete boring, a 5-point composite surface soil sample of the interim measure area around PB-RR-37 was collected by Geosyntec personnel following the procedures specified in section 3.1.2.1 of the PDIWP. A representative subsample of the soil core collected from the 0–1-foot bgs interval of the SO-PBRR37 borehole on July 29, 2023 composed one of the 5 aliquots of this composite sample. The remaining aliquots of the composite sample were composed of representative subsamples of surface soil cores collected from the 0–1-foot bgs interval using a direct-push drill rig at four locations in the ditch near the PB-RR-37 location and adjacent to the Norfolk Southern railroad on November 16, 2023. The 5 representative soil subsamples were homogenized and placed into laboratory supplied, method-specified containers for the analysis of PCB Aroclors by USEPA Method 8082A. The composite sample was immediately stored on ice and was submitted to Eurofins Savannah Laboratories Environmental Testing, LLC, in Savannah, Georgia, under chain-of-custody control. The soil sampling locations for the 5-point composite sample are shown on Figure 2.

3. INVESTIGATION RESULTS

The PDI successfully achieved the objectives of the OU-1/OU-2 PDIWP related to evaluating whether PCBs were leaching to groundwater in the PB-RR-37 area. A summary of PCB Aroclor and PCB homolog data collected from soil boring SO-PBRR37 is presented in this section.

3.1 Soil Sampling Results

Total PCB Aroclor and Total PCB homolog concentrations from soil boring SO-PBRR37 are presented below in Exhibit 2. Validation of analytical data was completed in November 2023 for SO-PBRR37 samples and in January 2024 for the 5-point composite sample in accordance with the procedures specified in the Uniform Federal Policy Quality Assurance Project Plan that was submitted with the PDIWP (P/S 2022) and updated in June 2023 (P/S 2023a). Detections of PCB Aroclors were qualified as J+, indicating a numerical value that is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated quality control or calibration data or attributable to matrix interference, due to recovery of the decachlorobiphenyl surrogate above the upper control limit in the laboratory control sample. Non-detect results for PCB homologs in the 6 to 7 feet bgs interval were qualified as UJ, indicating that the analytes were not detected above the reported sample quantitation limit, although the reported quantitation limit is approximate due to recovery of the analytes below the lower control limit in the matrix spike duplicate only. The analytical data were determined to be usable for the intended purpose of evaluating whether PCBs were leaching to groundwater in the PB-RR-37 area.

Depth Interval (ft bgs)	Total PCB Aroclors (mg/kg)	Total PCB Homologs (mg/kg)
0 - 1	2.4 J+	1.5
1 - 2	0.75 J+	0.50
2 - 3	0.29 J+	0.12
3 - 4	< 0.02	< 0.017
4 - 5	< 0.02	< 0.017
5 - 6	< 0.02	< 0.017
6 - 7	< 0.02	< 0.017 UJ
7 - 8	< 0.02	< 0.017
8 - 9	< 0.02	< 0.017
9 - 10	< 0.02	< 0.017

Exhibit 2. Analytical test results in soil at SO-PBRR37.

PCB concentrations in the soil sample collected from the 0–1-foot depth interval from SO-PBRR37 were consistent with the lower historical surface soil sample result of 2.3 mg/kg from PB-RR-40 and not the higher PB-RR-37 sample result of 3,700 mg/kg.

PCB Aroclors and PCB homologs were not detected in soil samples collected from depth intervals from 3 to 10 feet bgs (PCB detection limits of 0.02 mg/kg and 0.017 mg/kg, respectively). Soil samples collected from 10 to 25 feet bgs were not analyzed due to decreasing PCB concentrations

in the 0 to 3 feet bgs interval and PCBs not being detected in samples collected from 3 to 10 feet bgs.

Individual PCB Aroclor and PCB homolog results for SO-PBRR37 soil samples were previously reported in the November 2023 Monthly Report (P/S 2023b).

The analytical test result for Total PCB Aroclors in the 5-point composite surface soil sample collected from SO-PBRR37 and the four locations in the ditch adjacent to the Norfolk Southern railroad was 6.1 J mg/kg. Individual PCB Aroclor results for the 5-point composite surface soil sample will be reported in the January 2024 Monthly Report.

3.2 Depth to Groundwater Observations

The soil-groundwater interface was not observed in the borehole to a depth of 25 feet bgs, despite drilling without water and leaving the borehole open for approximately 1 hour. This observation supports that the groundwater table was deeper than 25 feet bgs.

4. RECOMMENDATIONS

The results of this investigation are summarized as follows:

- PCB concentrations measured in surface soil during this PDI were consistent with historical sample PB-RR-40, with a 5-point composite concentration of 6.1 mg/kg, and a maximum concentration of 2.4 mg/kg in the discrete boring installed near PB-RR-37 and PB-RR-40.
- PCB concentrations decreased with depth from 0 to 3 feet bgs.
- PCBs were not detected below 3 feet bgs.
- Groundwater was not observed to 25 feet bgs.

PCBs are not migrating from soil to groundwater in the PB-RR-37 area. Therefore, no further investigation of soil-to-groundwater leaching in this area is proposed.

5. REFERENCES

Environ. 2015. *Remedial Investigation Report for Operable Unit 1/Operable Unit 2 of the Anniston PCB Site, Revision 3*. February.

Golder. 2015. *NTC Removal Action Completion Report for Residential Properties in OU-1/OU-2*. November.

P/S. 2022. *Predesign Investigation Work Plan, Operable Unit 1/Operable Unit 2 Portion of Anniston PCB Site*. June.

P/S. 2023a. *Revised Operable Unit 1/Operable Unit 2 Uniform Federal Policy Quality Assurance Project Plan*. June 19.

P/S. 2023b. *November 2023 Progress Report, Anniston PCB Site, (Docket No. 1:02-cv-0749-KOB), Anniston, Alabama*. December 11.

Ramboll Environ. 2016. *OU-1/OU-2 Feasibility Study Report, Anniston PCB Site*. Prepared for Pharmacia LLC and Solutia Inc. Ramboll Environ. March.

USEPA. 2017. *Record of Decision, Operable Unit 1/Operable Unit 2, Anniston PCB Site, Anniston, Calhoun County, Alabama*. November.

FIGURES



LEGEND

- 2023 Soil Sampling Location
- 2000 Soil Sampling Location

Anniston PCB Site
Anniston, Alabama

OU-1/OU-2 Interim Predesign Investigation Data Summary Report

PB-RR-37 and SO-PBRR37 Locations

Solutia

Figure 1

Div/Group: GSI; Drawn by: CDM; Checked by: STR
Path: \\houston-dc\Jobs\6451-6500\6496 Solutia Anniston OU-1OU-2 PDI Groundwater 2023\Figures\GIS\MXDs\6496_004_01_Figure1_Soil_Sampling_PB-RR-37_Area.mxd



Legend

Historical Surface Soil
PCB Results (mg/kg)
- ≥ 500

Historical Locations with Maximum PCB Results ≥500 mg/kg

2023 Soil Boring in PB-RR-37 Area

2023 5-Point Composite Soil Sample
Total PCB Aroclors: 6.1 mg/kg

11th Street Ditch

Interim Measure Area Remediation Footprint: Surface and Subsurface Soil Sampling During PDI

Interim Measure and Other Early Actions

Drainage Ditch Downstream PB-RR-37 Area

All Parcels

0 20 40
Feet
Graphic Scale

Notes:
1. Aerial imagery provided by Nearmap: 10/09/2023.
2. mg/kg: milligrams per kilogram
   OU: operable unit
   PCB: polychlorinated biphenyl
   PDI: pre-design investigation
3. One five-point composite soil sample was collected from the interim measure area remediation footprint surrounding PB-RR-37.

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation Interim Report

PCB Results for PDI Surface Soil Samples Collected in the PB-RR-37 Area

Solutia

Figure
2

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: cnelson
Anniston
N:\AAnniston\GIS\MXD\20240126_OU1_OU2_PDI_Interim_Report\Fig2_PDIIR_OU1_OU2_PB-RR-37_Area_Samples.mxd 1/31/2024 8:36:06 AM

APPENDIX A
Log of Soil Boring: SO-PBRR37

GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

Log of Soil Boring: SO-PBRR37

CLIENT Solutia Inc.
PROJECT NAME PDIWP PB-RR-37 Investigation Area
GSI JOB NUMBER 6496
PROJECT LOCATION Anniston, AL
DATE STARTED 29 Jul. 2023 **COMPLETED** 29 Jul. 2023
GROUND ELEVATION 701.56 ft amsl **DATUM** NAD83
DRILLING CONTRACTOR Cascade Drilling LP, Jacob Smith
TOP OF CASING ELEVATION N/A **DATUM** N/A
DRILLING METHOD Sonic
NORTHING 1148941.3 **EASTING** 651997.1
DRILLING EQUIPMENT TSi 150CC
LOGGED BY S. Robinson **CHECKED BY** K. Walker, P.G.
GROUND SURFACE Grass
BORING DIAMETER (in) 6

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level	Well Diagram and Remarks
	GROUND SURFACE								
	SILT with gravel (ML): dark brown, dry, very soft, non plastic, gravel-sized metallic material likely non-native		ML						
5	SILTY CLAY (CL-CH): light brown, moist, very soft, medium to high plasticity		CL						
	CLAYEY GRAVEL (GC): medium brown, moist, very soft, low plasticity, 50/50 mixture of clay and gravel		GC						
10	CLAY with gravel (CL): orangeish tan, moist, firm, medium to high plasticity, crumbly, <30% gravel that fines downward Some silt present		CL						Boring backfilled with 95% Portland cement / 5% bentonite grout mixture to surface on completion of the boring
	Smaller and less gravel present								
15	Tan, less crumbly								
	CLAY (CH): white, orange, tan, and red mottling, moist, very hard, high plasticity, crumbly		CH						
20	Hard, less crumbly								

KENNETH L. WALKER, JR. ALABAMA LICENSED PROFESSIONAL GEOLOGIST LIC. 1578
31 January 2024

Total Depth = 25.0 feet.

Date Issued: 1/31/2024

Coordinates in NAD 1983 Alabama State Plane East (ft).

APPENDIX B
Waste Manifest No. 006459489

BOX # 25928

CWMI

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ALD004019048	1	(800)424-9300	006459489 GBF

GENERATOR

5. Generator's Name and Mailing Address
SOLUTIA INC
702 CLYDESDALE AVE
ANNISTON AL 36201-5329
Generator's Phone: (256)231-8549

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
~~ROBBIE D. WOOD INC.~~ Chemical Waste Management, Inc.

U.S. EPA ID Number ALD000622464
~~ALD067139091~~

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
HIGHWAY 17 NORTH, MILE MARKER 163
EMELLE AL 35459
Facility's Phone: (205)652-9721

U.S. EPA ID Number
ALD000622464

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, III CM9879 ~~BK3714~~	1	CM	~~10,000 LBS.~~ 3538	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. ERG -171
OUT OF SERVICE DATE: 11/1/2023
ERI PROVIDER CHEMTREC CONTRACT (CCN24117)
PO# 55279708

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Heather Hollingsworth
Signature: Heather Hollingsworth
Month: 11 Day: 01 Year: 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jackson Mason
Signature:
Month: 11 Day: 01 Year: 23

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Corrected to received wt (BW)
Per H. Hollingsworth 11/2/23
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Annette Wilson
Signature: Annette Wilson
Month: 10 Day: 01 Year: 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

APPENDIX E

Predesign Investigation Interim Data Summary Report: Eastside Properties Groundwater Assessment

PREDESIGN INVESTIGATION INTERIM DATA SUMMARY REPORT: EASTSIDE PROPERTIES GROUNDWATER ASSESSMENT

Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site

Submitted by

Pharmacia LLC/Solutia Inc.

August 2024

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ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
amsl	above mean sea level
bgs	below ground surface
DQO	data quality objective
ft	feet
GSI	GSI Environmental Inc.
IM	interim measure
mg/kg	milligram(s) per kilogram
NAD83	North American Datum of 1983
OU	operable unit
PCB	polychlorinated biphenyl
PDI	predesign investigation
PDIWP	Predesign Investigation Work Plan
P/S	Pharmacia LLC/Solutia Inc.
PTW	principal threat waste
QA/QC	quality assurance/quality control
µg/L	microgram(s) per liter
UFP-QAPP	Uniform Federal Policy Quality Assurance Project Plan
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

This Predesign Investigation (PDI) Interim Data Summary Report for groundwater at the Eastside Properties area of the Operable Unit 1/Operable Unit 2 (OU-1/OU-2) portion of the Anniston PCB Site (the Site) was developed on behalf of Pharmacia LLC/Solutia Inc. (P/S). The investigation was conducted to provide data for preparing the OU-1/OU-2 remedial design as required by the United States Environmental Protection Agency (USEPA) in the OU-1/OU-2 Record of Decision (USEPA 2017). Investigation activities were conducted in accordance with the *Predesign Investigation Work Plan for the Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site* (PDIWP; P/S 2022), which was approved by USEPA on July 5, 2022. This Interim PDI Data Summary Report was prepared to evaluate whether additional investigation regarding polychlorinated biphenyls (PCBs) leaching from soil to groundwater is necessary.

PCB concentrations in soil in portions of the Eastside Properties have been detected historically at concentrations exceeding 500 milligrams per kilogram (mg/kg), indicating the potential presence of principal threat waste (PTW). Interim measures (IMs) were implemented between 1997 and 2012 to reduce potential exposure to and migration of PCBs in soil. The IMs generally included soil caps where total PCB concentrations were less than 500 mg/kg and geomembrane caps where PCB concentrations exceeded 500 mg/kg. Based on these sample results, the PDIWP identified the following data quality objective (DQO) for groundwater:

> *"GW-DQO 1: Evaluate whether representative groundwater PCB concentrations at the Eastside Properties exceed the remedial goal of 0.5 µg/L* [micrograms per liter]*."*

Groundwater samples collected from an area downgradient of the portions of the Eastside Properties with soil PCB concentrations exceeding 500 mg/kg were necessary to evaluate whether PCBs have leached from soil to groundwater. This interim report provides the results and fulfills the data objective described in the PDIWP. This PDI Interim Data Summary Report is available as an electronic deliverable along with other publicly available technical documents for the Site at the Anniston PCB Site File Exchange.

2. INVESTIGATION METHODS

The following sections provide information on the locations, drilling, soil sampling, well installation, and groundwater sampling activities conducted in the Eastside Properties area. The two monitoring wells installed during the investigation were identified as EP-MW-01 and EP-MW-02, and the two piezometers were identified as EP-PZ-01 and EP-PZ-02. Field activities were conducted in accordance with Section 3.2.2.1 of the PDIWP and are discussed in further detail in the following sections.

2.1 Monitoring Well and Piezometer Locations

The two monitoring wells, EP-MW-01 and EP-MW-02, and two piezometers, EP-PZ-01 and EP-PZ-02, were installed in the locations as described in Section 3.2.2.1 and identified on Figure 3.7 of the USEPA-approved PDIWP (P/S 2022). These locations, as shown on Figure 1 herein, were selected in consultation with USEPA considering two key criteria:

- Selecting locations with low or no known PCB impacts in shallow soil (i.e., soil sample locations with light blue and green square symbols on Figure 3-7) to minimize the potential to drag down PCBs from soil to groundwater during well installation
- Selecting a location reasonably close to and downgradient of the area within the Eastside Properties where elevated soil PCB concentrations have been observed

Exhibit 1 below shows the representative hydraulic gradient direction. This direction is based on eight static water level surveys for which water was present in all wells. The hydraulic gradient data from these surveys confirmed EP-MW-01 and EP-MW-02 were suitably located as proposed in the PDIWP. Water level elevations from the static water level surveys are presented in Appendix A.

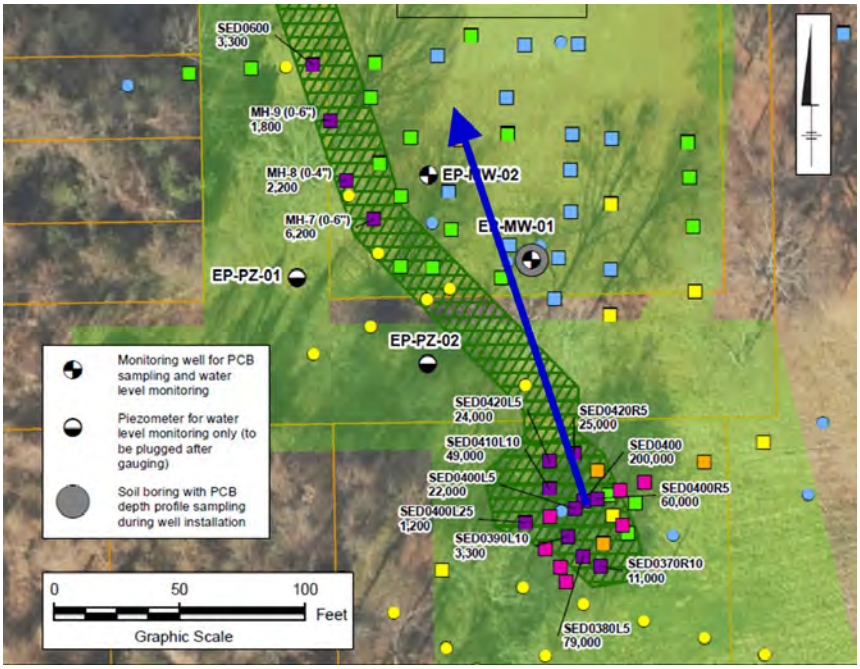


Exhibit 1. Representative hydraulic gradient direction in the Eastside Properties based on the eight static water level surveys when water was present in the two new monitoring wells and two new piezometers. The starting point of the hydraulic gradient arrow was placed near the center of the area with historical soil concentrations greater than 500 mg/kg to depict the general direction of groundwater flow from this area.

2.2 Drilling, Soil Sampling, and Well Construction

Drilling, soil sampling, and monitoring well installation procedures were conducted in accordance with Attachments A-5 and A-6 of the PDIWP (P/S 2022). Drilling, soil sampling, and well construction activities were completed under the direction of an Alabama-licensed water well driller (Cascade Drilling, LP, Mr. Ricky Davis, Alabama License No. 611), with oversight provided by GSI Environmental, Inc. (GSI) personnel under the supervision of an Alabama-licensed professional geologist (Mr. Kenneth Walker, Jr., Alabama License No. 1578). Drilling, soil sampling, and well installation activities were conducted from October 14 through October 19, 2022.

The rotosonic drilling method was employed using telescoping temporary isolation casings to minimize the potential for drag down and cross-contamination of the monitored interval with material from shallower depths. The depths and sizes of the temporary isolation casings used to prevent cross-contamination of the borehole from shallow soils during drilling were as follows:

- 10-inch-diameter outer isolation casing installed to 5 feet below ground surface (ft bgs)
- 8-inch-diameter inner isolation casing installed to 10 ft bgs

A 6-inch-diameter casing was advanced within the inner 8-inch isolation casing to total depths ranging from 25.5 to 30.5 ft bgs for each of the four wells. Soil cores were collected continuously

during drilling, and the recovered soil core was logged by GSI personnel in general accordance with the Unified Soil Classification System.

Soil samples were collected during drilling of EP-MW-01, following the procedures specified in Section 3.2.2.1 of the PDIWP (P/S 2022). Soil samples were collected in discrete 1-foot intervals across the entirety of the borehole (0 to 1 ft bgs, 1 to 2 ft bgs, 2 to 3 ft bgs, etc.). Soil from each 1-foot interval was homogenized in a clean stainless steel bowl with a clean stainless steel spoon prior to collection. Soil samples were collected in laboratory supplied, method-specified containers for the analysis of PCB Aroclors by USEPA Method 8082A and of PCB homologs by USEPA Method 680. Samples were immediately stored on ice.

Based on the water level observation of 17.82 ft bgs on October 18, 2022, the following subset of soil samples, as specified in Section 3.2.2.1 of the PDIWP (P/S 2022), was submitted to Eurofins Savannah Laboratories Environmental Testing, LLC, in Savannah, Georgia, under chain-of-custody control: 4–5 ft bgs, 9–10 ft bgs, 14–15 ft bgs, and 15–16 ft bgs. The 15–16 ft bgs sample was selected since it was the soil sample most immediately overlying the observed water level, as the entire 16–18 ft bgs interval was hard, consolidated chert rock. The boring logs and well construction diagrams for EP-MW-01, EP-MW-02, EP-PZ-01, and EP-PZ-02 are included in Appendix B.

The 10-foot screened intervals for the two new piezometers and the two new monitoring wells were each set at approximately 720 to 730 ft above mean sea level (amsl). Each well screen was determined to be within +/- 0.85 ft of this range based on surveying data. Screen placement for EP-MW-02, EP-PZ-01, and EP-PZ-02 was consistent with EP-MW-01 due to the proximity of the locations. This screened interval range, which is consistent with the surrounding shallow residuum monitoring wells in the vicinity, was carefully selected based on the following observations during drilling of the first borehole at EP-MW-01.

- A thin, 1-foot seam of wet sand with clay was observed in the borehole of EP-MW-01 during soil logging from approximately 726.66 to 727.66 ft amsl (corresponding to a depth of 18 to 19 ft bgs).
- An 11-foot-thick layer of clay underlies the wet sand seam that appeared to have moisture content decreasing with depth to the total depth of 30 ft bgs.
- Prior to well construction, the EP-MW-01 borehole was left open, pumped dry, and again began accumulating water.
- One day after well construction of EP-MW-01, the observed water level elevation in EP-MW-01 (approximately 730.26 ft amsl) was nearly identical to the concurrently measured water level (730.23 ft amsl) in the closest existing monitoring well, T-03, located approximately 530 feet west (cross-gradient) of EP-MW-01.
- Very similar well screen elevations were used in the installation of nearby existing monitoring wells directly west of the new Eastside Property wells (i.e., roughly transverse to the general local topographical downslope direction from Coldwater

Mountain) of 720.13 to 730.13 ft amsl (T-03) and 723.80 to 733.80 ft amsl (OW-08A), as shown below in the east-west cross section in Exhibit 2.

- Well screen elevations are intermediate between those of nearby existing monitoring wells to the south and to the north in the downslope direction, as shown below in the north-south cross section in Exhibit 3.

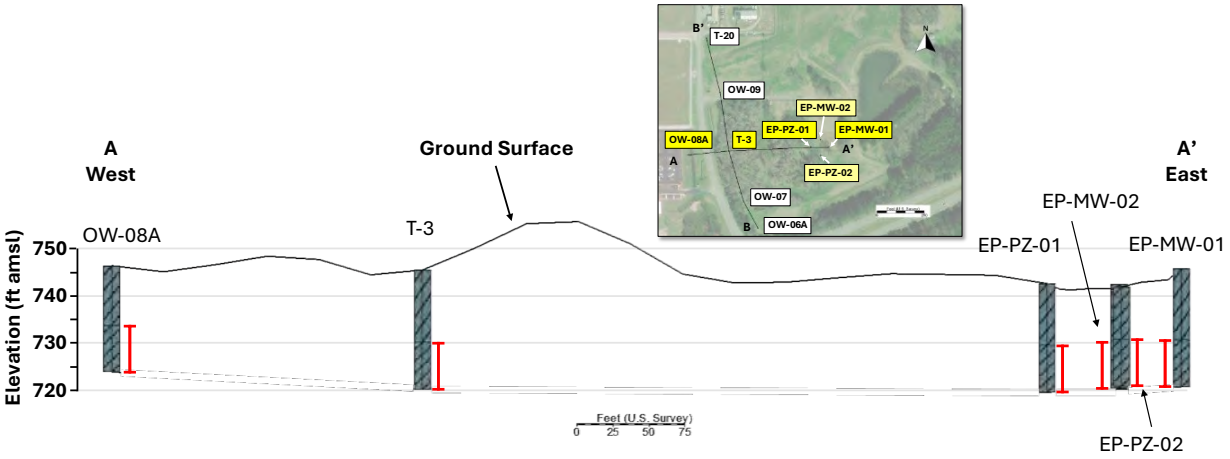


Exhibit 2. Cross section from west (A) to east (A') looking due north and showing well screen intervals (in red) approximately transverse to the downslope direction from Coldwater Mountain.

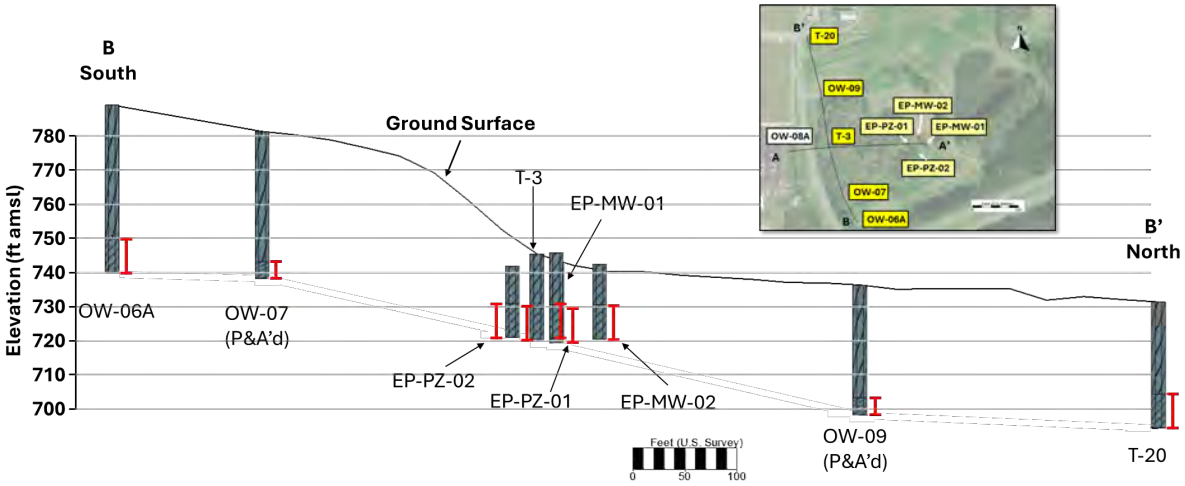


Exhibit 3. Cross section from south (B) to north (B') looking due west and showing well screen intervals (in red) approximately in the downslope direction from Coldwater Mountain. The new Eastside Properties wells and piezometers are projected onto the cross section.

Well construction consisted of the following primary elements:

- 2-inch-diameter Schedule 40 polyvinyl chloride casing and screen with flush-threaded joints and O-rings between each pipe section
- No. 10 slot (0.01-inch) well screen placed at approximately 720 to 730 ft amsl with a 2-foot bottom sump
- Filter pack consisting of 20/40 mesh size clean silica sand placed from the total depth of the well borehole to 2 ft above the top of the screen
- Filter pack seal consisting of 2 ft of sodium bentonite pellets placed beginning 2 ft above the top of the screen, which was hydrated in-place using clean water and allowed to set overnight before proceeding with well construction
- Annular seal consisting of a cement-bentonite grout mixture (approximately 95% Portland cement and 5% sodium bentonite) placed above the filter pack seal from the bottom upwards using the tremie method and a positive displacement pump, with the temporary isolation casings removed from the ground as grout was added to the borehole
- Surface seal consisting of a concrete plug from 0 to 2 ft bgs
- Concrete pad (approximately 3 feet by 3 feet and 6 inches thick) sloped away from the well with a 4-inch-square steel protective casing with weep hole and locking cap
- Surface casing extending approximately between 2.0 and 3.1 ft above the ground surface, with a ventilated well cap

After construction, an Alabama-licensed professional land surveyor surveyed well coordinates, ground surface, and top-of-casing elevations relative to the Alabama State Plane East coordinate system and North American Datum of 1983 (NAD83). Coordinates and elevations are reported on the boring logs and well construction diagrams in Appendix B.

Investigation-derived wastes from the drilling activities were placed in a roll-off container that was disposed of at Chemical Waste Management (Emelle, Alabama) under waste profile CM9879 (Anniston PCB Site Consent Decree Waste), as documented by the waste manifest enclosed in Appendix C.

2.3 Water Level Monitoring and Well Development

Attempts to develop EP-MW-01 and EP-MW-02 occurred on October 18, 2022. Both wells were pumped dry after producing a little more than 3 gallons and 1.5 gallons of water, respectively. Water levels in both wells had not recovered after 2 days, so no further attempts to develop any of the wells (EP-MW-01 and EP-MW-02) or the piezometers (EP-PZ-01 and EP-PZ-02) were made in October 2022.

In a status update meeting held on October 27, 2022, representatives of USEPA and Solutia agreed to the following path forward:

- Develop and sample wells when water levels indicate more substantial groundwater volume (which was anticipated in the late-February to early-April 2023 time frame, based on typical conditions in the area)
- Continue gauging water levels monthly to determine when to sample and evaluate the hydraulic gradient
- Conduct an intermediate bail-down in January or February 2023 to evaluate aquifer recovery and estimate hydraulic conductivity.

Water levels were gauged monthly beginning in November 2022 but remained below the screened intervals in EP-MW-01 and EP-MW-02 and at or below 728 ft amsl in EP-PZ-01 and EP-PZ-02 until mid-January. In mid-January water levels in all four wells increased to between 735 and 740 ft amsl. The interim bail-down test occurred on February 8, 2023, and indicated that all four wells should allow sufficient water level recovery to permit well development and sampling.

Between March 20 and March 23, 2023, EP-MW-01, EP-MW-02, EP-PZ-01, and EP-PZ-02 were developed using bailers and minimal surging. Development continued until the pH, temperature, and specific conductivity stabilized to within ±0.1 standard units, ±0.5 degrees Celsius (°C), and ±10%, respectively. Due to the fine-grained nature of the sediment in the screened intervals, only EP-MW-01 produced water that was clear of visible sediment during well development, although extensive volumes were removed from each well:

- 119 gallons from EP-MW-01 (36 casing volumes)
- 139 gallons from EP-MW-02 (nearly 44 casing volumes)
- 31 gallons from EP-PZ-01 (10 casing volumes)
- 30 gallons from EP-PZ-02 (more than 9 casing volumes)

The well development logs are provided in Appendix D. After the wells were developed, portable bladder pumps were installed in EP-MW-01 and EP-MW-02 on March 24, 2023.

2.4 Groundwater Sampling

On April 11, 2023, groundwater samples were collected from EP-MW-01 and EP-MW-02 per Section 3.2.2.1 and Attachment A-7: Groundwater Sampling Procedure of the PDIWP (P/S 2022). An unfiltered sample and a filtered (0.1-micron) sample were collected from each well, in addition to quality assurance/quality control (QA/QC) samples (including a duplicate, a filtered duplicate, an equipment blank, a source blank, and matrix spike and matrix spike duplicate). Samples were submitted to Eurofins Environment Testing (Savannah, Georgia) for laboratory analysis of PCB Aroclors by USEPA Method 8082A and PCB homologs by USEPA Method 680.

Following validation of the analytical results in early June 2023, representatives from Solutia and USEPA met on June 14, 2023, to discuss the analytical results and the path forward. Solutia agreed to USEPA's request to collect confirmation samples at the next possible opportunity. During the next Site visit in July and August 2023, water levels had already begun to decline again in the two

monitoring wells and the two piezometers at the Eastside Properties. The water level in EP-MW-01 was already below the screened interval. Sample collection from EP-MW-02 was attempted on August 2, 2023, with both USEPA oversight personnel and the USEPA Remedial Project Manager present. After 1.1 gallons of water were pumped from the well using low-flow purging, the water level dropped below the screened interval and did not recover, precluding sample collection.

Solutia proceeded with monthly water level monitoring in the Eastside Property monitoring wells and piezometers to determine the next opportunity to collect groundwater samples. Water levels remained below the screened intervals until late February 2024. On March 13, 2024, confirmation groundwater samples were collected from EP-MW-01 and EP-MW-02 in accordance with Attachment A-7 of the PDIWP (P/S 2022). An unfiltered sample and a filtered (0.1-micron) sample were collected from each well along with QA/QC samples and submitted to Eurofins Environment Testing (Savannah, Georgia) for laboratory analysis of PCB Aroclors by USEPA Method 8082A and PCB homologs by USEPA Method 680. Low-flow purging logs, sampling logs, and calibration logs for the April 2023 and March 2024 groundwater sampling events are provided in Appendices E, F, and G, respectively.

3. INVESTIGATION RESULTS

The PDI achieved GW DQO 1. A summary of PCB Aroclor and PCB homolog data collected in soil and groundwater are presented in this section.

3.1 Soil Sampling Results

Total PCB Aroclor and total PCB homolog concentrations in soil at EP-MW-01 are presented below in Exhibit 4. Validation of analytical data was completed in May 2023 in accordance with the procedures specified in the Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) that was submitted with the PDIWP (P/S 2022) and updated in June 2023 (P/S 2023a).

Parameter	Unit	Depth Interval (ft bgs)			
		4–5	9–10	14–15	15–16
Aroclor 1016	mg/kg	<0.090	<0.018 UJ	<0.021 UJ	<0.027 UJ
Aroclor 1221	mg/kg	<0.090	<0.018 UJ	<0.021 UJ	<0.027 UJ
Aroclor 1232	mg/kg	<0.090	<0.018 UJ	<0.021 UJ	<0.027 UJ
Aroclor 1242	mg/kg	<0.090	<0.018 UJ	<0.021 UJ	<0.027 UJ
Aroclor 1248	mg/kg	<0.090	<0.018 UJ	<0.021 UJ	<0.027 UJ
Aroclor 1254	mg/kg	0.56	<0.018 UJ	<0.021 UJ	<0.027 UJ
Aroclor 1260	mg/kg	<0.090	<0.018 UJ	<0.021 UJ	<0.027 UJ
Aroclor 1268	mg/kg	0.096	<0.018 UJ	<0.021 UJ	<0.027 UJ
Total PCBs, Aroclor specific	**mg/kg**	**0.66**	**<0.018 UJ**	**<0.021 UJ**	**<0.027 UJ**
Monochlorobiphenyl	mg/kg	<0.0035	<0.0036	<0.0041	<0.0054
Dichlorobiphenyl	mg/kg	<0.0035	<0.0036	<0.0041	<0.0054
Trichlorobiphenyl	mg/kg	0.011	<0.0036	<0.0041	<0.0054
Tetrachlorobiphenyl	mg/kg	0.044	<0.0071	<0.0082	<0.011
Pentachlorobiphenyl	mg/kg	0.17	<0.0071	<0.0082	<0.011
Hexachlorobiphenyl	mg/kg	0.098	<0.0071	<0.0082	<0.011
Heptachlorobiphenyl	mg/kg	0.027	<0.011	<0.012	<0.016
Octachlorobiphenyl	mg/kg	0.020	<0.011	<0.012	<0.016
Nonachlorobiphenyl	mg/kg	0.059	<0.018	<0.020	<0.027
Decachlorobiphenyl	mg/kg	0.027 J+	<0.018	<0.020	<0.027
Total PCBs, Homolog specific	**mg/kg**	**0.46 J+**	**<0.018**	**<0.020**	**<0.027**

Exhibit 4. Analytical test results in soil at EP-MW-01

A detection of decachlorobiphenyl was qualified as J+, indicating a numerical value that is likely to be higher than the concentration of the analyte in the sample. Nondetect results for PCB Aroclors

in the 9 to 10, 14 to 15, and 15 to 16 ft bgs intervals were qualified as UJ, indicating that the analytes were not detected above the reported sample quantitation limits, although the reported quantitation limits are approximate. The analytical data were determined to be usable for the intended purpose of determining whether PCBs in soil extended from the surface soil down to the groundwater table in EP-MW-01.

PCB concentrations less than 1 mg/kg in the shallowest soil sample analyzed (from the 4 to 5 ft bgs interval) were consistent with the historical surface soil concentrations in the immediate vicinity of EP-MW-01. PCB Aroclors and PCB homologs were not detected in soil samples collected below 9 ft bgs. The total PCB Aroclor and PCB homolog results for soil in the Eastside Properties were previously reported in the May 2023 Monthly Report (P/S 2023a). These findings indicate that PCBs are not migrating vertically downward through the soil column at EP-MW-01.

3.2 Groundwater Sampling Results

Total PCB Aroclor and total PCB homolog concentrations in groundwater at EP-MW-01 and EP-MW-02 are presented below in Exhibit 5. Data validation was completed in June 2023 and March 2024 in accordance with the procedures specified in the UFP-QAPP that was submitted with the PDIWP (P/S 2022) and updated in June 2023 (P/S 2023b). Nondetect results for PCB 1260 in unfiltered samples collected from EP-MW-01 in April 2023 were qualified as UJ, indicating that the analytes were not detected above the reported sample quantitation limits, although the reported quantitation limits are approximate. The analytical data were determined to be usable for the intended purpose of evaluating whether PCBs have leached from soil to groundwater and migrated downgradient to EP-MW-01 and EP-MW-02.

Sample ID	April 2023		March 2024	
	Total PCB Aroclors (µg/L)	Total PCB Homologs (µg/L)	Total PCB Aroclors (µg/L)	Total PCB Homologs (µg/L)
EP-MW-01-U	<0.5 UJ	<0.5	<0.5	<0.5
EP-MW-01-U (Duplicate)	<0.5 UJ	<0.5	<0.5	<0.5
EP-MW-01-F	<0.5	<0.5	<0.5	<0.5
EP-MW-02-U	<0.5	<0.5	<0.5	<0.5
EP-MW-02-F	<0.5	<0.5	<0.5	<0.5

Exhibit 5. Analytical test results in groundwater at EP-MW-01 and EP-MW-02

As summarized in Exhibit 5, PCBs have not been detected at the Eastside Properties, with all detection limits sufficiently at or below the remedial goal. Individual PCB Aroclor and PCB homolog results for groundwater in the Eastside Properties were previously reported in the June 2023 and March 2024 Monthly Reports (P/S 2023c, P/S 2024). These findings indicate that PTW is not present at the Eastside Properties.

4. RECOMMENDATIONS

PCB concentrations do not exceed the remedial goal of 0.5 µg/L (GW-DQO 1) as confirmed by multiple rounds of groundwater sampling at the Eastside Properties monitoring wells; therefore, no further investigation activities in the Eastside Properties area are proposed. Solutia requests USEPA's concurrence and subsequent approval to plug and abandon the two monitoring wells and two piezometers installed at the Eastside Properties area for purposes of the PDI.

5. REFERENCES

P/S. 2022. *Predesign Investigation Work Plan, Operable Unit 1/Operable Unit 2 Portion of Anniston PCB Site*. June.

P/S. 2023a. *May 2023 Progress Report, Anniston PCB Site, (Docket No. 1:02-cv-0749-KOB), Anniston, Alabama.* June 9.

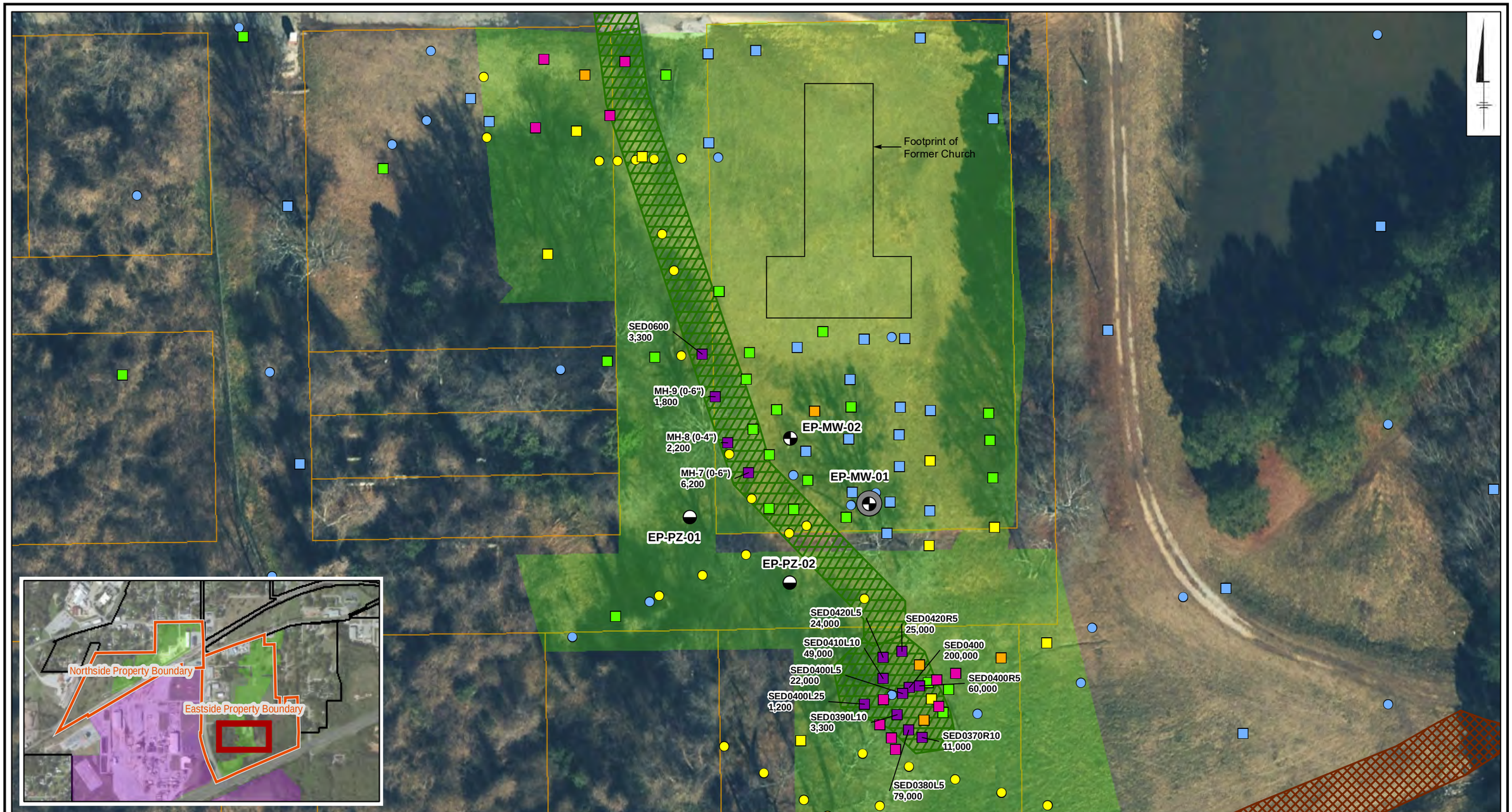
P/S. 2023b. *Revised Operable Unit 1/Operable Unit 2 Uniform Federal Policy Quality Assurance Project Plan*. June 19.

P/S. 2023c. *June 2023 Progress Report, Anniston PCB Site, (Docket No. 1:02-cv-0749-KOB), Anniston, Alabama.* July 10.

P/S. 2024. *March 2024 Progress Report, Anniston PCB Site, (Docket No. 1:02-cv-0749-KOB), Anniston, Alabama.* April 10.

USEPA. 2017. *Record of Decision, Operable Unit 1/Operable Unit 2, Anniston PCB Site, Anniston, Calhoun County, Alabama*. United States Environmental Protection Agency. November.

FIGURES



LEGEND

Total PCB Concentration in Soil (mg/kg) (See Note 3)
- ND to < 1
- ≥ 1 to < 10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500
- ≥ 500

Total PCB Screening Result (Immunoassay) (ppm) (See Note 3)
- < 1; < 5; < 10
- > 10; > 25
- Soil-Geotextile Cover
- OU-3 Boundary

- Footprint of Former Church
- Berm
- HDPE Geomembrane Liner (See Note 2)
- Exposure Unit
- Solutia-Owned Parcels

- Monitoring well for PCB sampling and water level monitoring
- Piezometer for water level monitoring only (to be plugged after gauging)
- Soil boring with PCB depth profile sampling during well installation

Notes:

1. Aerial imagery taken from https://gis.calhouncounty.org/arcgis6/rest/services/ParcelOrthos/MapServer.
2. This includes areas where the HDPE liner is interpreted to be present based on field observations in the interim measure construction.
3. Maximum PCB concentration at any depth in analysis profile shown for each location. Screening data are presented where no analytical data are available. Analytical and screening data are present in the OU-1/OU-2 Remedial Investigation Report.

HDPE: high-density polyethylene
mg/kg: milligrams per kilogram
ND: non-detect
OU: operable unit
PCB: polychlorinated biphenyl
ppm: parts per million

0 50 100 Feet
Graphic Scale

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation

Monitoring Wells and Piezometers Installed in the Eastside Properties Area

Solutia

Figure 1

Div/Group: GSI; Drawn by: CDM; Checked by: WBS
Path: J:\6901-6950\6919 Solutia Anniston OU-1OU-2 PDI Groundwater 2024\Figures\GIS\MXDs\6919_001_01_Fig1_MWs_Piezometers_Installed_EastsidePropertiesArea.mxd

APPENDIX A
Eastside Properties Water Level Elevations

EASTSIDE PROPERTIES WATER LEVEL ELEVATIONS
OU-1/OU-2 PDIWP
ANNISTON PCB SITE

Anniston, Alabama

	EP-MW-01	EP-MW-02	EP-PZ-01	EP-PZ-02	T-20	T-03	OWR-09S	OW-06A
TOC Elevation (ft amsl)	747.76	744.38	745.64	744.57	731.53	746.13	753.16	791.60
BOS Elevation (ft amsl)	720.66	720.37	719.51	720.85	694.36	720.13	700.77	739.85
Northing	1146636.14	1146670.65	1146630.15	1146595.43	1147218.81	1146620.52	1147320.03	1146212.04
Easting	651039.85	650999.23	650946.46	650998.08	650404.15	650515.41	651456.59	650662.41
Date	**Water Level Elevation (ft amsl)**							
10/24/2022	Dry	Dry	724.54	724.33	721.73	729.88	710.27	748.95
11/16/2022	Dry	Dry	724.41	722.26	NM	NM	NM	NM
12/6/2022	Dry	Dry	726.11	727.73	726.86	732.00	707.08	744.01
1/18/2023	737.37	735.17	736.88	739.19	727.65	736.23	705.53	747.97
2/8/2023	739.39	738.83	739.00	739.90	727.51	736.58	707.80	749.70
3/20/2023	738.46	737.87	737.80	739.48	727.23	735.99	719.07	753.57
4/10/2023	739.25	738.74	738.64	739.87	727.47	738.02	720.99	754.65
6/13/2023	734.53	732.92	732.53	736.60	725.39	734.81	719.96	754.71
7/24/2023	Dry	724.02	726.02	728.76	722.92	733.22	716.81	752.66
10/16/2023	Dry	Dry	723.71	721.05	721.78	728.18	709.30	748.17
11/15/2023	Dry	Dry	721.16	Dry	720.62	728.09	706.82	746.61
12/6/2023	Dry	Dry	719.61	Dry	720.41	728.92	705.25	744.38
1/24/2024	Dry	Dry	724.44	725.53	724.55	731.21	702.14	744.50
2/21/2024	736.54	735.02	735.52	738.70	726.80	735.28	701.35	745.33
3/12/2024	739.18	738.71	738.67	739.79	727.61	737.47	701.18	746.16
4/22/2024	731.26	729.18	731.79	735.78	724.29	735.26	701.66	747.53

Notes:
1. Northing and Easting reported for State Plane Alabama East (FIPS 0101 Feet).
3. ft amsl = Feet above mean sea level
   NM = Not Measured
   TOC = top of casing
   BOS = bottom of screen

APPENDIX B

Logs of Soil Boring and Well Construction Diagrams:

EP-MW-01

EP-MW-02

EP-PZ-01

EP-PZ-02

GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

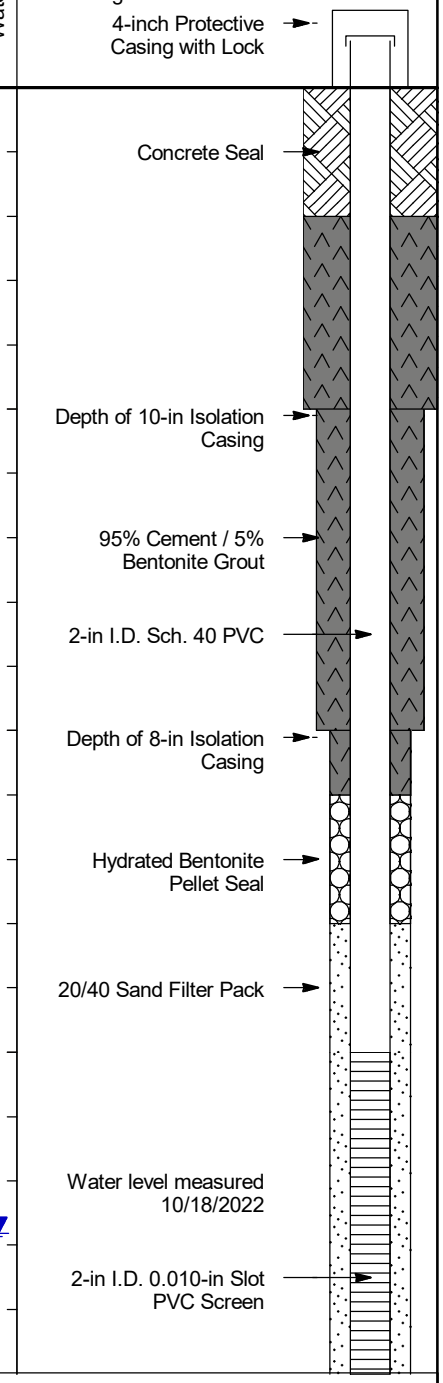
Log of Soil Boring & Well Construction: EP-MW-01

CLIENT Solutia Inc. | **PROJECT NAME** Eastside Properties
GSI JOB NUMBER 6124 | **PROJECT LOCATION** Anniston, AL
DATE STARTED 14 Oct. 2022 **COMPLETED** 19 Oct. 2022 | **GROUND ELEVATION** 745.66 ft msl **DATUM** NAD83
DRILLING CONTRACTOR Cascade Drilling LP, Cory Perkins | **TOP OF CASING ELEVATION** 747.76 ft msl **DATUM** NAD83
DRILLING METHOD Sonic | **NORTHING** 1146636.14 ft **EASTING** 651039.85 ft
DRILLING EQUIPMENT TSi 150CC | **LOGGED BY** S. Robinson, GIT **CHECKED BY** K. Walker Jr., PG
GROUND SURFACE Grassy | **BORING DIAMETER (in)** 6, 8, and 10

Depth (ft bgs)	Soil Description	Lithology	USCS
	GROUND SURFACE		
	FILL - SILT with gravel (ML): dry, very soft, light reddish, minor fine gravel, some organic material in upper 6 in.		
	Light grayish		
	White geotextile liner		
	SILT with sand and gravel (ML): dry, soft, reddish, minor fine to coarse chert gravel, minor coarse sand		ML
5	SAND with silt (SP): dry, very soft, light tan, fine grained		SP
	CLAYEY SILT (ML): dry, very soft, red/brownish		ML
	Minor coarse sand to coarse gravel, dark brownish		
	Medium brownish and reddish, friable with some horizontal parting		
10	Moist, low plasticity, soft		
	SILTY CLAY with sand and gravel (CL): moist, low plasticity, hard, orangish tan mottling, minor coarse sand and fine chert gravel, friable/crumbly		CL
15	6 in chert cobbles		
	Hard, consolidated chert layer		
	SAND with clay (SP): wet, very soft, orangish, medium sand		SP
	CLAY with gravel (CH): moist, high plasticity, firm, orangish tan, mottled, fissile parting/fractures, minor fine to coarse		CH

Sample Type | Blows/ 6 inches | Lab Sample | PID (ppm) | Water Level

Well Diagram and Remarks



(Continued Next Page)

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Houston, TX 77098
Telephone: 713-522-6300

Log of Soil Boring & Well Construction: EP-MW-01

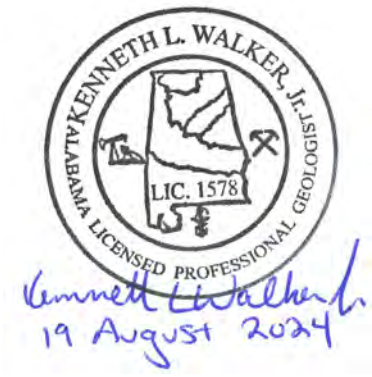
CLIENT Solutia Inc. **PROJECT NAME** Eastside Properties

GSI JOB NUMBER 6124 **PROJECT LOCATION** Anniston, AL

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level	Well Diagram and Remarks
	GROUND SURFACE								
	chert gravel, no water apparent in fractures/parting								
	Very hard, no gravel, orangish/reddish mottled clay with black streaks, slightly crumbly with some horizontal fractures								20/40 Sand Filter Pack →
25	Minor (<5%) chert coarse sand								2-in I.D. Sch. 40 PVC Sump →
									20/40 Sand Filter Pack →
30									Total Depth →

Total Depth = 30.0 feet.

Notes:
1. Horizontal Coordinate System - Alabama State Plane East, NAD83.
2. ft = feet
ft msl = feet above mean sea level
in = inch
I.D. = inner diameter
PVC = polyvinyl chloride
Sch = schedule



GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

Log of Soil Boring & Well Construction: EP-MW-02

CLIENT Solutia Inc. **PROJECT NAME** Eastside Properties

GSI JOB NUMBER 6124 **PROJECT LOCATION** Anniston, AL

DATE STARTED 15 Oct. 2022 **COMPLETED** 19 Oct. 2022 **GROUND ELEVATION** 742.37 ft msl **DATUM** NAD83

DRILLING CONTRACTOR Cascade Drilling LP, Cory Perkins **TOP OF CASING ELEVATION** 744.38 ft msl **DATUM** NAD83

DRILLING METHOD Sonic **NORTHING** 1146670.65 ft **EASTING** 650999.23 ft

DRILLING EQUIPMENT TSi 150CC **LOGGED BY** S. Robinson, GIT **CHECKED BY** K. Walker Jr., PG

GROUND SURFACE Grassy **BORING DIAMETER (in)** 6, 8, and 10

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level	Well Diagram and Remarks
	GROUND SURFACE								4-inch Protective Casing with Lock
	FILL - SILT with sand and gravel (ML): dry, low plasticity, very soft, orangish, minor coarse chert sand and fine to coarse chert gravel, some organic material								Concrete Seal
	Dark brown Soft, light grayish								
	White geotextile liner								
	SILT (ML): moist, soft, reddish		ML						2-in I.D. Sch. 40 PVC
5	Orangish red, moist, low plasticity, firm, minor coarse sand and fine gravel, medium-grained sand stringer (<6" thick)								Depth of 10-in Isolation Casing
	SILTY CLAY with sand and gravel (CL): moist, medium plasticity, firm, reddish, minor medium sand and coarse gravel		CL						95% Cement / 5% Bentonite Grout
	High plasticity								
	Dry to moist, low plasticity, hard, orangish tan mottling, minor coarse chert sand and fine chert gravel, friable/crumbly								Hydrated Bentonite Pellet Seal
10	CLAY (CH): moist, high plasticity, very hard, orangish tan mottling, crumbly		CH						Depth of 8-in Isolation Casing
	Dry to moist, crumbly, light grayish and orangish mottling								
									20/40 Sand Filter Pack
15									
	Black streaking/mottling								
	1/2-inch seam orangish, no plasticity silt							▼	Water level measured 10/18/2022
									2-in I.D. 0.010-in Slot PVC Screen

(Continued Next Page)

GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

Log of Soil Boring & Well Construction: EP-MW-02

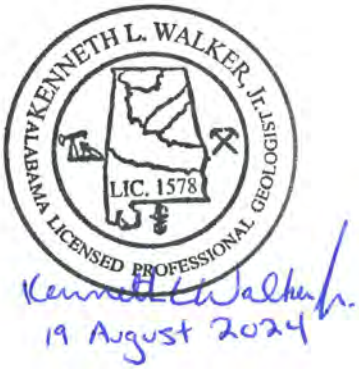
CLIENT Solutia Inc. **PROJECT NAME** Eastside Properties

GSI JOB NUMBER 6124 **PROJECT LOCATION** Anniston, AL

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level	Well Diagram and Remarks
	GROUND SURFACE								
	Hard, reddish with brown mottling (higher silt and lower plasticity), wet, slightly crumbly								2-in I.D. Sch. 40 PVC Sump
25									
	26'-27' brownish clay with increased silt content								20/40 Sand Filter Pack
	29'-30' brownish clay with increased silt content								
30									Total Depth

Total Depth = 30.5 feet.

Notes:
1. Horizontal Coordinate System - Alabama State Plane East, NAD83.
2. ft = feet
ft msl = feet above mean sea level
in = inch
I.D. = inner diameter
PVC = polyvinyl chloride
Sch = schedule



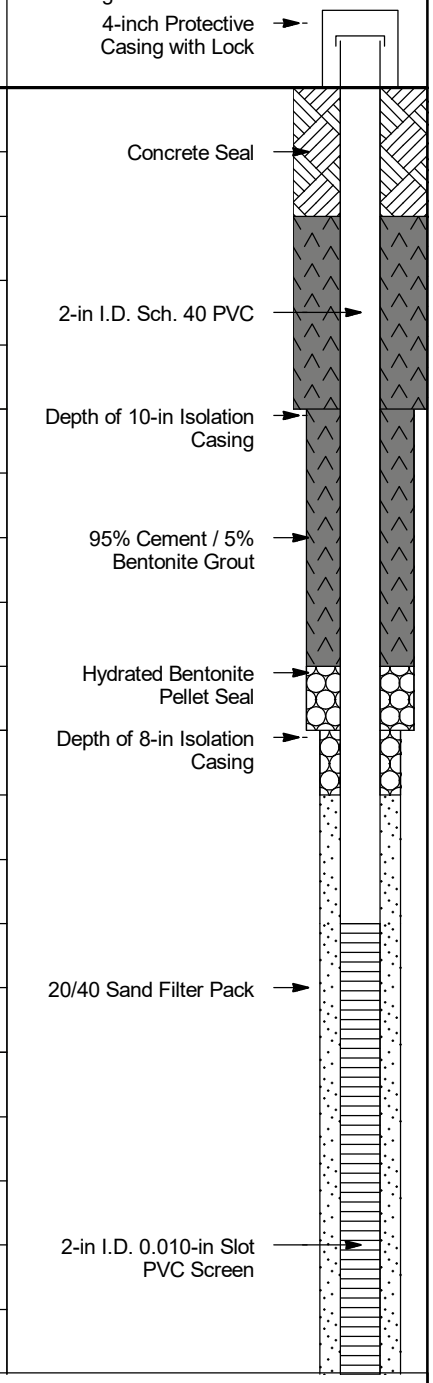
GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

Log of Soil Boring & Well Construction: EP-PZ-01

CLIENT Solutia Inc.
PROJECT NAME Eastside Properties
GSI JOB NUMBER 6124
PROJECT LOCATION Anniston, AL
DATE STARTED 17 Oct. 2022 **COMPLETED** 19 Oct. 2022
GROUND ELEVATION 742.51 ft msl **DATUM** NAD83
DRILLING CONTRACTOR Cascade Drilling LP, Cory Perkins
TOP OF CASING ELEVATION 745.64 ft msl **DATUM** NAD83
DRILLING METHOD Sonic
NORTHING 1146630.15 ft **EASTING** 650946.46 ft
DRILLING EQUIPMENT TSi 150CC
LOGGED BY S. Robinson, GIT **CHECKED BY** K. Walker Jr., PG
GROUND SURFACE Grassy
BORING DIAMETER (in) 6, 8, and 10

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level
	GROUND SURFACE							
	FILL - SILT with sand and gravel (ML): moist, low plasticity, soft, orangish, minor coarse chert sand and fine chert gravel, some organic material							
	White geotextile liner							
	SILT with sand and gravel (ML): dry, soft, brownish, minor coarse chert sand and fine to coarse chert gravel, grades red at 2.5 ft		ML					
	Moist, reddish, decreased sand, friable/crumbly							
	Orangish light tan mottling							
5	Minor coarse chert sand to coarse chert gravel							
	Friable/crumbly with minor fractures, no gravel, increased silt							
	Yellowish/orangish with reddish mottling							
10								
	SILTY CLAY with sand and gravel (CL): moist, low plasticity, soft, orange, red, and light grayish mottling, minor coarse chert sand to fine chert gravel, friable/crumbly		CL					
15								
	3-inch coarse, black, chert, gravel layer							
	CLAY (CH): moist, high plasticity, hard, orangish light gray and reddish mottling, crumbly		CH					
	Coarse chert sand to black, coarse, chert gravel							
	CLAYEY SILT (ML): moist, medium plasticity, hard, light brownish, some reddish and orangish mottling, minor coarse		ML					

Well Diagram and Remarks



(Continued Next Page)

GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

Log of Soil Boring & Well Construction: EP-PZ-01

CLIENT Solutia Inc. **PROJECT NAME** Eastside Properties

GSI JOB NUMBER 6124 **PROJECT LOCATION** Anniston, AL

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level	Well Diagram and Remarks
	GROUND SURFACE								
	chert sand to coarse chert gravel, crumbly								
	Purple mottling								
	CLAY with silt (CL): moist, medium plasticity, firm, dark brownish and pink with orange mottling, less plasticity in the dark brown, silty material		CL						
	SILT with gravel (ML): moist to wet, low plasticity, soft, medium brownish, minor fine chert gravel to chert cobbles		ML						
	CLAY (CH): moist, high plasticity, hard, pinkish to whitish mottling, crumbly		CH						
25									
	Pinkish with tan, light gray, and black mottling								
	Total Depth = 27.0 feet.								

Water level measured 10/20/2022

2-in I.D. Sch. 40 PVC Sump

20/40 Sand Filter Pack

Total Depth

Notes:
1. Horizontal Coordinate System - Alabama State Plane East, NAD83.
2. ft = feet
ft msl = feet above mean sea level
in = inch
I.D. = inner diameter
PVC = polyvinyl chloride
Sch = schedule

KENNETH L. WALKER, JR. GEOLOGIST
ALABAMA LICENSED PROFESSIONAL
LIC. 1578
Kenneth L. Walker Jr.
19 August 2024

GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

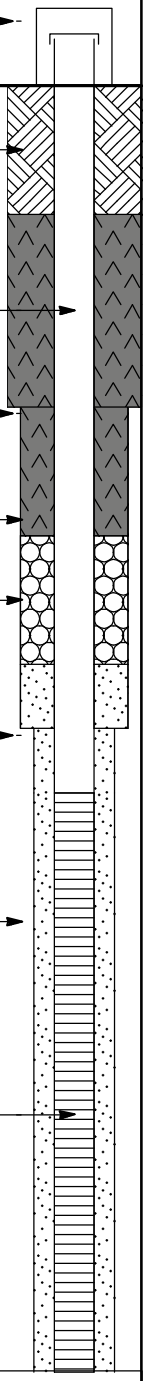
Log of Soil Boring & Well Construction: EP-PZ-02

CLIENT Solutia Inc. | **PROJECT NAME** Eastside Properties
GSI JOB NUMBER 6124 | **PROJECT LOCATION** Anniston, AL
DATE STARTED 17 Oct. 2022 **COMPLETED** 19 Oct. 2022 | **GROUND ELEVATION** 741.85 ft msl **DATUM** NAD83
DRILLING CONTRACTOR Cascade Drilling LP, Cory Perkins | **TOP OF CASING ELEVATION** 744.57 ft msl **DATUM** NAD83
DRILLING METHOD Sonic | **NORTHING** 1146595.43 ft **EASTING** 650998.08 ft
DRILLING EQUIPMENT TSi 150CC | **LOGGED BY** S. Robinson, GIT **CHECKED BY** K. Walker Jr., PG
GROUND SURFACE Grassy | **BORING DIAMETER (in)** 6, 8, and 10

Depth (ft bgs)	Soil Description	USCS
	GROUND SURFACE	
	FILL - SILT with sand and gravel (ML): moist, low plasticity, hard, orangish, minor coarse chert sand and fine chert gravel, some organic material	
	HDPE liner with 2-inch drainage layer of coarse sand to fine gravel	ML
	SILT with sand and gravel (ML): dry, very soft, dark brownish, minor coarse chert sand and fine chert gravel	
	CLAYEY SILT with sand and gravel (ML): moist, low plasticity, very hard, medium brownish, minor coarse chert sand and fine chert gravel	
	Chert cobbles	
5		
	CLAY with sand and gravel (CL): moist, medium plasticity, soft, reddish and light grayish mottling, minor coarse chert sand to coarse black chert cobbles, friable/crumbly	CL
	Yellowish	
10		
	Light purplish, reddish, and orangish mottling, wet clay mixture in partings	
	CLAYEY SILT with gravel (ML): moist, low plasticity, hard, light grayish and tan mottling, crumbly	ML
15	3-inch black, fine, chert gravel layer	
	CLAY (CL): moist, medium plasticity, hard, orangish, light grayish and reddish mottling, crumbly, minor silt	CL
	CLAYEY SILT (ML): moist, medium plasticity, hard, tan with light grayish and orangish mottling	ML
	SILTY CLAY (CL): moist, medium to high plasticity, very hard, light grayish, pinkish, and tan mottling, maroon silt	CL

Lithology | Sample Type | Blows/ 6 inches | Lab Sample | PID (ppm) | Water Level

Well Diagram and Remarks



(Continued Next Page)

GSI Environmental Inc.
2211 Norfolk St. Suite 1000
Houston, TX 77098
Telephone: 713-522-6300

Log of Soil Boring & Well Construction: EP-PZ-02

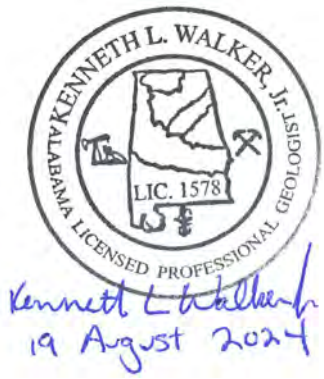
CLIENT Solutia Inc. **PROJECT NAME** Eastside Properties

GSI JOB NUMBER 6124 **PROJECT LOCATION** Anniston, AL

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level	Well Diagram and Remarks
	GROUND SURFACE								
	throughout								
	Light grayish and tan mottled clay with increased silt								2-in I.D. Sch. 40 PVC Sump
	CLAY/SILT (CL/ML): moist, low plasticity, soft, whitish and tan mottling, minor coarse chert gravel to chert cobbles		CL-ML						20/40 Sand Filter Pack
25	CLAY with gravel (CL): moist, medium to high plasticity clay, minor reddish coarse gravel to cobbles, friable/crumbly		CL						Total Depth

Total Depth = 25.5 feet.

Notes:
1. Horizontal Coordinate System - Alabama State Plane East, NAD83.
2. ft = feet
ft msl = feet above mean sea level
in = inch
I.D. = inner diameter
PVC = polyvinyl chloride
Sch = schedule



APPENDIX C
Waste Manifest No. 006459499

BOX# 25372
PO#53103091

CWMI

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
ALD004019048	1	(800)424-9300	006459499 GBF

GENERATOR

5. Generator's Name and Mailing Address
SOLUTIA INC
702 CLYDESDALE AVE
ANNISTON AL 36201-5328
Generator's Phone: (256)231-8549

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ROBBIE D. WOOD INC.
U.S. EPA ID Number: ALD067138891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
HIGHWAY 17 NORTH, MILE MARKER 163
EMELLE AL 35459
Facility's Phone: (205)652-9721
U.S. EPA ID Number: ALD000622464

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS,SOLID MIXTURE,9,III ~~HW~~ CM9879 ~~BK9714~~	1	CM	~~41000~~ ~~LBS.~~ 4627	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. ERG -171
OUT OF SERVICE DATE: 10/25/22

ERI PROVIDER CHEMTREC CONTRACT (CCN24117) PO#53103091

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Heather Hollingsworth
Signature: Heather Hollingsworth
Month 10 Day 25 Year 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Lorenzo Bay
Signature
Month 10 Day 25 Year 22
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tammy Thrash
Signature: Tammy Thrash
Month 10 Day 25 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

537399

Waste Management
Emelle Facility
WEIGHED ON CARDINAL SCALES

GROSS 44500 lb
02:17PM 10/25/2022 GROSS

GROSS 34300 lb TARE
02:46PM 10/25/2022 NET

10200
4627K

Customer: Solutia

Transporter: RDW

Truck #: 487 Trailer #: 25372

Receipt #: 582488 Manifest #: 006459499GBF

DIGITAL WEIGHT INDICATOR & PRINTER
WEIGHED BY H

510-EMELLE

APPENDIX D
Well Development Logs

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No: EB-MW-01
Location: Eastside Property-Nor.
Installation Date: 10/14/22

GSI Job No: 6124
Date: 10/18/22
Personnel: STR, EBH
Development Method: Monsoon Pump

Measured Well Depth: 27.15
Depth to Water: 17.82'

Well Diameter (I.D., in): 2"
Well Casing Volume (gal):

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q)	Sample Appearance / Odor	Temp (°F)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL (ft, ~~TOC~~ bgs)	Remarks
.5	1043	800 ml/min	cloudy / orange	14.3	7.28	250.5	>1000	1.03	-6.2	19.40	
1.2	1047	" "	" "	14.1	6.90	246.5	>1000	0.83	-27.4	20.56	
1.4	1051	NM	" "	15.2	6.62	248.2	>1000	0.90	-30.3	22.11	
2.5	1057	1400	" "	16.0	6.79	251.6	>1000	1.59	-29.9	@ or below screen	(25 ft)
3.1	1103	1500	" "	15.4	6.82	245.7	>1000	2.34	-7.3	24.37	pumped all or most water out
	1120	1500	" "	14.4	7.15	247.9	>1000	3.67	69.6	24.44	
				Well	Pumped	Dry					

750

Stopped for recharge

After Development: Measured Well Depth: _____ Depth to Water: _____

1-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
4-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

Notes: 27.15 − 17.82 = 9.33 × 0.16 = 1.49 gal or 5.65 Liters

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No ~~AA~~ FP-MW-02
Location Eastside Properties
Installation Date 10/15/22

GSI Job No 6124
Date 10/18/22
Personnel STP, EBH
Development Method Monsoon pump

Measured Well Depth 24.25
Depth to Water 18.50

Well Diameter (I.D., in) 2"
Well Casing Volume (gal) 0.92 gal

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q) ~~mL/min~~	Sample Appearance / Odor	Temp ~~°F~~ °C	pH	Specific Conductivity ~~µS~~/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL ~~BGS~~ (ft, ~~TOC~~)	Remarks
0	1214	~~10~~ 1400	cloudy ~~strong~~	16.5	7.71	431.6	71000	5.13	72.9	20.26	
~~4200~~ ~1.0	1219	700	" "	17.6	7.40	454.7	71000	6.34	~~45~~ 58.6	NA	water level below pump level, lowered pump 6" off TD.
~1.5	1221			well	pumped		dry			21.50	

After Development: Measured Well Depth: _____ Depth to Water: _____

1-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
4-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

Notes: 24.25 - 18.50 = 5.75 x 0.16 = 0.92 gallons or 3.48 liters

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No: EP-MW-01
Location: EP
Installation Date: Oct. 2022

GSI Job No: 64916
Date: 3/20/23
Personnel: EGK, BWA
Development Method: bailer

Measured Well Depth: 29.72
Depth to Water: 9.30
Well Diameter (I.D., in): 2"
Well Casing Volume (gal): 3.27

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q)	Sample Appearance / Odor	Temp °C (°F)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL (ft, TOC)	Remarks
1 bail	1632	–	Brown slight clear	15.10	5.74	0.15	OOR	3.77	38.7	9.30	
3.27	1640		Cloudy no odor	15.01	5.60	0.10	728	4.46	42.3	12.00	
6.01	1651		Somewhat cloudy "	15.27	5.45	0.10	215	3.56	26.9	14.31	
9.81	1703		Somewhat cloudy "	15.12	5.27	0.09	169	3.27	166.7	14.22	
13.08	1710		Clear "	14.45	5.44	0.09	94.6	4.62	91.5	13.51	
16.35	1724		Somewhat cloudy "	14.56	5.60	0.09	50.7	4.44	95.1	14.65	
19.62	1739		" "	13.95	5.36	0.09	69.2	5.33	94.5	14.68	
22.8	1752		" " "	~~12.95~~	5.27	0.08	14.1	3.84	120.6	12.50	Temp: 14.15
26	1804		" " "	~~14.15~~	5.32	0.08	6.64	5.81	130.4	12.93	Temp: 13.87
29.3	1817		" "	12.93	5.46	0.08	8.13	5.43	135.0	13.31	
32.57	1828		more silt at bottom	14.11	5.23	0.09	61.2	2.98	142.2	13.50	Ending TD: 29.72
32.8	1107		clear	16.78	5.67	0.12	24.7	4.31	189.2	9.45	
36	1125			16.55	5.41	0.10	32.0	3.91	195.8	12.75	
39.2	1136			16.57	5.38	0.08	89.9	3.62	179.9	13.75	
42.4	1148			16.61	5.38	0.08	41.4	3.41	172.8	13.16	
47.0	1202			16.52	5.37	0.08	30.5	4.60	163.6	13.50	
50	1215			16.54	5.38	0.09	31.7	3.55	163.6	13.55	
53	1225			17.33	5.37	0.08	29.7	3.48	169.2	16.09	
56	1330			17.00	5.35	0.09	57.0	3.00	170.1	15.1	
59	1253			16.75	5.39	0.08	31.3	3.38	177.7	12.10	
62	1344			17.24	5.33	0.08	35.6	2.96	186.3	14.10	
65	1355			16.57	5.34	0.08	41.3	3.16	191.0	15.24	
68	1406			16.57	5.38	0.08	~~41.3~~	4.78	195.9	13.8	TURB: 37.6
71	1427			18.23	5.33	0.08	15.5	3.20	204.5	NM	

3/21/23

Dump purge & launch

After Development: Measured Well Depth: _____ Depth to Water: _____

1-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
4-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

Notes: _____

29.72 − 9.30 = 20.42

20.42 × 0.16 = ~~3.26~~
3.27 gallons.

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No: EP-MW-01
Location: EP
Installation Date: Oct. 2022

GSI Job No: 64496
Date: 3/20/23 - 3/22/23
Personnel: EGK, BWA
Development Method: bailer

Measured Well Depth: 29.72
Depth to Water: 9.30
Well Diameter (I.D., in): 2"
Well Casing Volume (gal): 3.27

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q)	Sample Appearance / Odor	Temp (°F)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL (ft. TOC)	Remarks
74	1441			18.30	5.30	0.08	13.6	3.06	204.0	11.25	
77	1453			18.27	5.36	0.08	10.8	3.40	203.3	13.81	
80	1504			18.53	5.34	0.08	11.1	3.49	202.4	14.60	
83	1528			16.95	5.39	0.08	9.26	3.89	213.1	14.50	
86	1544			16.27	5.35	0.09	9.08	@3.70	210.8	15.50	
89	1557			16.20	5.36	0.09	11.0	3.56	211.3	14.20	
92	1608			16.06	5.37	0.08	9.91	4.12	207.1	14.30	
95	1619			16.01	5.34	0.09	7.04	3.47	212.0	14.40	
98	1711			16.09	5.33	0.08	12.4	3.45	216.1	12.71	
101	1722			17.41	5.35	0.10	30.1	3.63	204.5	NM	
104	1750			16.8	5.35	0.10	34.0	3.87	206.8	12.50	
107	750			15.45	5.31	0.16	48.5	3.76	222.6	11.52	
110	802			15.22	5.21	0.10	13.7	4.08	220.8	12.00	
113	814			15.15	5.12	0.08	8.54	3.99	217.0	13.82	
116	827			15.18	5.13	0.08	5.28	3.50	215.0	14.42	
119	840			15.35	5.17	0.09	4.68	3.58	212.1	12.6	
	955	300					18.2				
	1000	200					11.8				
	1003	200					9.14				
	1007	175					6.99				
	1012	175					6.19				
	1029	175					3.13				
	1047	175					3.38				
	1103	175					4.76				

3/22/23 Starting SWL 9.56

pumping 3/24/23

After Development: Measured Well Depth: 29.72
Depth to Water: 12.16

1-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
4-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

Notes:

* Set Well @ 22.1 ft btoc

* Black duct tape on air intake

pump length = 1.12 ft

WLM@ 20.98

CPM3 Refill: 12
Discharge: 5
@ 70 psi = 175 mL/m

Compressor Settings:
CPM4 Refill: 10
Discharge: 5
@ 78 psi = 200 mL/m

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No: EP-MW-02
Location: EP
Installation Date: Oct. 2022

GSI Job No: 6496
Date: 3/22/23
Personnel: EGK, BWA
Development Method: bailing

Measured Well Depth: 26.65
Depth to Water: 6.86
Well Diameter (I.D., in): 2"
Well Casing Volume (gal): 3.17

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q)	Sample Appearance / Odor	Temp °C (°F)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL (ft. TOC)	Remarks
0.60	909		cloudy / strong	15.33	5.05	0.15	>1000	5.17	161.8	10.50	
3.7	920		" "	15.52	4.99	0.14	307	5.46	182.8	13.22	
7.4	935		" "	16.25	5.14	0.14	>1000	5.44	220.6	15.32	
10.6	948		" "	15.84	5.05	0.14	>1000	6.93	217.7	16.91	
13	1001		" "	15.90	5.10	0.14	>1000	6.80	226.2	~~18~~ 17.95	
16	1015		" "	17.31	5.11	0.13	>1000	6.21	241.5	17.68	
19	1025		less cloudy less odor	16.95	5.21	0.13	343	7.65	230.6	15.35	
22	1041		" "	17.49	5.22	0.10	150	7.43	127.9	16.00	
25	1113		" "	20.31	5.14	0.14	172	7.59	189.2	15.6	
28	1132		" "	16.66	5.10	0.13	162	7.40	213.0	13.61	
31	1147			15.88	5.47	0.15	14.9	7.33	217.5	12.45	
34	1204			20.86	5.25	0.14	43.3	6.78	231.9	10.9	
37	1217			19.23	5.16	0.14	125	~~339~~ 7.9	235.9	11.95	~~46.50~~
40	1243			16.75	5.29	0.14	221	7.94	241.2	16.73	
43	1255			17.02	5.39	0.16	114	7.94	240.1	14.82	
58	1752			17.47	5.26	0.14	>1000	6.89	257.6	22.60	
64	1812			—	—	—	—	—	—	23.5	Purged dry
—	901		—	—	—	—	—	—	—	7.25	
77	938		slightly cloudy / pale yellow	—	—	—	106	—	—	22.85	
—	1042		—	—	—	—	—	—	—	7.11	*Restart at 1042
89	1121		slightly cloudy / pale yellow	~~32.73~~	~~5.47~~	0.15	105	7.46	192.2	22.35	** Set in casing for a few minutes
—	1512			~~21.90~~	~~5.47~~	0.17		~~8.45~~	~~191.5~~	~~7.08~~	
101	1547		slightly cloudy / pale yellow	21.90	5.37	0.17	136	8.43	197.5	19.15	
113	1641			22.37	5.45	0.16	231	8.30	225.0	21.35	

Restart (at 1711 3/23/23) SWL = 6.91 ft → 5.37

Watered approx 10 min for recharge to start

After Development: Measured Well Depth: _____ Depth to Water: _____

4-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
1-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

Notes: _____

1000

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No: EP-MW-02
Location: EP
Installation Date: Oct-22

GSI Job No: 6494
Date: 3/23/22
Personnel: ECK + BWK
Development Method: bailing

Measured Well Depth: 26.05
Depth to Water: 10.90
Well Diameter (I.D., in): 2"
Well Casing Volume (gal): 3.17

~~TW~~ Bailer breakoff occurred approx. @ 830. Another restart occurs.

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q)	Sample Appearance / Odor	Temp (°F)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL (ft, TOC)	Remarks
~~—~~	~~NM~~									9.45	~~Restart of bailing~~
—	816	—		—	—	—	—	—	—	7.95	Restart of bailing
*** —	820	—		—	—	—	—	—	—	7.25	Restart of bailing
131	1015			18.65	5.50	0.15	366	8.37	203.2	22.1	26.05 ↓ TD
135	1045			19.02	5.48	0.15	36.4	7.72	197.7	NM	
139	1055			19.07	5.43	0.16	54.8	7.83	204.5	~~NM~~	SWL= 13.6
	1315	150					10.6				
	1325	150					6.36				
	1335	150					6.10				
	1345	150					3.01				
	1355	150					2.93				

+15 pumping 3/24/23

After Development: Measured Well Depth: 26.05 Depth to Water: 13.6

1-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
4-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

Notes:

pump length: 1.12 ft
Middle of Screen: 19
set pump @: 17.88

Controller Settings
~~RPM~~ CPM4
Discharge: 5
Refill: 10 = 150 mL/min
PSI = 70

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No: EP-PZ-01
Location: EP
Installation Date: Oct. 2022

GSI Job No: 6496
Date: 3/22/23
Personnel: EC, IC
Development Method: bailer

Measured Well Depth: 27.52
Depth to Water: 3.28

Well Diameter (I.D., in): 2"
Well Casing Volume (gal): 3.08

x5 Rentals 130

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q)	Sample Appearance / Odor	Temp (°F)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL (ft, TOC)	Remarks
3	1136			17.52	5.48	0.17	>1000	4.43	211.1	NM	
6	1227			17.15	5.43	0.16	816	4.48	237.5	NM	
9	1240			17.80	5.37	0.17	296	3.31	245.5	NM	
12	1740			18.29	5.34	0.18	136	4.11	249.7	NM	
15	1809			16.41	5.41	0.17	>1000	4.37	265.1	NM	
21	1835			16.35	5.53	0.18	>1000	4.06	260.9	NM	
24	1326			21.48	5.40	0.19	335	4.83	195.8	NM	
28	1354			21.48	5.35	0.18	42.4	4.31	196.2	NM	
31	1343			21.44	5.39	0.16	56.4	4.92	195.6	NM	

After Development: Measured Well Depth: _____ Depth to Water: _____

1-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
4-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

Notes: _____

GSI ENVIRONMENTAL

WELL DEVELOPMENT RECORD

Well No: EP-PZ-02
Location: Eastside properties
Installation Date: oct. 2022

GSI Job No: 6496
Date: 3/20/23
Personnel: EGK, BWA
Development Method: low agitation bailing

Measured Well Depth: ~~22.02~~ 25.11
Depth to Water: 5.09
Well Diameter (I.D., in): 2"
Well Casing Volume (gal): ~~2.71~~ 3.2

DEVELOPMENT INFORMATION

Volume Purged (gal)	Time	Pumping Rate (Q)	Sample Appearance / Odor	Temp (°F)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox (mV)	SWL (ft. TOC)	Remarks
MSS 0.125	[redacted]		orange/brown turbid	15.52	4.91	152.64	[redacted]	3.52	142.3		
0.5	1503		clear	15.33	4.93	142.58	10.5	3.42	234.9	8.70	
3.5	1514		partly turbid	16.10	5.23	172.77	124	3.37	169.4	13.87	
6.5	1535		" slight odor	15.65	5.21	0.18	196	2.42	75.0	17.04	
9.5	1558		" " slight odor	16.08	5.16	0.19	150	2.83	93.4	20.01	
~~12.5~~	1608		" " slight odor	17.06	5.33	0.18	545	5.04	61.0	23.1**	
15.5	1018			16.98	5.41	0.28	44.3	6.99	228.3	NM	
18.5	1031			17.34	5.32	0.21	184	7.71	218.7	NM	
21	1047			17.46	5.38	0.21	150	6.53	119.3	~~NM~~ NM	
24	825		less clear pale yellow	17.76	5.82	0.33	115	7.37	227.5	NM	
27	842		less clear pale yellow	17.23	5.42	0.20	108	6.13	220.6	NM	
30	908		+ pale yellow	17.67	5.54	0.19	509	7.24	147.7	NM	

MSS = mS/cm
* Out of range
** measured 25.11 as TD DRY
Note cloudy than previous

After Development: Measured Well Depth: _____ Depth to Water: _____

1-Inch Well: (Well Total Depth – Depth to Water) x 0.041 = Well Casing Volume (gal)
2-Inch Well: (Well Total Depth – Depth to Water) x 0.16 = Well Casing Volume (gal)
4-Inch Well: (Well Total Depth – Depth to Water) x 0.65 = Well Casing Volume (gal)

2.7 gal

Notes: Original TD measured w/ bailer in well.
Actual well volume is 3.2 gal.

APPENDIX E
Purging Logs

GSI ENVIRONMENTAL

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 64496 Date: 4/11/22 Personnel: JA

Project: OU1/OU2 EP Client: Solutia Page: 1 of 1

Well ID: EP-MW-01 Starting Water Level 8.05 Time: 915

Total Depth: 29.75 Ending Water Level 8.90 Time: 954

Purging Time: On: 918 Evacuation Method: portable bladder pump

Off: 954 Volume in Well (gallons): 3.39 gal

Well Depth: 29.72 ft Evacuation Rate (gal/min): 0.05 gal/min

Screen Depth: ~19-29 ft Total Volume Removed (gallons): ~2.5 gal

WLM D1201

Pump 4462

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
918	9.19	300	15.75	7.07	18.1	0.11	2.02	145.0	clear, none
921	9.00	200	15.77	6.52	5.53	0.11	1.37	144.1	" "
924	8.89	200	15.82	6.33	3.77	0.11	1.04	92.6	" "
929	8.90	200	16.08	6.06	1.10	0.10	0.78	104.6	" "
934	8.90	200	16.18	6.02	1.17	0.10	0.74	117.6	" "
939	8.90	200	16.14	5.98	0.90	0.10	0.69	129.7	" "
944	8.90	200	16.37	5.97	1.30	0.10	0.68	136.6	" "
949	8.90	200	16.33	5.97	1.02	0.10	0.70	138.2	" "
954	8.90	200	16.46	6.00	1.25	0.10	0.70	140.1	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

Sampled:

EP-MW-01-U-20230411 + MS/MSD

EP-MW-DUP-U-20230411

EP-MW-01-F-20230411

EP-MW-DUP-F-20230411

CPM 4- 2sec discharge

GSI ENVIRONMENTAL

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 64916 Date: 4/11/23 Personnel: EGK

Project: Eastside properties Client: Solutia Page: 1 of 1

Well ID: EP-MW-02 Starting Water Level: 5.78 Time: 915

Total Depth: 26.65 Ending Water Level: 6.46 Time: 951

Purging Time On: 951 Evacuation Method: low flow bladder pump

Off: 1033 Volume in Well (gallons): ~~~1.5 gal~~ 3.34

Well Depth: 26.01 Evacuation Rate (gal/min): 200

Screen Depth: 14.01 - 24.01 Total Volume Removed (gallons): ~1.5

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
928	6.36	225	16.22	5.40	1.39	0.19	3.90	212.9	
931	6.40	125	16.19	5.39	1.38	0.18	4.11	215.0	
936	6.46	200	16.27	5.40	0.91	0.18	4.22	218.3	
941	6.48	200	16.15	5.41	0.36	0.18	4.23	223.4	
946	6.47	200	16.20	5.41	0.52	0.18	4.23	225.0	
951	6.46	200	16.15	5.43	0.40	0.18	4.32	226.2	

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

CPM4 Refill: 10
psi 70 Discharge: 5

(QQQ)

GSI ENVIRONMENTAL

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 6919 | Date: 3/13/24 | Personnel: MW, LCM

Project: Solutia Anniston ~~RCRA~~ ESP GW Sampling | Client: Solutia | Page: 1 of 1

Well ID: EP-MW-01 | Starting Water Level 8.79 | Time: 9:12

Total Depth: 29.68 ft BTOC | Ending Water Level 9.17 | Time: 10:04

Purging Time: On: 9:16 | Evacuation Method: Bladder Pump sample pro.

Off: ~~9:54~~ 10:04 | Volume in Well (gallons): 3.34

Well Depth: 29.68 ft BTOC | Evacuation Rate (gal/min): 0.06

Screen Depth: 17.1 - 27.1 ft Btoc | Total Volume Removed (gallons): 2

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
916 ~~9:54~~	9.11	250	14.84	~~4~~4.39	5.46	108.94	5.82	272.4	clear, no odor
9169	9.41	250	15:33	4.18	3.89	101.53	5.45	273.6	" " adjusted PSI
922	9.19	50	15.40	4.34	2.04	97.35	5.39	277.7	" "
925	9.27	200	15.18	4.26	2.41	96.14	5.48	281.6	" "
928	9.M	w100	15.53	4.35	1.58	93.20	5.41	282.0	" "
931	9.09	100	15.10	4.19	1.93	93.91	5.38	282.2	" "
934	9.52	250	15.61	4.15	1.72	94.74	5.54	284.6	" "
937	9.35	150	15.50	4.27	3.22	94.88	5.44	285.9	" "
940	9.40	150	15.64	4.30	1.41	90.99	5.53	289.1	" "
943	9.43	150	15.73	4.31	0.98	90.19	5.53	293.3	" "
946	9.43	150	15.76	4.29	0.91	90.43	5.50	298.5	" "
1003~~4~~	9.17	150	15.96	4.27	1.04	90.42	5.56	290.6	" *

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

PSI: 30
CPM 4
2sec discharge

PSI = 20 @ 920
PSI = 25 @ 922

@931 PSI: 20
CPM: 5
4sec disch.

[@937 PSI: 15
CPM: 5
4sec disch.] = 150mL/min.

*car battery turned off at ~948 took extra reading to ensure stability

GSI ENVIRONMENTAL

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 6919 | Date: 3/13/24 | Personnel: MW, LCM

Project: Solutia Anniston RCRA GW Sampling | Client: Solutia | Page: 1 of 1

Well ID: EP-MW-02 | Starting Water Level: 5.85 | Time: 1122

Total Depth: 26.65 | Ending Water Level: 7.36 | Time: 1151

Purging Time: On: 1125 | Evacuation Method: Bladder Pump

Off: 1151 | Volume in Well (gallons): 3.32

Well Depth: 26.65 ft btoc | Evacuation Rate (gal/min): 0.06

Screen Depth: 14-24 ft btoc | Total Volume Removed (gallons): 2

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1125	6.09	100	19.31	4.29	3.79	240.97	6.51	243.7	clear no odor
1128	6.85	250	16.84	4.43	4.87	240.26	5.36	254.0	" "
1131	6.85	200	~~17.60~~ 17.26	4.32	4.41	240.27	5.20	267.0	" "
1134	7.12	200	16.50	4.35	2.78	240.55	5.16	267.8	" "
1137	7.24	200	16.45	4.44	2.38	242.60	5.12	274.6	" "
1140	7.32	200	16.45	4.48	1.70	249.61	5.02	277.2	" "
1143	7.34	200	16.37	4.56	1.35	258.92	4.89	279.0	" "
1146	7.37	200	16.25	4.63	0.94	269.03	4.75	276.7	" "
1149	7.39	200	16.16	4.65	0.75	276.03	4.62	276.3	" "
1151	7.36	250	16.18	4.69	1.06	276.69	4.55	277.2	" "

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

CPM 5

discharge: 4.0

PSI: ~~15~~ 15

APPENDIX F
Sampling Logs

GSI ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

GSI Job No.: ~~6488~~ 6496 Date: 4/11/23 Personnel: JA

Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1

Well ID: EP-MW-01 Begin Time: 954 End Time: 1139

Weather: sunny Site Conditions: good

COC ID #1: EP_MW-01-U-20230411 = Original Sample COC ID #2: EP-MW-DUP-U-20230411 = Duplicate

COC ID #3: — = Field Blank COC ID #4: EP-MW-01-U-20230411 = MS/MSD

COC ID #5: EP-MW-01-F-20230411 = Original Sample (Filtered) COC ID #6: EP-MW-DUP-F-20230411 = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: (°F / °C) 16.46 Color/ Appearance: clear

pH: (Standard Units) 6.00 Odor: none

Turbidity: (NTU) 1.25 DO: (mg/L) 0.70

Conductivity: (µmhos/cm) 0.10 ORP: (mV) 140.1

Sampling Method/ Material: ~~dedicated~~ portable bladder pump with teflon lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
—	1 L glass vial with no preservative for SVOC analysis (8270)	
—	1 L glass vial with no preservative for Organophos. Pest analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis (homolog)	
4	1 L glass vial with no preservative for PCB analysis (filtered)	
8	250 mL ~~plastic with HNO3 for metals analysis (see COC for exact metals)~~ glass vial, no pres for PCB aroclor	
4	250 mL ~~plastic with HNO3 for metals analysis (filtered)~~ glass vial, no pres for PCB Aroclor (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / (NO)
1,2,4-Trichlorobenzene: YES / (NO)
Trichloroethene: YES / (NO)

SVOCs (8270)

1,2-Dichlorobenzene YES / (NO)
1,4-Dichlorobenzene YES / (NO)
Indeno(1,2,3-cd)pyrene YES / (NO)
4-Nitrophenol YES / (NO)
Pentachlorophenol YES / (NO)
2,4,6-Trichlorophenol YES / (NO)
o,o,o-Triethylphosophorothioate YES / (NO)

PCBs (8082)

Arochlors (YES) / NO
Homologs (YES) / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotepp YES / (NO)
Parathion YES / (NO)

METALS (6010)

Beryllium YES / (NO)
Cobalt YES / (NO)
Manganese YES / (NO)

MERCURY (7470)

Mercury YES / (NO)

GSI ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

GSI Job No.: 6496 Date: 4/11/23 Personnel: EGK

Project: Eastside Properties Client: Solutia Page: 1 of 1

Well ID: EP-MW02 Begin Time: 957 End Time: 1033

Weather: Sunny, cool Site Conditions: good / grassy

COC ID #1: EP-MW-02U-20230411 = Original Sample COC ID #2: — = Duplicate

COC ID #3: — = Field Blank COC ID #4: — = MS/MSD

COC ID #5: EP-MW-02F-20230411 = Original Sample (Filtered) COC ID #6: — = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature (°F / °C): 16.15 Color: Clear

pH (Standard Units): 5.43 Appearance: Clear

Turbidity (NTU): 0.40 DO (mg/L): 4.32

Specific Conductivity (µmhos/cm): 0.18 ORP (mV): 226.2

Sampling Method/ Material: low flow, masterflex

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
0	40 mL glass vial with HCl for VOA analysis (8260)	
0	1 L glass vial with no preservative for SVOC analysis (8270)	
0	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
2	1 L glass vial with no preservative for PCB analysis (filtered)	
0	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
0	250 mL plastic with HNO3 for metals analysis (filtered)	
2	250mL Amber PCB no pres.	
2	250mL Amber PCB no pres (filtered)	

Condition of well: good

REMARKS

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / (NO)
1,2,4-Trichlorobenzene: YES / (NO)
Trichloroethene: YES / (NO)

SVOCs (8270)

1,2-Dichlorobenzene: YES / (NO)
1,4-Dichlorobenzene: YES / NO
Indeno(1,2,3-cd)pyrene: (YES) / NO
4-Nitrophenol: YES / (NO)
Pentachlorophenol: YES / (NO)
2,4,6-Trichlorophenol: YES / (NO)
o,o,o-Triethylphosophorothioate: YES / (NO)

PCBs (8082)

Arochlors: (YES) / NO
Homologs: (YES) / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotepp: YES / (NO)
Parathion: YES / (NO)

METALS (6010)

Beryllium: YES / (NO)
Cobalt: YES / (NO)
Manganese: YES / (NO)

MERCURY (7470)

Mercury: YES / (NO)

GSI ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

GSI Job No.: 6122 ~~6119~~ 6979 Date: 3/13/24 Personnel: MW, LCM

Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1

Well ID: EP-MW-07 Begin Time: 1004 End Time: 1103

Weather: sunny, warm Site Conditions: grassy, good

COC ID #1: EP-MW-07-U-20240313 = Original Sample COC ID #2: GW-DUP-1-20240313 = Duplicate

COC ID #3: = Field Blank COC ID #4: = MS/MSD

COC ID #5: EP-MW-07-F-20240313 = Original Sample (Filtered) COC ID #6: GW-DUP-1-20240313 = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: (°F (°C)) 15.96 Color/ Appearance: clear, odorless

pH: (Standard Units) 4.27 Odor: none

Turbidity: (NTU) 1.04 DO: (mg/L) 5.56

Conductivity: (µmhos/cm) 90.42 ORP: (mV) 290.6

Sampling Method/ Material: dedicated bladder pump with teflon lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8260)	
	1 L glass vial with no preservative for SVOC analysis (8270)	
	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
8	1 L glass vial with no preservative for PCB analysis	4 1L, 4 250mL
4	1 L glass vial with no preservative for PCB analysis (filtered)	2 1L, 2 250mL
	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good condition.
collected DUP.
1L ambers for homologs, 250mL for ~~Tfloden~~ aroclors

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / (NO)
1,2,4-Trichlorobenzene: YES / (NO)
Trichloroethene: YES / (NO)

SVOCs (8270)

1,2-Dichlorobenzene YES / (NO)
1,4-Dichlorobenzene YES / (NO)
Indeno(1,2,3-cd)pyrene YES / (NO)
4-Nitrophenol YES / (NO)
Pentachlorophenol YES / (NO)
2,4,6-Trichlorophenol YES / (NO)
o,o,o-Triethylphosophorothioate YES / (NO)

PCBs (8082)

Arochlors (YES) / NO
Homologs (YES) / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotepp YES / (NO)
Parathion YES / (NO)

METALS (6010)

Beryllium YES / (NO)
Cobalt YES / (NO)
Manganese YES / (NO)

MERCURY (7470)

NO

GSI ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

GSI Job No.: ~~6122~~ 6919 Date: 3/13/24 Personnel: MW, LCM

Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1

Well ID: EP-MW-02 Begin Time: 1151 End Time: 1221

Weather: sunny Site Conditions: grassy

COC ID #1: EP-MW-02-U-20240313 Original Sample COC ID #2: = Duplicate

COC ID #3: = Field Blank COC ID #4: = MS/MSD

COC ID #5: EP-MW-02-F-20240313 Original Sample (Filtered) COC ID #6: = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: (°F / °C) 16.18 Color/ Appearance: clear, colorless

pH: (Standard Units) 4.69 Odor: none

Turbidity: (NTU) 1.06 DO: (mg/L) 4.55

Conductivity: (µmhos/cm) 276.69 ORP: (mV) 277.26

Sampling Method/ Material dedicated bladder pump with teflon lined tubing, sample pro

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8260)	
	1 L glass vial with no preservative for SVOC analysis (8270)	
	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
4	1 L glass vial with no preservative for PCB analysis	2 1L, 2 250mL
4	1 L glass vial with no preservative for PCB analysis (filtered)	" "
	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good.

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / (NO)
1,2,4-Trichlorobenzene: YES / (NO)
Trichloroethene: YES / (NO)

SVOCs (8270)

1,2-Dichlorobenzene YES / (NO)
1,4-Dichlorobenzene YES / (NO)
Indeno(1,2,3-cd)pyrene YES / (NO)
4-Nitrophenol YES / (NO)
Pentachlorophenol YES / (NO)
2,4,6-Trichlorophenol YES / (NO)
o,o,o-Triethylphosophorothioate YES / (NO)

PCBs (8082)

Arochlors (YES) / NO
Homologs (YES) / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotepp YES / (NO)
Parathion YES / (NO)

METALS (6010)

Beryllium YES / (NO)
Cobalt YES / (NO)
Manganese YES / (NO)

MERCURY (7470)

NO.

APPENDIX G
Calibration Logs

FIELD INSTRUMENT CALIBRATION LOG

GSI ENVIRONMENTAL

GSI Job No.: 6495 - 6497
Project Name: RCRA/CERCLA + EP Sampling
Name of Person Performing Calibration: JA
Anniston, AL

Date of Last Calibration: 4/4/2023
Date Instrument Calibrated and Used: 4/11/2023

EQUIPMENT

Equipment Type(s):	Manufacturer(s):	Model/Model Number(s):	Vendor Serial Number(s):
1. Water Quality	In-Situ	AT600	C2912 / E1102
2. Turbidity	Hanna	HI98703	C3112
3.			

CALIBRATION STANDARDS / CALIBRATION

Equipment Type (e.g. "1")	Parameter for Calibration	Calibration Standard Value (Include +/-)	Units	Expiration Date	Time	Instrument Response	Instrument Temperature (F/C)	% or Numeric Deviation	Pass/Fail
1	DO	9.77	mg/L	N/A	642	9.84	16.30	+0.07	PASS
1	ORP	~~242.64~~ 240.07 JA	mV	12/30/23	647	242.10	15.72	-0.54	PASS
1	~~Sp~~ Cond. JA	1413	µmhos	6/30/23	655	~~1432.3~~ 1463.1 JA	15.17	+1.33%	PASS
1	pH	4.01	S.U.	9/30/24	825	4.11	15.55	+.10	PASS
1	pH	7.00	S.U.	11/30/24	738	6.97	14.98	-0.03	PASS
1	pH	~~7.00~~ JA	S.U.	12/30/24	828	6.92	15.40	-0.08	PASS
1	pH	10.00	S.U.	12/30/24	830	9.92	15.60	-0.08	PASS
2	turbidity	9.32	NTU	N/A	630	9.14	N/A	2%	Pass
2	↓	65.8	↓	↓	↓	66.0	N/A	0.3%	Pass
2	↓	548	↓	↓	↓	549	N/A	0.2%	Pass

Note:

1. % or numeric deviation criteria for the following **water quality** calibration parameters: turbidity = ± 10%; pH = ± 0.2 standard units; specific conductance = ± 5%; ORP = ± 10 mV; DO = ± 0.2 mg/L.
2. % or numeric deviation criteria for the following **PID** calibration parameters: zero check = + 1 ppm, calibration gas check = ± 5%.
3. ORP Calibration: For 3.5M KCL Zobell ORP solutions, use $STD_T = STD_{T=25} + 1.47*(25-T)$ Millivolts -OR- For 4M KCL Zobell ORP solutions, use $STD_T = STD_{T=25} + 1.3*(25-T)$ Millivolts

FIELD INSTRUMENT CALIBRATION LOG

GSI ENVIRONMENTAL

GSI Job No.: 6496 / 6497 / 6495
Project Name: Anniston April Event 1 EP
Name of Person Performing Calibration: EGK

Date of Last Calibration: 4/4/23
Date Instrument Calibrated and Used: 4/11/23

EQUIPMENT

Equipment Type(s).:	Manufacturer(s):	Model/Model Number(s):	Vendor Serial Number(s):
1. Aqua troll	I-Situ	AT600	C2902
2.			
3. ~~Turbidity Meter~~	~~Hanna~~	~~HI 98703~~	C3107, C3112, C3115

CALIBRATION STANDARDS / CALIBRATION

Equipment Type (e.g. "1")	Parameter for Calibration	Calibration Standard Value (Include +/-)	Units	Expiration Date	Time	Instrument Response	Instrument Temperature (F°/C°)	% or Numeric Deviation	Pass/Fail
1	DO	mg/L ↔ 9.77		NA	647	9.76	16.65	0.01	pass
1	ORP	240.21	mV	12/30/23	653	241.3	16.38	1.09	pass
1	Specific Conductance	1413	uS/cm	1/30/24	701	~~1515.4~~ 1409.4	~~15.81~~ 16.35	~~0.75~~	~~fail~~ pass
1	pH	4	—	9/30/24	717	16.73 ↔ 3.98		0.02	pass
1	pH	7	—	11/30/24	723	7.05	14.98	0.05	pass
1	pH	10	—	12/30/24	728	10.08	14.96	0.08	pass
~~3 (C3107)~~	~~Turbidity~~	~~0 1000~~ 577	NTU	~~N/A~~	~~640~~	~~603~~	~~N/A~~	~~N/A~~	~~P~~
~~3 (C3112)~~	~~turb~~	~~548~~	"	~~N/A~~	~~630~~	~~549~~	"	"	~~P~~
~~3 (C3115)~~	~~turb~~	~~602~~	"	~~N/A~~	~~635~~	~~600~~	"	"	~~P~~

Note:
1. % or numeric deviation criteria for the following **water quality** calibration parameters: turbidity = ± 10%; pH = ± 0.2 standard units; specific conductance = ± 5%; ORP = ± 10 mV; DO = ± 0.2 mg/L.
2. % or numeric deviation criteria for the following PID calibration parameters: zero check = + 1 ppm, calibration gas check = ± 5%.

↳ this occured after letting the AquaTroll sit w/ the same solution for a longer time

16.65°C 30.35 in Hg

2298 + 1.3(25 − 16.38)

FIELD INSTRUMENT CALIBRATION LOG

GSI ENVIRONMENTAL

GSI Job No.: 6495/6496/6497
Project Name: Ameston Solution
Name of Person Performing Calibration: EGK / JSC

Date of Last Calibration: ~~1/24/23~~ 4/4/23
Date Instrument Calibrated and Used: 4/11/23

EQUIPMENT

Equipment Type(s).:	Manufacturer(s):	Model/Model Number(s):	Vendor Serial Number(s):
1. Turbidity Meter	Hanna	HI98307	C3107
2.			
3.			

CALIBRATION STANDARDS / CALIBRATION

Equipment Type (e.g. "1")	Parameter for Calibration	Calibration Standard Value (Include +/-)	Units	Expiration Date	Time	Instrument Response	Instrument Temperature (F°/C°)	% or Numeric Deviation	Pass/Fail
1	turbidity	5.47	NTU	n/a	640	6.04	n/a	10%	P
1	turbidity	58.9	↓	n/a	640	66.1	n/a	12%	F
1	11	577		n/a	640	603	n/a	5%	P

Note:
1. % or numeric deviation criteria for the following **water quality** calibration parameters: turbidity = ± 10%; pH = ± 0.2 standard units; specific conductance = ± 5%; ORP = ± 10 mV; DO = ± 0.2 mg/L.
2. % or numeric deviation criteria for the following **PID** calibration parameters: zero check = + 1 ppm, calibration gas check = ± 5%.

FIELD INSTRUMENT CALIBRATION LOG

GSI ENVIRONMENTAL

GSI Job No.: 6495/6496/6497
Project Name: Amicron Solution
Name of Person Performing Calibration: JSC

Date of Last Calibration: 4/10/23
Date Instrument Calibrated and Used: 4/11/23

EQUIPMENT

Equipment Type(s).:	Manufacturer(s):	Model/Model Number(s):	Vendor Serial Number(s):
1. Water Quality (AquaTroll)	In Situ	AquaTroll 600	C2909
2. Turbidity	Hanna	HI 98703	C3115
3.			

CALIBRATION STANDARDS / CALIBRATION

Equipment Type (e.g. "1")	Parameter for Calibration	Calibration Standard Value (Include +/-)	Units	Expiration Date	Time	Instrument Response	Instrument Temperature (F°/C°)	% or Numeric Deviation	Pass/Fail
1	pH	4.01 ± 0.01	SU	7/30/23	630	3.97	15.47	0.04	P
1	pH	7.00 ± 0.01	SU	11/30/24	632	6.99	16.35	0.01	P
1	pH	10.00 ± 0.01	SU	12/30/24	636	10.15	15.93	0.15	P
1	ORP	229 (242 temp adj)	mV	12/30/23	642	240.3	15.79	1.7	P
1	Spec conduct	1413	µmhos	1/30/24	646	1413 [illegible]	15.78	[illegible] 0%	P
2	turb	9.32	NTU	n/a	654	8.89	n/a	4.6%	P
2	turb	65.8	NTU	n/a	656	63.6	n/a	3.3%	P
2	turb	548	NTU	n/a	657	550	n/a	0.3%	P

Note:
1. % or numeric deviation criteria for the following **water quality** calibration parameters: turbidity = ± 10%; pH = ± 0.2 standard units; specific conductance = ± 5%; ORP = ± 10 mV; DO = ± 0.2 mg/L.
2. % or numeric deviation criteria for the following **PID** calibration parameters: zero check = + 1 ppm, calibration gas check = ± 5%.

Barometer: 748.06 mmHg (30.86 in Hg)
Local pressure: 30.2 in Hg
Barometric pressure matches local barometer readings

FIELD INSTRUMENT CALIBRATION LOG

GSI ENVIRONMENTAL

GSI Job No.: 6919
Project Name: ESP sampling
Name of Person Performing Calibration: MW, LCM
Date of Last Calibration: 1/8/24 (,1),
Date Instrument Calibrated and Used: 3/13/24

EQUIPMENT

Equipment Type(s).:	Manufacturer(s):	Model/Model Number(s):	Vendor Serial Number(s):
1. turbidity	HANNA	fast tracker/HANNA	C3115
2. " "	" "	HI 98703	
3. water quality	in-situ	AT-600	C2920

CALIBRATION STANDARDS / CALIBRATION

Equipment Type (e.g. "1")	Parameter for Calibration	Calibration Standard Value (Include +/-)	Units	Expiration Date	Time	Instrument Response	Instrument Temperature (F°/C°)	% or Numeric Deviation	Pass/Fail
1	turbidity	0-10 || 5.09	NTU	—	7:50	5.76	—	~~22.9~~ 13%	~~P~~ F
1	turbidity	0-100 || 583	NTU	—	7:51	63.5	—	8.9%	P
1	turbidity	0-1000 || 599	NTU	—	7:52	619	—	3.2%	P
1	" "	0-10 || 5.09	NTU	—	7:58	5.62	—	10%	P
3	RDO	9.88	mg/L	—	8:08	10.09	~~15~~ 15.0°C	0.21	F
3	RDO	9.88	mg/L	—	8:25	9.70	~~13~~ 14.0	0.18	P
3	pH	4.01 ± 0.01	—	6/30/25	8:26	3.99	14.84	0.02	P
3	pH	7.00 ± 0.01	-	12/30/25	8:27	6.93	15.11	0.07	P
3	pH	10.00 ± 0.01	—	6/30/25	8:28	10.06	15.11	0.06	P
3	sp.cond	1413	µs/cm	12/30/24	8:29	1478.3	15.28	4.60%	P
3	ORP	242.3	mV	12/30/24	8:32	236.7	14.75	5.6	P

Note:
1. % or numeric deviation criteria for the following **water quality** calibration parameters: turbidity = ± 10%; pH = ± 0.2 standard units; specific conductance = ± 5%; ORP = ± 10 mV; DO = ± 0.2 mg/L.
2. % or numeric deviation criteria for the following **PID** calibration parameters: zero check = + 1 ppm, calibration gas check = ± 5%.

APPENDIX F
T-11 Area Piezometer Boring Logs

GSI Environmental Inc.
2211 Norfolk St Suite 1000
Houston, TX 77098
Telephone: 7135226300

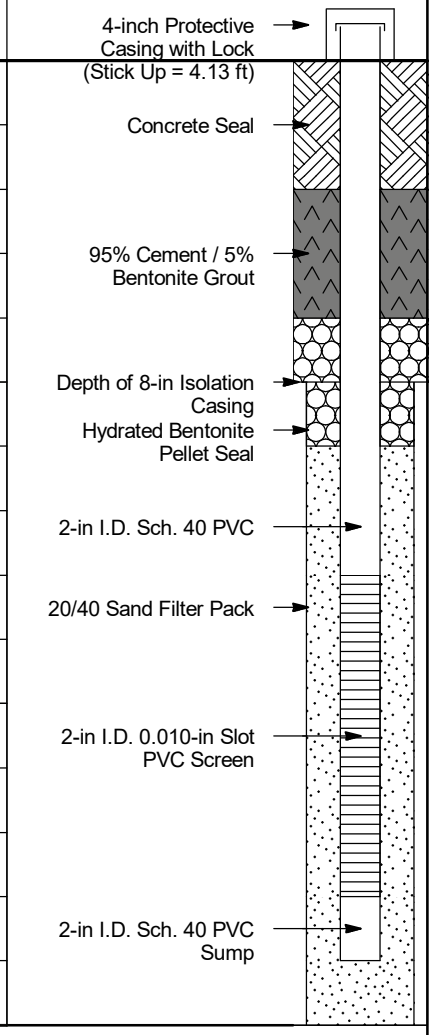
Log of Soil Boring & Well Construction: T11-PZ-01

CLIENT Solutia Inc.
PROJECT NAME T-11 Investigation
GSI JOB NUMBER 10407
PROJECT LOCATION Anniston, AL
DATE STARTED 26 Jul. 2023 **COMPLETED** 26 Jul. 2023
GROUND ELEVATION 695.03 ft msl **DATUM** NAD83
DRILLING CONTRACTOR Cascade Drilling LP, Jacob Smith
TOP OF CASING ELEVATION 698.69 ft msl **DATUM** NAD83
DRILLING METHOD Sonic
NORTHING 652927.08 ft **EASTING** 1148978.05 ft
DRILLING EQUIPMENT TSI 150T
LOGGED BY S. Robinson **CHECKED BY** K. Walker, PG
GROUND SURFACE Grass
BORING DIAMETER (in) 6 and 8

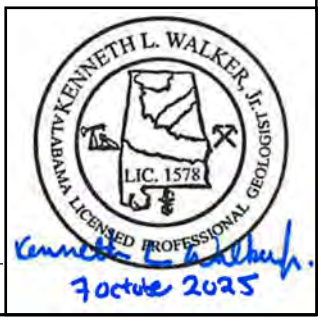
Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level
	GROUND SURFACE							
	CLAYEY SILT WITH GRAVEL (ML): black, moist, ~95% fines, ~5% fine gravel, very soft		ML					
	SILTY LEAN CLAY WITH GRAVEL (CL): moderate brown, moist, ~95% fines, ~5% fine gravel, firm, medium plasticity, silt present.		CL					
	FAT CLAY (CH): moderate brown to light brown, moist, ~100% fines, firm, high plasticity		CH					
5								
	SILTY FAT CLAY (CH): gray, moist, soft, high plasticity		CH					
10								
	FAT CLAY (CH): light purple, dry, ~100% fines, medium to high plasticity, crumbly, soft, silt present.		CH					
	Light gray to grayish purple, hard, tan mottling.							
	Less blocky, more powdered clay, light to moderate purple.							
	Crumbly clay.							
15								

Total Depth = 15.0 feet bgs.

Well Diagram and Remarks



Notes:
1. Horizontal Coordinate System - Alabama State Plane East, NAD83.
2. ft = feet, in = inch,
   ft msl = feet above mean sea level
   I.D. = inner diameter
   PVC = polyvinyl chloride
   Sch = schedule



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2211 Norfolk St Suite 1000
Houston, TX 77098
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Log of Soil Boring & Well Construction: T11-PZ-02

CLIENT Solutia Inc. | **PROJECT NAME** T-11 Investigation
GSI JOB NUMBER 10407 | **PROJECT LOCATION** Anniston, AL
DATE STARTED 27 Jul. 2023 **COMPLETED** 27 Jul. 2023 | **GROUND ELEVATION** 694.92 ft msl **DATUM** NAD83
DRILLING CONTRACTOR Cascade Drilling LP, Jacob Smith | **TOP OF CASING ELEVATION** 698.11 ft msl **DATUM** NAD83
DRILLING METHOD Sonic | **NORTHING** 652941.88 ft **EASTING** 1148976.54 ft
DRILLING EQUIPMENT TSI 150T | **LOGGED BY** S. Robinson **CHECKED BY** K. Walker, PG
GROUND SURFACE Grass | **BORING DIAMETER (in)** 6 and 8

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level
	GROUND SURFACE							
	FAT CLAY WITH SILT (CH): moist, ~95% fines, firm, high plasticity, orangeish-tan mottling. Moderate brown, increased in silt content.		CH					
	CLAYEY SILT (ML): moist, ~100% fines, soft, orangeish-gray mottling.		ML					
	FAT CLAY WITH SILT (CH): dark brown, moist, ~100% fines, hard, medium to high plasticity.		CH					
5	Reduction in silt content.							
	Silt seam ~2-in.							▼
	POORLY GRADED SAND (SP): orange to tan, ~100% fine sand, very soft, wet.		SP					
10	SILTY FAT CLAY (CH): moderate gray, moist, soft, high plasticity.		CH					
	POORLY GRADED SAND WITH CLAY (SP): orangeish tan, soft, wet, some coarse gravel present.		SP					
	FAT CLAY (CH): dry, soft, medium to high plasticity, light purple to orange and maroon mottling, crumbly. 6" seam of crumbly fines. Orangeish-tan mottling.		CH					
	Fissile parting, maroon.							
15	No recovery.							

Total Depth = 16.0 feet bgs.

Well Diagram and Remarks:
- 4-inch Protective Casing with Lock (Stick Up = 3.69 ft)
- Concrete Seal
- 95% Cement / 5% Bentonite Grout
- Depth of 8-in Isolation Casing
- Hydrated Bentonite Pellet Seal
- 20/40 Sand Filter Pack
- 2-in I.D. Sch. 40 PVC
- 2-in I.D. 0.010-in Slot PVC Screen
- 2-in I.D. Sch. 40 PVC Sump

Notes:
1. Horizontal Coordinate System - Alabama State Plane East, NAD83.
2. ft = feet, in = inch,
   ft msl = feet above mean sea level
   I.D. = inner diameter
   PVC = polyvinyl chloride
   Sch = schedule

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7 octubre 2025

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Log of Soil Boring & Well Construction: T11-PZ-03

CLIENT Solutia Inc.
PROJECT NAME T-11 Investigation
GSI JOB NUMBER 10407
PROJECT LOCATION Anniston, AL
DATE STARTED 28 Jul. 2023 **COMPLETED** 28 Jul. 2023
GROUND ELEVATION 694.86 ft msl **DATUM** NAD83
DRILLING CONTRACTOR Cascade Drilling LP, Jacob Smith
TOP OF CASING ELEVATION 698.17 ft msl **DATUM** NAD83
DRILLING METHOD Sonic
NORTHING 652935.73 ft **EASTING** 1148968.06 ft
DRILLING EQUIPMENT TSI 150T
LOGGED BY S. Robinson **CHECKED BY** K. Walker, PG
GROUND SURFACE Grass
BORING DIAMETER (in) 6 and 8

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level
	GROUND SURFACE							
	SILT (ML): dark brown to black, moist, ~95% fines, ~5% fine gravel, soft, low plasticity		ML					
	SILTY FAT CLAY (CH): gray, moist, ~100% fines, firm, medium to high plasticity, red to orange mottling.		CH					
5	Dark gray to medium brown.							
	Dark brown with minor fine gravel.							
	Light tan to gray, wet, soft and 10% fine sand.							
	Dark brown, 100% fines, no sand, soft.							
10	CLAYEY SAND (SC): light tan to gray, wet, ~80% fine sand, ~15% fines, ~5% fine gravel, very soft, low plasticity, fine gravel present. Saturated.		SC					
	FAT CLAY (CH): light purple to maroon, dry, ~100% fines, very hard, medium to high plasticity, crumbly, fissile parting.		CH					
15	Orange mottling.							

Well Diagram and Remarks

- 4-inch Protective Casing with Lock (Stick Up = 3.79 ft)
- Concrete Seal
- 95% Cement / 5% Bentonite Grout
- Depth of 8-in Isolation Casing
- Hydrated Bentonite Pellet Seal
- 20/40 Sand Filter Pack
- 2-in I.D. Sch. 40 PVC
- 2-in I.D. 0.010-in Slot PVC Screen
- 2-in I.D. Sch. 40 PVC Sump
- Hydrated Bentonite Pellet Seal

(Continued Next Page)

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Log of Soil Boring & Well Construction: T11-PZ-03

CLIENT Solutia Inc. **PROJECT NAME** T-11 Investigation

GSI JOB NUMBER 10407 **PROJECT LOCATION** Anniston, AL

Depth (ft bgs)	Soil Description	Lithology	USCS	Sample Type	Blows/ 6 inches	Lab Sample	PID (ppm)	Water Level	Well Diagram and Remarks
	GROUND SURFACE								
	FAT CLAY (CH): light purple to maroon, dry, ~100% fines, very hard, medium to high plasticity, crumbly, fissile parting. *(continued)*								
	Dry, fine grained sand seam (~0.25 ft)								Hydrated Bentonite Pellet Seal
25	Orangeish-gray mottling, crumbly.								
	FAT CLAY WITH SILT (CH): tan to purple, dry, ~100% fines, very hard, medium to high plasticity		CH						
30									

Total Depth = 30.0 feet bgs.

Notes:
1. Horizontal Coordinate System - Alabama State Plane East, NAD83.
2. ft = feet, in = inch,
   ft msl = feet above mean sea level
   I.D. = inner diameter
   PVC = polyvinyl chloride
   Sch = schedule

KENNETH L. WALKER, JR. ALABAMA LICENSED PROFESSIONAL GEOLOGIST LIC. 1578

7 October 2025

APPENDIX G-1

Predesign Investigation Interim Data Summary Report: Phase 1 Sediment Probing

PREDESIGN INVESTIGATION INTERIM DATA SUMMARY REPORT: PHASE 1 SEDIMENT PROBING

Operable Unit 1/Operable Unit 2 of the Anniston PCB Site

Submitted by

Pharmacia LLC/Solutia Inc.

May 2024

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ACRONYMS AND ABBREVIATIONS

ASTM	ASTM International
BBL	Blasland, Bouck & Lee, Inc.
GIS	geographic information system
JSA	job safety analysis
NAD83	North American Datum of 1983
NAVD88	North American Vertical Datum of 1988
OU-1/OU-2	Operable Unit 1/Operable Unit 2
PCB	polychlorinated biphenyl
PDI	predesign investigation
PDIWP	Predesign Investigation Work Plan
P/S	Pharmacia LLC/Solutia Inc.
RCRA	Resource Conservation and Recovery Act
RFI	Off-Site RCRA Facility Investigation
ROD	Record of Decision
T	Transect
USEPA	U.S. Environmental Protection Agency

1. INTRODUCTION

This Predesign Investigation (PDI) Interim Data Summary Report has been prepared on behalf of Pharmacia LLC/Solutia Inc. (P/S) to summarize the field activities and findings of the Phase 1 sediment probing and present the proposed sediment sampling plan for Phase 2. The Phase 1 activities were conducted in accordance with the Predesign Investigation Work Plan (PDIWP) for Operable Unit 1/Operable Unit 2 (OU-1/OU-2; P/S 2022).

In November 2023, Phase 1 sediment probing was conducted within the OU-1/OU-2 portion of Snow Creek to address Sediment Data Quality Objective 1, which is to provide an updated delineation of the current locations, extents, and depths of sediment deposits within the OU-1/OU-2 portion of Snow Creek as compared to the deposits depicted in the OU-1/OU-2 Feasibility Study Report (Ramboll Environ 2016) to refine removal volume estimates. Phase 1 sediment probing for Highway 202 and Quintard Mall portions of Snow Creek will be conducted at the same time as the Phase 2 sampling. This approach is based on project safety by minimizing the number of times that field teams need to enter these confined space portions of Snow Creek. Additionally, there is a 700-foot segment of Snow Creek where the Phase 1 probing was not conducted because property access has not been granted by the landowner. P/S will implement the Phase 2 sediment sampling program following U.S. Environmental Protection Agency (USEPA) approval of this report.

2. PHASE 1 SEDIMENT PROBING INVESTIGATION

Phase 1 of the sediment PDI included site reconnaissance observations and probing to identify the presence and extent of sediment deposits and soft sediments within the OU-1/OU-2 portion of Snow Creek in accordance with the PDIWP.

The following subsections summarize the Phase 1 probing activities and results.

2.1 Predesign Investigation Planning

P/S conducted outreach to property owners along the OU-1/OU-2 portion of Snow Creek to obtain access to conduct field surveys along the creek adjacent to their properties and for ingress and egress through certain properties to access the creek (P/S 2022). Some property owners entered into written access agreements with P/S and some property owners provided permission verbally to conduct the investigation work. The property access efforts were tracked and documented by P/S to ensure that appropriate permissions were obtained prior to conducting the Phase 1 PDI. Through October 2023, permission was granted by necessary property owners to access the entire OU-1/OU-2 portion of Snow Creek, except for an approximately 700-foot segment of the creek between approximately Transect (T) 012 and T019 (see Figures 1b and 1c). Phase 1 sediment probing was not conducted in this section of the creek during the November 2023 field event because access was not granted.[1]

P/S entered into an Environmental Right of Entry Agreement with Norfolk Southern to facilitate PDI access to the portions of Snow Creek within the railroad right-of-way and to verify compliance with Norfolk Southern's safety requirements. In accordance with that agreement, work that crosses the Norfolk Southern railroad or is performed within 25 feet of the center of the rail requires oversight by a flag person representing Norfolk Southern. Flagging services for PDI Phase 1 activities conducted within 25 feet of the center of the rail were coordinated and scheduled with RailPros Field Services, Inc., who administers the flagging services on behalf of Norfolk Southern.

A job safety analysis (JSA) was also developed to describe task-specific hazards, hazard control measures, and emergency preparedness actions related to the Phase 1 sediment probing. The field crew responsible for implementing the Phase 1 sediment probing reviewed the JSA, the project Health and Safety Plan, and the Norfolk Southern safety requirements prior to conducting the PDI field work.

2.2 Phase 1 Sediment Probing Activities

The Phase 1 sediment probing activities were performed by field personnel between November 6 and 21, 2023. The field team met at the start of each workday to review and discuss the planned activities, creek access locations, health and safety topics, creek flow conditions, weather forecasts, and the daily journey management plan.

[1] P/S will continue outreach efforts with the property owner and will use best efforts to secure appropriate access permission to the property adjacent to the creek between T012 and T019 prior to implementing the Phase 2 sampling program. P/S will conduct sediment probing within this creek segment in conjunction with the Phase 2 sampling program if access permission is obtained.

The geographical distribution of sediment in Snow Creek was evaluated based on continuous visual inspections (access permitting) between the 11th Street Ditch and Highway 78 downstream of Quintard Mall (the downstream end of OU-1/OU-2). Field reconnaissance and probing were conducted along transects spaced approximately 100 feet apart along both sides of the creek and across the midsection of the channel to identify sediment deposits. In addition, channel widths and bank heights (where accessible) were measured at the 100-foot transects (Figures 1a through 1cc), and visual observations of bank conditions were noted. Sediment deposits between 100-foot transects were also mapped to determine the presence, area, and thickness of each sediment deposit.

Phase 1 sediment probing was not conducted between T012 and T019 because access was not granted by the property owner. Phase 1 probing was also not conducted during the November 2023 event in the Highway 202 culverts (between T030 and T032) and the culvert beneath Quintard Mall (between T194 and T209) due to the potential hazards presented by repeated entry into the confined spaces. Sediment probing will be conducted within these areas and between T012 and T019, if access permission is obtained, concurrently with the Phase 2 sediment sampling program.

The Phase 1 field reconnaissance and probing were accomplished by wading along Snow Creek during periods of low to normal creek flow. The Phase 1 sediment probing was generally conducted from upstream to downstream at accessible locations of the creek; however, adjustments to this sequence were made, when necessary, in consideration of property access, the need for railroad flag person oversight in particular sections, available daylight hours, and forecasted weather conditions.

The sediment probing and thickness measurements were conducted using a calibrated, small diameter (less than 0.5 inches), 36-inch long, steel probe rod. The probing locations and the extents of observed sediment deposits were recorded using a pole-mounted Trimble DA2 global navigation satellite system receiver with a Trimble Catalyst 1 positioning service to provide submeter accuracy in accordance with the PDIWP. The DA2 receiver was linked electronically to a handheld field tablet to record location and elevation data in real-time. Sediment thickness, relative sediment type, deposit type, water depth, date, time, and other pertinent visual observations were recorded using the field tablet. Observations of bank conditions, large debris, obstructions, and structures visible in and along the creek were also noted using the field tablet.

The DA2 receiver was used to record the horizontal and vertical locations for each probing location.[2] Coordinates for some locations were not recorded in the field due to accessibility or poor global positioning system signal (e.g., under or near bridges; see Table 1). In those circumstances, locations were manually recorded and plotted, and the listed coordinates were extracted using geographic information system (GIS) software.

[2] The Trimble DA2 receiver recorded horizontal coordinates as latitude and longitude (in decimal degrees) referenced to the World Geodetic System 1984 coordinate system; the coordinates were subsequently projected to the North American Datum of 1983 (NAD83) in feet using ESRI's ArcGIS Pro software. Vertical locations were recorded in the field as altitude referenced to the measured Height Above Ellipsoid model of the earth in meters, and then subsequently converted to elevation in feet referenced to the North American Vertical Datum of 1988 (NAVD88).

On November 21, 2023, a surveyor from SMW Engineering Group, Inc., shadowed the sediment probing crew and collected colocated field survey measurements at 65 sediment probing locations to verify the accuracy of the Phase 1 probing measurements. The Phase 1 probing measurements were generally within 1 meter of the survey data, which achieved the submeter accuracy objective stated in the PDIWP.[3]

Field reconnaissance observations were also performed to identify visible structures along Snow Creek that were not listed in Table 3-3 of PDIWP and to document observations of utilities and significant debris. Field observations and measurements were documented, and the locations were recorded using the Trimble DA2 receiver where notable structures, utilities, and debris were observed.

2.3 Phase 1 Sediment Probing Results

Sediment probing was conducted at approximately 890 locations along 186 transects within the OU-1/OU-2 portion of Snow Creek during the November 2023 Phase 1 probing event. Figures 1a through 1cc show the Phase 1 sediment probing locations within and along Snow Creek. Table 1 summarizes data collected for each Phase 1 sediment probing point, including location information, elevations, creek bottom and sediment type descriptions, and measurements of water depth and probed thickness.

Seventy-one sediment deposits[4] were observed and delineated in the accessible segments of the OU-1/OU-2 portion of Snow Creek. The sediment deposits were identified based on visible observations and where probing indicated sediment penetrable with the probe rod by at least 4 inches and that were at least 50 square feet in area. The sediment deposits were probed further to determine the lateral extent and the apparent average thickness of the deposit. Figures 1a through 1cc show the locations and extents of the sediment deposits identified during the Phase 1 probing. Table 2 summarizes the material type observations, area, estimated average thickness, and estimated volume for each identified sediment deposit. As summarized in Table 2, most of the sediment deposits contained a heterogeneous mixture of particle sizes. Specifically, 65% of the sediment deposits contained cobbles and/or gravel with sand or fine sediment.

Sediment volume estimates in Snow Creek were calculated as the product of the approximate surface area and estimated average sediment thickness and are presented in Table 2. The total volume of sediment deposits characterized during the November 2023 event was approximately

[3] The overall average differences between the Easting and Northing coordinates for the Phase 1 probing measurements and the collected survey data were 1.7 and 2.8 feet, respectively. Approximately 10% to 15% of the locations had coordinate differences greater than 3 feet. Overall, the elevation data from the Phase 1 probing measurements were within 0.7 feet of the surveyed elevations. Because approximately 20% of the elevations indicated differences greater than 2 feet, the elevation data collected during the Phase 1 probing measurements should be considered as approximate.

[4] Sediment deposits T136-01 and T137-02 (Figure 1s), T160-01 and T160-02 (Figure 1v), and T170-01 and T170-02 (Figure 1x) were each designated as individual sediment deposits during the Phase 1 field mapping; however, these adjacent deposits represent a single contiguous sediment deposit and thus are considered one deposit and will be characterized together during the Phase 2 sampling program.

3,100 cubic yards.[5,6] The largest sediment deposit had an estimated volume of 1,076 cubic yards (sediment deposit 161-02; Figure 1w). The remaining deposits had estimated sediment volumes ranging from 1 to 258 cubic yards.

The results of the PDI sediment probing and sediment deposits were segmented into seven characterization areas along Snow Creek that were established based on differing creek conditions or notable features along the creek during the 1999 Off-Site Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI). The seven characterization areas are listed in Table 3. Table 3 also summarizes the number of sediment deposits observed within each characterization area during Phase 1 and the total estimated volume of the sediment deposits in each area. Most of the sediment deposits (87%) were observed in Areas 1, 2, and 5. Likewise, the sediment deposits in Areas 1, 2, and 5 represent approximately 97% of the total volume observed during Phase 1, whereas only 3% of the total estimated sediment volume was observed in Areas 3 and 4 (between T51 and T110).

No major structures beyond those listed in Table 3-3 of the PDIWP were observed along Snow Creek during the Phase 1 probing event; however, several utilities, outfalls, minor structures, and debris were documented. Figures 1a through 1cc also show the locations where notable structures, utilities, and debris were observed during the field reconnaissance efforts, and Table 4 summarizes information gathered for each observation.

[5] This volume does not include the OU-1/OU-2 portions of Snow Creek that were not investigated in November 2023, as part of the Phase 1 probing (i.e., between T012 and T019 due to property access, the Highway 202 culverts between T030 and T032, and the culvert beneath Quintard Mall between T194 and T209).
[6] For comparative reference, excluding the Highway 202 culvert (which was not investigated during the Phase 1 probing), 70 sediment deposits with an estimated total volume of approximately 2,400 cubic yards were observed during the 1999 RFI.

3. PROPOSED PHASE 2 SAMPLING PLAN

The results of the PDI Phase 1 sediment probing program were compared with the results from the previous field efforts to evaluate potential changes in the location and thickness of sediment deposits since the 1999 sediment deposit mapping and the geomorphological characterization completed as part of the Off-Site RFI Program (Blasland, Bouck & Lee, Inc. [BBL] 1999, BBL 2000), as described in Section 3.3.2.2 of the PDIWP. Figures 2a through 2cc show the locations and extents of the sediment deposits identified during the November 2023 Phase 1 probing and the sediment deposits identified during the 1999 RFI.

The PDIWP indicated that additional sampling would not be necessary for sediment deposits where PDI probing indicated sediment deposits in the same location and size as measured in the RFI and that were previously characterized to contain polychlorinated biphenyls (PCBs) or metals above the remedial criteria identified in the Record of Decision (ROD; USEPA 2017). However, confirmatory sampling would be conducted during the PDI at up to five of those sediment deposits previously characterized in the RFI.

Most sediment deposits identified during the Phase 1 probing varied in size and/or location compared with those identified and previously characterized in the 1999 RFI. Therefore, P/S propose to characterize each sediment deposit identified during the November 2023 Phase 1 probing in accordance with the procedures described in the PDIWP. In addition, due to these observed variations, the data from the 1999 RFI will not be considered during the remedial design to define the extent of sediment subject to remediation.

The Phase 2 sediment sampling program will be conducted following the approach that was described in Section 3.3.2.2 of the PDIWP:

- For uncharacterized sediment deposits larger than 50 cubic yards, up to five full-depth subsamples will be collected and homogenized into one composite sample.
- For uncharacterized sediment deposits larger than 5 cubic yards and smaller than 50 cubic yards, one full-depth sediment sample will be collected.
- Uncharacterized sediment deposits between 1 and 5 cubic yards will be characterized together with other nearby sediment deposits (located within five transects and are larger than 5 cubic yards when combined) by collecting and homogenizing up to five full-depth subsamples into one composite sample.
- Sediment deposits smaller than 1 cubic yard will not be sampled.
- Sediment deposited within each of the five Highway 202 box culverts (Figure 2e) will be characterized by collecting five full-depth subsamples spaced evenly within each culvert and homogenizing the subsamples into one composite sample.
- Sediment deposited within the culvert beneath Quintard Mall will be characterized in three different sections: the upstream section between T195-00 and T200-00, the middle section between T200-00 and T205-00, and the downstream section between T205-00 and T210-00 (Figures 2aa, 2bb, and 2cc). Five full-depth subsamples spaced

evenly within each culvert section will be collected and homogenized into one composite sample.

The Phase 2 sediment sampling will include collection of 79 sediment samples:

- 71 samples from the deposits identified during the November 2023 Phase 1 probing
- 5 samples from the Highway 202 box culverts
- 3 samples from the culvert beneath Quintard Mall

Due to its size, five sediment samples will be collected from sediment deposit T161-02, which extends approximately 500 feet between T162 and T167 (Figure 2w). Table 5 summarizes the proposed Phase 2 sampling program, and Figures 2a through 2cc show the proposed sampling locations. The sediment sampling and associated analytical testing will be conducted in accordance with the procedures and methods described in the PDIWP and the Quality Assurance Project Plan (Appendix A to the PDIWP).

In conjunction with the sediment sampling program, the limits of each sediment deposit will be reviewed in the field to verify alignment with the Phase 1 observations, and additional probing will be conducted within each sediment deposit to gather sediment thickness measurements to supplement the data gather during the Phase 1 efforts. In addition, sediment probing and deposit mapping will be conducted in the Highway 202 culverts between T030 and T032 and in culvert beneath Quintard Mall between T194 and T209.

If access is granted from the adjacent property owner, sediment probing will also be conducted between T012 and T019 in conjunction with the Phase 2 sediment sampling program, and sediment samples will be collected from sediment deposits (if any) identified in this section of the creek following the same sampling methodology described previously. The sediment sample quantities listed previously and locations in Table 5 do not include this segment of Snow Creek.

Supplemental sediment probing will also be conducted at and around Phase 1 sediment probing locations where 6 or more inches of sediment were previously measured at individual probing points and that were not identified as sediment deposits (36 locations as noted on Table 1). This supplemental probing will be conducted to confirm that the Phase 1 measurements are not part of a larger accumulation of sediment. If the supplemental probing confirms that the Phase 1 measurements represent minimal sediment (e.g., isolated pockets of sand within cobbles), no additional sampling will be conducted. However, if the additional probing identifies broader sediment accumulations (i.e., 4 inches or more of sediment over an area greater than 50 square feet), additional Phase 2 sediment samples will be collected in those areas.

In accordance with the PDIWP, each sediment sample will be analyzed for the following parameters:

- PCBs (USEPA SW-846 8082)
- Total organic carbon (Lloyd Kahn)

- Particle size (including hydrometer for cohesive samples only; ASTM International [ASTM] D6913/D7928)
- Atterberg Limits (cohesive samples only; ASTM D4318)
- Moisture content (ASTM D2216/D2974A)

Sediment samples from half the locations will be submitted for laboratory analysis for specific gravity (ASTM D854).[7]

Sediment samples collected from the downstream section of Snow Creek (downstream of T130 [Figure 2r]) will also be analyzed for barium, chromium (total), cobalt, lead, manganese, mercury (total), nickel, and vanadium (USEPA SW-846 6010C/7471B). Prior investigations indicated the presence of metals above the remedial criteria in the downstream section of the creek and floodplain where PCB concentrations were below the remedial goals.

The Phase 2 sampling program will commence following USEPA approval of the proposed sampling plan presented previously.

[7] The sampling approach presented herein proposes to analyze half of the sediment samples for specific gravity (instead of all sediment samples) because specific gravity data do not typically vary greatly for soils and sediments with similar particle sizes. It is assumed that analyzing half of the sediment samples for specific gravity will provide sufficient data to support the remedial design.

4. REPORTING

The analytical chemistry results from the Phase 2 samples will be provided to USEPA through the monthly progress report process following data validation. The results of the Phase 1 probing and Phase 2 probing and sampling will be presented as part of the PDI Evaluation Report that is being prepared for the overall PDI program. The PDI Evaluation Report will be submitted to USEPA within 60 days of completing validation of all data and representative information for the sediment investigations is anticipated to include the following:

- Summary of results from the Phase 1 and Phase 2 investigations for Snow Creek and the bench-scale treatability study
- Tables and figures presenting the Phase 1 and Phase 2 probing results and validated laboratory results for the Phase 2 samples and the bench-scale treatability study
- Narrative interpretation of the Phase 1 and Phase 2 results and the bench-scale treatability study
- Results of statistical analyses (if generated)
- Sampling logs, surveying information, photographs, and the laboratory analytical reports as appendices (or attachments)
- Identification of additional PDI activities (if any)
- Conclusions and recommendations that will be presented in the preliminary (30%) remedial design

5. REFERENCES

BBL (Blasland, Bouck & Lee, Inc.). 1999. *Supplemental RCRA Facility Investigation Work Plan for the Off-Site Portion of the RFI/CS Program*. Blasland, Bouck & Lee, Inc. February.

BBL. 2000. *Off-Site RCRA Facility Investigation (RFI) Report*. Blasland, Bouck & Lee, Inc. June.

P/S (Pharmacia LLC/Solutia Inc.). 2022. *Predesign Investigation Work Plan, Operable Unit 1/Operable Unit 2 Portion of the Anniston PCB Site*. June.

Ramboll Environ. 2016. *OU-1/OU-2 Feasibility Study Report, Anniston PCB Site*. March.

USEPA (U.S. Environmental Protection Agency). 2017. *Record of Decision, Operable Unit 1/Operable Unit 2, Anniston PCB Site, Anniston, Calhoun County, Alabama.* United States Environmental Protection Agency. November.

TABLES

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
0A	T000-00	Area 1	1a	2023-11-20	652730.0	1149095.5	694.5	Top of west bank	--	--	--	--
0B	T000-00	Area 1	1a	2023-11-20	652732.1	1149100.8	691.0	Bottom of west bank	--	--	0	--
0C	T000-00	Area 1	1a	2023-11-20	652733.2	1149105.4	688.9	Middle of creek	--	0	0	--
0D	T000-00	Area 1	1a	2023-11-20	652739.5	1149110.7	687.8	Bottom of east bank	--	11	1	Gravel
0E	T000-00	Area 1	1a	2023-11-20	652749.9	1149123.6	691.9	Top of east bank	--	--	--	--
0F	T000-00	Area 1	1a	2023-11-20	652731.1	1149129.1	689.0	Sediment deposit	T000-02	--	9	Sand, aggrading bar
0G	T000-00	Area 1	1a	2023-11-20	652723.0	1149116.8	689.6	Sediment deposit	T000-01	--	18	Sand, aggrading bar
0H	T000-00	Area 1	1a	2023-11-20	652723.2	1149115.0	688.3	Sediment deposit	T000-01	--	16	Sand, aggrading bar
0I	T000-00	Area 1	1a	2023-11-20	652739.6	1149116.3	689.0	Sediment deposit	T000-02	--	16	Sand, aggrading bar
0J*	T000-00	Area 1	1a	2023-11-20	652744.8	1149111.1	--	Sediment deposit	T000-02	--	6	Cobbles with sands, aggrading bar
0K*	T000-00	Area 1	1a	2023-11-20	652746.5	1149084.4	--	Sediment deposit, under bridge, No GPS signal	T000-03	--	30	Sand, channel deposit
0L*	T000-00	Area 1	1a	2023-11-20	652747.6	1149076.2	--	Sediment deposit, under bridge, No GPS signal	T000-03	--	18	Sand, channel deposit
0M*	T000-00	Area 1	1a	2023-11-20	652751.1	1149065.1	--	Sediment deposit, under bridge, No GPS signal	T000-03	--	6	Sand, channel deposit
0N	T000-00	Area 1	1a	2023-11-20	652765.9	1149051.3	689.6	Sediment deposit	T000-04	--	7	Cobbles and sand, aggrading bar
0O	T000-00	Area 1	1a	2023-11-20	652765.1	1149045.0	688.6	Sediment deposit	T000-04	--	12	Cobbles and sand, aggrading bar
1A	T001-00	Area 1	1a	2023-11-20	652763.3	1149010.1	692.2	Top of west bank	--	--	--	--
1B ◊	T001-00	Area 1	1a	2023-11-20	652770.7	1149016.8	686.2	Middle of creek	--	5	10	Sand over clay, debris present
1C	T001-00	Area 1	1a	2023-11-20	652778.3	1149017.7	687.3	Bottom of east bank	--	0	0	Debris
1D	T001-00	Area 1	1a	2023-11-20	652791.9	1149026.4	691.0	Top of east bank	--	--	--	--
1E	T001-00	Area 1	1a	2023-11-20	652812.0	1149001.2	690.3	Sediment deposit	T001-01	--	0	Edge of bank deposit
1F*	T001-00	Area 1	1a	2023-11-20	652821.8	1148993.1	--	Sediment deposit	T001-01	--	0	Sand, bank deposit
1G	T001-00	Area 1	1a	2023-11-20	652838.3	1148978.8	689.6	Sediment deposit	T001-01	--	32	Sand and clay, bank deposit
1H	T001-00	Area 1	1a	2023-11-20	652851.8	1148968.4	690.0	Sediment deposit	T001-01	--	36	Sand and clay, bank deposit
2A	T002-00	Area 1	1a	2023-11-06	652828.3	1148935.5	696.8	Top of west bank	--	--	--	--
2B	T002-00	Area 1	1a	2023-11-06	652837.5	1148943.7	693.9	Bottom of west bank	--	11	0	Clay with rocks and sand
2C*	T002-00	Area 1	1a	2023-11-06	652843.4	1148950.8	--	Middle of creek	--	11	0	Clay with rocks and sand
2D	T002-00	Area 1	1a	2023-11-06	652848.9	1148960.3	694.0	Bottom of east bank	--	0	0	--
2E*	T002-00	Area 1	1a	2023-11-06	652866.9	1148982.1	--	Top of east bank	--	--	--	--
3A	T003-00	Area 1	1a	2023-11-06	652905.7	1148869.7	702.9	Top of west bank	--	--	--	--
3B	T003-00	Area 1	1a	2023-11-06	652923.1	1148883.3	692.8	Bottom of west bank	--	12	0	Clay with silt, downed tree
3C*	T003-00	Area 1	1a	2023-11-06	652925.5	1148893.9	--	Middle of creek	--	12	0	Clay with silt and rocks
3D	T003-00	Area 1	1a	2023-11-06	652935.4	1148901.6	693.7	Bottom of east bank	--	5	0	Clay with silt and rocks
3E*	T003-00	Area 1	1a	2023-11-06	652950.4	1148924.0	--	Top of east bank	--	--	--	--
4A	T004-00	Area 1	1a	2023-11-06	652990.8	1148815.1	694.9	Top of west bank	--	--	--	--
4B*	T004-00	Area 1	1a	2023-11-06	652994.4	1148818.6	--	Bottom of west bank	--	8	0	Clay with silt, debris
4C	T004-00	Area 1	1a	2023-11-06	653011.8	1148842.7	707.4	Middle of creek	--	14	0	Sheen observed
4D	T004-00	Area 1	1a	2023-11-06	653013.5	1148845.8	692.9	Bottom of east bank	--	--	0	Sandy clay
4E	T004-00	Area 1	1a	2023-11-06	653018.3	1148869.4	699.4	Top of east bank	--	--	--	--
5A	T005-00	Area 1	1a	2023-11-07	653070.8	1148755.4	694.8	Top of west bank	--	--	--	--
5B	T005-00	Area 1	1a	2023-11-07	653075.7	1148763.8	680.6	Bottom of west bank	--	--	0	Clay and silt over rocky sand
5C	T005-00	Area 1	1a	2023-11-07	653081.8	1148771.4	686.8	Middle of creek	--	5	0	Clay and silt over rocky sand
5D	T005-00	Area 1	1a	2023-11-07	653090.8	1148781.9	687.1	Bottom of east bank	--	--	0	Clay and silt over rocky sand
5E	T005-00	Area 1	1a	2023-11-07	653104.7	1148802.5	687.6	Top of east bank	--	--	--	--
6A	T006-00	Area 1	1a	2023-11-07	653173.4	1148745.1	686.5	Bottom of west bank	--	2	0	--
6B	T006-00	Area 1	1a	2023-11-07	653173.8	1148751.2	686.8	Middle of creek	--	2	0	Rock
6C	T006-00	Area 1	1a	2023-11-07	653168.7	1148758.7	680.4	Bottom of east bank	--	2	0	Rock
6D	T006-00	Area 1	1a	2023-11-07	653161.6	1148782.4	684.5	Top of east bank	--	--	--	--
7A	T007-00	Area 1	1a	2023-11-07	653272.3	1148774.1	686.2	Bottom of west bank	--	2	0	Gravel with fines
7B	T007-00	Area 1	1a	2023-11-07	653268.2	1148782.9	684.6	Middle of creek	--	25	0	Gravel with fines
7C	T007-00	Area 1	1a	2023-11-07	653265.7	1148790.8	686.5	Bottom of east bank	--	4	0	Gravel with fines

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
7D	T007-00	Area 1	1a	2023-11-07	653266.3	1148812.8	693.3	Top of east bank	--	--	--	--
8A	T008-00	Area 1	1a	2023-11-07	653364.3	1148819.1	684.7	Bottom of west bank	--	--	0	Gravel with fines, Steep bank with car parts and debris, sloughing
8B	T008-00	Area 1	1a	2023-11-07	653360.8	1148821.5	685.1	Middle of creek	--	3	0	Gravel with fines
8C	T008-00	Area 1	1a	2023-11-07	653358.9	1148835.3	685.2	Bottom of east bank	--	3	0	Gravel with fines
8D*	T008-00	Area 1	1a	2023-11-16	653464.1	1148853.4	--	Sediment deposit	T008-03	--	36	Fines with sand and gravel, bank deposit, greater than 3 ft
8E	T008-00	Area 1	1a	2023-11-16	653491.9	1148859.8	685.7	Sediment deposit	T008-03	--	17	Fines with sand and gravel, bank deposit
9A	T009-00	Area 1	1b	2023-11-07	653456.1	1148857.8	684.4	Bottom of west bank	--	2	0	Gravel with fines, steep bank, downed tree, sloughing bank
9B	T009-00	Area 1	1b	2023-11-07	653454.3	1148860.4	684.4	Middle of creek	--	6	0	Gravel with fines
9C	T009-00	Area 1	1b	2023-11-07	653453.2	1148866.4	684.9	Bottom of east bank	--	--	0	Gravel with fines
9D	T009-00	Area 1	1b	2023-11-16	653514.8	1148861.4	685.0	Sediment deposit	T009-01	--	9	Fines with sand and gravel, bank deposit
9E	T009-00	Area 1	1b	2023-11-16	653527.4	1148868.3	686.0	Sediment deposit	T009-01	--	11	Fines with sand and gravel, bank deposit
9F	T009-00	Area 1	1b	2023-11-16	653570.9	1148866.5	685.0	Sediment deposit	T009-01	--	12	Fines with sand and gravel, bank deposit
10A	T010-00	Area 1	1b	2023-11-16	653550.3	1148860.0	684.9	Bottom of west bank	--	0	2	Clay topped with sand and cobbles
10B	T010-00	Area 1	1b	2023-11-16	653546.5	1148866.8	687.1	Middle of creek	T009-01	0	12	Clay topped with sand and cobbles
10C ◊	T010-00	Area 1	1b	2023-11-16	653552.2	1148881.2	683.9	Bottom of east bank	--	--	11	Clay topped with sand and cobbles
11A ◊	T011-00	Area 1	1b	2023-11-16	653652.0	1148839.5	683.9	Bottom of west bank	--	0	6	Sands and hard clay topped with sand
11B	T011-00	Area 1	1b	2023-11-16	653654.0	1148847.1	682.8	Middle of creek	--	13	5	Sands and hard clay topped with sand
11C ◊	T011-00	Area 1	1b	2023-11-16	653655.7	1148854.6	683.7	Bottom of east bank	--	--	22	Clay topped with sand and cobbles
12A ◊	T012-00	Area 1	1b	2023-11-16	653745.3	1148806.5	683.7	Bottom of west bank	--	1	14	Clay and cobbles
12B ◊	T012-00	Area 1	1b	2023-11-16	653745.5	1148812.9	683.0	Middle of creek	--	12	24	Clay, no observable deposit feature
12C	T012-00	Area 1	1b	2023-11-16	653741.0	1148820.2	685.1	Bottom of east bank	--	0	5	Sands with gravel and cobbles
19A	T019-00	Area 1	1c	2023-11-07	654387.7	1148532.3	687.5	Top of east bank	--	--	--	Railroad embankment
19B	T019-00	Area 1	1c	2023-11-16	654402.8	1148500.3	682.4	Sediment deposit	T019-01	--	8	Cobbles with sand and gravel, very rocky, channel deposit
19C	T019-00	Area 1	1c	2023-11-16	654413.8	1148491.3	682.1	Sediment deposit	T019-01	--	6	Cobbles with sand and gravel, channel deposit
19D	T019-00	Area 1	1c	2023-11-16	654442.1	1148472.8	681.8	Sediment deposit	T019-01	--	4	Cobbles with sand and gravel, channel deposit
20A	T020-00	Area 1	1c	2023-11-07	654439.2	1148444.9	686.8	Top of west bank	--	--	--	Construction site
20B	T020-00	Area 1	1c	2023-11-07	654444.4	1148449.4	681.1	Bottom of west bank	--	--	0	Rock with sand
20C	T020-00	Area 1	1c	2023-11-07	654455.0	1148458.8	680.3	Middle of creek	--	4	0	Rock with sand
20D	T020-00	Area 1	1c	2023-11-07	654456.6	1148460.7	680.7	Bottom of east bank	--	--	0	Rock with sand
20E	T020-00	Area 1	1c	2023-11-21	654464.5	1148478.5	689.0	Top of east bank	--	--	--	Railroad embankment
21A	T021-00	Area 1	1c	2023-11-07	654520.9	1148387.6	685.7	Top of west bank	--	--	--	Construction site
21B	T021-00	Area 1	1c	2023-11-07	654524.8	1148392.8	679.5	Bottom of west bank	--	7	0	Gravelly sand with fines
21C	T021-00	Area 1	1c	2023-11-07	654530.9	1148401.5	678.6	Middle of creek	--	17	0	Gravelly sand with fines
21D	T021-00	Area 1	1c	2023-11-07	654538.5	1148411.7	679.9	Bottom of east bank	--	--	0	Gravelly sand with fines
21E	T021-00	Area 1	1c	2023-11-21	654543.1	1148419.0	686.4	Top of east bank	--	--	--	Railroad embankment
22A	T022-00	Area 1	1c	2023-11-21	654597.0	1148323.6	682.2	Top of west bank	--	--	--	Construction site
22B	T022-00	Area 1	1c	2023-11-07	654598.9	1148325.0	679.9	Bottom of west bank	--	--	0	Sand with gravel and fines
22C	T022-00	Area 1	1c	2023-11-07	654607.8	1148331.6	677.3	Middle of creek	--	29	0	Sand with gravel and fines
22D	T022-00	Area 1	1c	2023-11-07	654616.0	1148340.6	679.5	Bottom of east bank	--	1	0	Sand with gravel and fines
22E	T022-00	Area 1	1c	2023-11-07	654620.8	1148347.0	690.8	Top of east bank	--	--	--	Railroad embankment
23A	T023-00	Area 1	1d	2023-11-21	654668.1	1148254.3	682.3	Top of west bank	--	--	--	Construction site
23B	T023-00	Area 1	1d	2023-11-07	654672.9	1148255.8	676.9	Bottom of west bank	--	19	0	Sand with silt and clay
23C	T023-00	Area 1	1d	2023-11-07	654680.0	1148263.6	675.6	Middle of creek	--	24	0	Sand with silt and clay
23D	T023-00	Area 1	1d	2023-11-07	654685.7	1148271.3	676.8	Bottom of east bank	--	9	0	Sand with silt and clay
23E	T023-00	Area 1	1d	2023-11-07	654689.6	1148285.4	690.2	Top of east bank	--	--	--	Railroad embankment
24A	T024-00	Area 1	1d	2023-11-21	654747.7	1148187.4	681.6	Top of west bank	--	--	--	Railroad embankment
24B*	T024-00	Area 1	1d	2023-11-07	654748.6	1148188.5	--	Bottom of west bank	--	1	0	Sandy with rocks
24C	T024-00	Area 1	1d	2023-11-07	654756.9	1148199.8	678.7	Middle of creek	--	16	0	Sandy with rocks, sheen observed
24D	T024-00	Area 1	1d	2023-11-07	654764.3	1148210.2	679.6	Bottom of east bank	--	4	0	Sandy with rocks
24E	T024-00	Area 1	1d	2023-11-07	654765.9	1148212.8	683.9	Top of east bank	--	--	--	Construction site

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Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
25A	T025-00	Area 2	1d	2023-11-08	654768.8	1148135.5	685.4	Top of west bank	--	--	--	--
25B	T025-00	Area 1	1d	2023-11-16	654789.1	1148139.0	678.0	Bottom of west bank	--	0	4	Fines with gravel
25C	T025-00	Area 1	1d	2023-11-16	654803.3	1148151.1	677.7	Middle of creek	--	12	2	Sands with gravel
25D	T025-00	Area 1	1d	2023-11-16	654812.9	1148160.4	676.6	Bottom of east bank	--	10	2	Sands with gravel
25E	T025-00	Area 2	1d	2023-11-16	654847.2	1148071.0	685.4	Sediment deposit	T025-01	--	36	Aggrading bar
26A	T026-00	Area 2	1d	2023-11-08	654836.1	1148018.1	687.9	Top of west bank	--	--	--	Steep slope
26B	T026-00	Area 2	1d	2023-11-08	654839.4	1148022.3	682.1	Bottom of west bank	--	0	0	Gravel with sand and larger rocks
26C	T026-00	Area 2	1d	2023-11-08	654852.6	1148028.3	678.6	Middle of creek	--	0	0	Gravel with sand and larger rocks
26D	T026-00	Area 2	1d	2023-11-08	654865.0	1148036.5	681.6	Bottom of east bank	--	0	0	Gravel with sand and larger rocks
26E	T026-00	Area 2	1d	2023-11-08	654868.0	1148039.4	683.9	Top of east bank	--	--	--	Railroad embankment
27A	T027-00	Area 2	1d	2023-11-08	654886.2	1147932.9	689.1	Top of west bank	--	--	--	--
27B	T027-00	Area 2	1d	2023-11-08	654894.1	1147935.7	686.8	Bottom of west bank	--	0	0	Cobbles with sand
27C	T027-00	Area 2	1d	2023-11-08	654904.9	1147939.8	681.0	Middle of creek	--	2	0	Cobbles with sand
27D	T027-00	Area 2	1d	2023-11-08	654911.4	1147942.6	692.2	Bottom of east bank	--	0	0	Cobbles with sand
27E	T027-00	Area 2	1d	2023-11-08	654919.7	1147946.5	694.0	Top of east bank	--	--	--	--
27F	T027-00	Area 2	1d	2023-11-08	654923.7	1147899.7	684.1	Location of previous deposit (S-2-3A), no sediment observed	--	--	0	Gravel with sand
28A	T028-00	Area 2	1d	2023-11-08	654936.9	1147841.1	685.2	Top of west bank	--	--	--	--
28B	T028-00	Area 2	1d	2023-11-08	654947.2	1147849.1	678.0	Bottom of west bank	--	3	0	Cobbles with sand
28C	T028-00	Area 2	1d	2023-11-08	654958.7	1147850.9	681.5	Middle of creek	--	3	0	Cobbles with sand
28D	T028-00	Area 2	1d	2023-11-08	654968.2	1147856.1	678.0	Bottom of east bank	--	0	0	Cobbles with sand
28E	T028-00	Area 2	1d	2023-11-15	654974.8	1147858.4	685.5	Top of east bank	--	--	--	--
29A*	T029-00	Area 2	1d	2023-11-08	654954.7	1147750.5	--	Top of west bank	--	--	--	--
29B	T029-00	Area 2	1d	2023-11-08	654980.0	1147761.3	675.7	Bottom of west bank	T029-01	0	36	Cobbles with gravel and sand
29C	T029-00	Area 2	1d	2023-11-08	654990.3	1147764.7	679.3	Middle of creek	T029-01	2	36	Cobbles with gravel and sand
29D	T029-00	Area 2	1d	2023-11-08	655003.7	1147769.3	674.9	Bottom of east bank	--	0	0	Cobbles gravel and sand
29E	T029-00	Area 2	1d	2023-11-08	655010.3	1147773.1	680.1	Top of east bank	--	--	--	--
29F	T029-00	Area 2	1d	2023-11-08	654979.6	1147753.0	688.0	Sediment deposit	T029-01	--	36	Sand and fines, aggrading bar
29G	T029-00	Area 2	1d	2023-11-15	654964.9	1147733.3	687.0	Sediment deposit	T029-01	--	36	Sand and fines, aggrading bar
29H	T029-00	Area 2	1d	2023-11-15	654981.6	1147733.1	685.7	Sediment deposit	T029-01	--	36	Sand and fines, aggrading bar
33A	T033-00	Area 2	1e	2023-11-13	654908.5	1147411.9	678.5	Sediment deposit	T033-01	--	36	Sand with fines and gravel, channel deposit
33B	T033-00	Area 2	1e	2023-11-13	654919.2	1147410.1	678.5	Sediment deposit	T033-01	--	36	Sand with fines and gravel, channel deposit
33C	T033-00	Area 2	1e	2023-11-13	654926.0	1147412.8	677.5	Sediment deposit	T033-01	--	12	Sand with fines and gravel, channel deposit
33D	T033-00	Area 2	1e	2023-11-13	654921.8	1147387.9	678.5	Sediment deposit	T033-01	--	21	Sand with fines, channel deposit
33E	T033-00	Area 2	1e	2023-11-13	654951.0	1147414.8	671.9	Sediment deposit	T033-02	--	13	Fines with sand, bank deposit
33F	T033-00	Area 2	1e	2023-11-13	654948.5	1147397.9	674.2	Sediment deposit	T033-02	--	13	Fines with sand, bank deposit
33G	T033-00	Area 2	1e	2023-11-13	654932.7	1147369.4	676.5	Sediment deposit	T033-02	--	7	Fines with sand and cobbles, bank deposit
34A	T034-00	Area 2	1e	2023-11-08	654891.0	1147298.4	686.8	Top of west bank	--	--	--	Riprap on slope
34B	T034-00	Area 2	1e	2023-11-08	654902.2	1147301.4	682.1	Bottom of west bank	--	3	0	Cobbles with gravel
34C	T034-00	Area 2	1e	2023-11-08	654907.5	1147295.6	671.9	Middle of creek	--	9	0	Cobbles with gravel
34D	T034-00	Area 2	1e	2023-11-08	654916.7	1147295.4	681.9	Bottom of east bank	--	3	0	Cobbles with gravel
34E	T034-00	Area 2	1e	2023-11-08	654923.8	1147299.6	688.6	Top of east bank	--	--	--	--
34F	T034-00	Area 2	1e	2023-11-08	654917.5	1147276.1	679.5	Sediment deposit	T034-01	--	3	Sand with some fines, bank deposit
34G	T034-00	Area 2	1e	2023-11-08	654917.2	1147272.4	679.8	Sediment deposit	T034-01	--	6	Sand with some fines, bank deposit
34H	T034-00	Area 2	1e	2023-11-08	654916.9	1147272.0	680.1	Sediment deposit	T034-01	--	12	Sand with some fines, bank deposit
34I	T034-00	Area 2	1e	2023-11-08	654916.6	1147265.6	679.5	Sediment deposit	T034-01	--	10	Sand with some fines, bank deposit
34J	T034-00	Area 2	1e	2023-11-08	654918.2	1147253.7	680.4	Sediment deposit	T034-01	--	18	Sand with some fines, bank deposit
34K	T034-00	Area 2	1e	2023-11-08	654918.0	1147240.1	679.8	Sediment deposit	T034-01	--	7	Sand with some fines, bank deposit
34L	T034-00	Area 2	1e	2023-11-08	654914.5	1147239.8	679.8	Sediment deposit	T034-01	--	8	Sand with some fines, bank deposit
34M	T034-00	Area 2	1e	2023-11-08	654917.5	1147229.6	679.1	Sediment deposit	T034-01	--	8	Sand with some fines, bank deposit

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
35A	T035-00	Area 2	1e	2023-11-08	654899.0	1147199.4	684.6	Top of west bank	--	--	--	Riprap on slope
35B	T035-00	Area 2	1e	2023-11-08	654905.6	1147200.6	680.3	Bottom of west bank	--	3	0	Cobbles with sand
35C	T035-00	Area 2	1e	2023-11-08	654915.5	1147200.2	678.3	Middle of creek	--	16	0	Cobbles with sand
35D	T035-00	Area 2	1e	2023-11-08	654923.8	1147200.9	680.8	Bottom of east bank	--	0	0	Cobbles with sand
35E	T035-00	Area 2	1e	2023-11-08	654933.4	1147202.6	685.4	Top of east bank	--	--	--	--
36A	T036-00	Area 2	1e	2023-11-08	654900.0	1147101.6	681.8	Top of west bank	--	--	--	--
36B	T036-00	Area 2	1e	2023-11-08	654913.2	1147100.3	673.3	Bottom of west bank	--	1	0	Cobbles
36C	T036-00	Area 2	1e	2023-11-08	654920.2	1147101.5	674.1	Middle of creek	--	2	0	Cobbles
36D	T036-00	Area 2	1e	2023-11-08	654930.0	1147099.2	674.0	Bottom of east bank	--	0	0	Cobbles
36E*	T036-00	Area 2	1e	2023-11-08	654939.0	1147100.6	--	Top of east bank	--	--	--	--
36F	T036-00	Area 2	1e	2023-11-08	654916.5	1147081.3	674.2	Sediment deposit	T036-01	16	4	Sands with fines
36G	T036-00	Area 2	1e	2023-11-08	654916.4	1147073.8	672.9	Sediment deposit	T036-01	12	5	Sands with fines
36H	T036-00	Area 2	1e	2023-11-08	654918.1	1147069.0	672.9	Sediment deposit	T036-01	9	6	Sands with fines
37A	T037-00	Area 2	1e	2023-11-08	654917.2	1146999.8	679.2	Top of west bank	--	--	--	--
37B	T037-00	Area 2	1e	2023-11-08	654921.3	1147000.3	673.4	Bottom of west bank	--	0	0	Cobbles
37C	T037-00	Area 2	1e	2023-11-08	654931.9	1147001.3	673.6	Middle of creek	--	5	0	Cobbles
37D	T037-00	Area 2	1e	2023-11-08	654941.0	1147003.8	673.7	Bottom of east bank	--	0	0	Cobbles
37E	T037-00	Area 2	1e	2023-11-08	654951.7	1147006.1	679.8	Top of east bank	--	--	--	--
37F	T037-00	Area 2	1e	2023-11-08	654950.8	1146933.9	672.6	Sediment deposit	T037-01	--	13	Sand and cobbles with debris, bank deposit
37G	T037-00	Area 2	1e	2023-11-08	654951.0	1146931.1	676.5	Sediment deposit	T037-01	--	12	Sand and cobbles with debris, bank deposit
37H	T037-00	Area 2	1e	2023-11-08	654955.8	1146920.6	671.3	Sediment deposit	T037-01	--	8	Sand and cobbles with debris, bank deposit
38A	T038-00	Area 2	1f	2023-11-08	654948.4	1146897.8	671.2	Bottom of west bank	--	0	0	Cobbles with sand
38B	T038-00	Area 2	1f	2023-11-08	654952.6	1146898.8	670.5	Middle of creek	--	7	0	Cobbles with sand
38C	T038-00	Area 2	1f	2023-11-08	654967.0	1146901.1	676.2	Bottom of east bank	--	0	0	Cobbles with sand
38D	T038-00	Area 2	1f	2023-11-08	654974.7	1146904.8	680.5	Top of east bank	--	--	--	--
39A	T039-00	Area 2	1f	2023-11-08	654989.3	1146818.3	685.5	Top of west bank	--	--	--	--
39B	T039-00	Area 2	1f	2023-11-08	654991.8	1146828.3	678.4	Bottom of west bank	--	5	0	Cobbles
39C	T039-00	Area 2	1f	2023-11-08	654993.8	1146829.2	681.2	Middle of creek	--	5	0	Cobbles
39D	T039-00	Area 2	1f	2023-11-08	654999.5	1146835.7	677.3	Bottom of east bank	--	0	0	Cobbles
39E	T039-00	Area 2	1f	2023-11-08	655014.8	1146851.5	681.3	Top of east bank	--	--	--	--
39F	T039-00	Area 2	1f	2023-11-08	655056.3	1146808.3	674.2	Sediment deposit	T039-01	--	15	Clay and fines, aggrading bar
39G	T039-00	Area 2	1f	2023-11-08	655067.5	1146798.4	673.9	Sediment deposit	T039-01	--	10	Clay and fines, aggrading bar
39H	T039-00	Area 2	1f	2023-11-08	655108.8	1146797.1	674.9	Sediment deposit	T039-01	--	36	Clay and fines, aggrading bar
39I	T039-00	Area 2	1f	2023-11-08	655130.6	1146792.5	674.5	Sediment deposit	T039-01	--	36	Clay and fines, aggrading bar
39J	T039-00	Area 2	1f	2023-11-08	655107.1	1146790.5	672.2	Sediment deposit	T039-01	--	8	Clay and fines, aggrading bar
39K	T039-00	Area 2	1f	2023-11-08	655155.6	1146782.6	674.9	Sediment deposit	T039-01	--	36	Clay and fines, aggrading bar
40A	T040-00	Area 2	1f	2023-11-08	655073.9	1146778.1	678.1	Top of west bank	--	--	--	--
40B	T040-00	Area 2	1f	2023-11-08	655074.3	1146783.0	672.7	Bottom of west bank	--	0	0	--
40C	T040-00	Area 2	1f	2023-11-08	655077.0	1146789.2	671.8	Middle of creek	--	6	0	--
40D	T040-00	Area 2	1f	2023-11-08	655080.1	1146794.7	672.5	Bottom of east bank	--	3	0	--
40E	T040-00	Area 2	1f	2023-11-08	655085.2	1146822.2	677.6	Top of east bank	--	--	--	--
40F	T040-00	Area 2	1f	2023-11-08	655177.2	1146755.3	674.2	Sediment deposit	T040-01	--	14	Gravel with clay, aggrading bar
40G	T040-00	Area 2	1f	2023-11-08	655202.3	1146748.3	673.6	Sediment deposit	T040-01	--	10	Gravel with clay, aggrading bar

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
41A	T041-00	Area 2	1f	2023-11-08	655166.4	1146737.9	676.6	Top of west bank	--	--	--	--
41B	T041-00	Area 2	1f	2023-11-08	655176.3	1146759.4	672.6	Bottom of west bank	T040-01	0	0	Sandy gravel
41C	T041-00	Area 2	1f	2023-11-08	655179.4	1146766.7	672.2	Middle of creek	--	2	0	Sandy gravel
41D	T041-00	Area 2	1f	2023-11-08	655179.4	1146772.4	672.5	Bottom of east bank	--	0	0	Sandy gravel
41E	T041-00	Area 2	1f	2023-11-08	655183.3	1146779.3	677.5	Top of east bank	--	--	--	--
41F	T041-00	Area 2	1f	2023-11-08	655219.4	1146732.0	673.9	Sediment deposit	T041-01	--	8	Sand with gravel
41G	T041-00	Area 2	1f	2023-11-08	655230.0	1146726.2	673.6	Sediment deposit	T041-01	--	12	Sand with gravel
41H	T041-00	Area 2	1f	2023-11-08	655240.3	1146719.5	673.2	Sediment deposit	T041-01	--	16	Sand with gravel
41I	T041-00	Area 2	1f	2023-11-08	655261.1	1146707.5	673.9	Sediment deposit	T041-01	--	15	Sand with gravel
41J	T041-00	Area 2	1f	2023-11-08	655278.1	1146684.6	673.6	Sediment deposit	T041-01	--	15	Sand with gravel
42A	T042-00	Area 2	1f	2023-11-08	655247.2	1146688.2	676.3	Top of west bank	--	--	--	--
42B	T042-00	Area 2	1f	2023-11-08	655265.1	1146710.2	672.2	Bottom of west bank	--	7	0	Cobbles
42C	T042-00	Area 2	1f	2023-11-08	655269.6	1146716.4	671.2	Middle of creek	--	7	0	Cobbles
42D	T042-00	Area 2	1f	2023-11-08	655270.2	1146726.6	672.3	Bottom of east bank	--	0	0	Cobbles
42E	T042-00	Area 2	1f	2023-11-08	655274.4	1146731.3	678.5	Top of east bank	--	--	--	--
42F* ◊	T042-00	Area 2	1f	2023-11-09	655323.5	1146661.1	--	Sediment observed (less than 50 square feet)	--	--	6	Sand
43A	T043-00	Area 2	1f	2023-11-09	655349.6	1146649.6	683.7	Top of west bank	--	--	--	--
43B	T043-00	Area 2	1f	2023-11-09	655357.3	1146648.1	677.7	Bottom of west bank	--	3	0	Cobbles with sand
43C	T043-00	Area 2	1f	2023-11-09	655360.0	1146660.9	673.1	Middle of creek	--	3	0	Cobbles with sand
43D	T043-00	Area 2	1f	2023-11-09	655357.9	1146674.1	675.6	Bottom of east bank	--	3	0	Cobbles with sand
43E	T043-00	Area 2	1f	2023-11-09	655415.7	1146635.5	674.9	Location of previous deposit (S-2-14), little sediment observed	--	--	0	--
44A	T044-00	Area 2	1f	2023-11-09	655438.4	1146612.6	679.9	Top of west bank	--	--	--	--
44B	T044-00	Area 2	1f	2023-11-09	655440.0	1146622.1	677.1	Bottom of west bank	--	0	0	Cobbles with sand
44C	T044-00	Area 2	1f	2023-11-09	655441.3	1146630.9	672.4	Middle of creek	--	2	0	Cobbles with sand
44D	T044-00	Area 2	1f	2023-11-09	655446.0	1146640.6	673.9	Bottom of east bank	--	2	0	Cobbles with sand
44E	T044-00	Area 2	1f	2023-11-09	655450.7	1146649.0	679.5	Top of east bank	--	--	--	--
45A	T045-00	Area 2	1g	2023-11-09	655529.0	1146578.3	682.6	Top of west bank	--	--	--	--
45B	T045-00	Area 2	1g	2023-11-09	655533.3	1146590.1	676.7	Bottom of west bank	--	0	0	Cobbles with sand
45C	T045-00	Area 2	1g	2023-11-09	655537.0	1146598.9	677.8	Middle of creek	--	3	0	Cobbles with sand
45D	T045-00	Area 2	1g	2023-11-09	655542.7	1146608.3	675.6	Bottom of east bank	--	0	0	Cobbles with sand
45E	T045-00	Area 2	1g	2023-11-09	655547.5	1146615.9	681.7	Top of east bank	--	--	--	--
45F	T045-00	Area 2	1g	2023-11-09	655587.4	1146560.2	680.1	Sediment deposit	T045-01	--	10	Clay with fines, bank deposit
45G	T045-00	Area 2	1g	2023-11-09	655608.1	1146553.1	678.1	Sediment deposit	T045-01	--	12	Clay with fines, bank deposit
45H	T045-00	Area 2	1g	2023-11-09	655621.3	1146547.6	676.8	Sediment deposit	T045-01	--	9	Clay with fines, bank deposit
45I	T045-00	Area 2	1g	2023-11-09	655637.9	1146540.5	676.2	Sediment deposit	T045-01	--	9	Clay with fines, bank deposit
46A	T046-00	Area 2	1g	2023-11-09	655618.1	1146536.4	679.9	Top of west bank	--	--	--	--
46B	T046-00	Area 2	1g	2023-11-09	655623.9	1146548.0	677.4	Bottom of west bank	T045-01	0	0	Cobbles with gravel
46C*	T046-00	Area 2	1g	2023-11-09	655626.5	1146557.8	--	Middle of creek	--	3	4	Cobbles with gravel
46D	T046-00	Area 2	1g	2023-11-09	655631.6	1146561.1	673.5	Bottom of east bank	--	3	4	Cobbles with gravel
46E	T046-00	Area 2	1g	2023-11-09	655632.4	1146561.5	683.2	Top of east bank	--	--	--	--
47A	T047-00	Area 2	1g	2023-11-09	655698.3	1146477.0	681.1	Top of west bank	--	--	--	--
47B	T047-00	Area 2	1g	2023-11-09	655703.5	1146487.5	675.1	Bottom of west bank	--	0	0	Cobbles with sand
47C	T047-00	Area 2	1g	2023-11-09	655707.0	1146494.9	673.7	Middle of creek	--	16	0	Cobbles with sand
47D	T047-00	Area 2	1g	2023-11-09	655710.8	1146502.5	673.7	Bottom of east bank	--	11	0	Cobbles with sand
47E	T047-00	Area 2	1g	2023-11-09	655715.9	1146512.1	682.1	Top of east bank	--	--	--	--
47F	T047-00	Area 2	1g	2023-11-09	655707.3	1146497.7	673.9	Sediment deposit (T47-01), poor GPS signal	T047-01	16	8	Sand, channel deposit
47G	T047-00	Area 2	1g	2023-11-09	655707.6	1146497.6	674.2	Sediment deposit (T47-01), poor GPS signal	T047-01	13	7	Sand, channel deposit
47H	T047-00	Area 2	1g	2023-11-09	655721.1	1146493.0	673.9	Sediment deposit	T047-02	--	10	Sand

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
48A	T048-00	Area 2	1g	2023-11-09	655785.2	1146426.8	672.8	Top of west bank	--	--	--	--
48B	T048-00	Area 2	1g	2023-11-09	655788.0	1146436.0	669.1	Bottom of west bank	--	1	0	Cobbles with sand
48C	T048-00	Area 2	1g	2023-11-09	655792.6	1146442.5	668.5	Middle of creek	--	6	0	Cobbles with sand
48D	T048-00	Area 2	1g	2023-11-09	655797.8	1146451.3	669.2	Bottom of east bank	--	1	0	Cobbles with sand
48E	T048-00	Area 2	1g	2023-11-09	655803.6	1146462.0	676.9	Top of east bank	--	--	--	--
48F	T048-00	Area 2	1g	2023-11-09	655862.7	1146407.5	667.7	Sediment deposit	T048-01	11	9	Sand over clay, channel deposit
48G	T048-00	Area 2	1g	2023-11-09	655874.0	1146399.6	667.3	Sediment deposit	T048-01	14	16	Sand over clay, channel deposit, sheen observed
48H	T048-00	Area 2	1g	2023-11-09	655859.1	1146396.0	667.3	Sediment deposit	T048-01	--	7	Clay with fines channel deposit
48I	T048-00	Area 2	1g	2023-11-09	655862.7	1146395.2	667.0	Sediment deposit	T048-01	12	11	Sand over clay, channel deposit
49A	T049-00	Area 2	1g	2023-11-09	655867.1	1146382.9	672.6	Top of west bank	--	--	--	--
49B	T049-00	Area 2	1g	2023-11-09	655869.3	1146385.0	667.4	Bottom of west bank	--	3	0	Cobbles with sand
49C	T049-00	Area 2	1g	2023-11-09	655876.1	1146393.5	666.1	Middle of creek	--	17	0	Cobbles with sand
49D	T049-00	Area 2	1g	2023-11-09	655880.8	1146400.6	667.6	Bottom of east bank	--	4	0	Cobbles with sand
49E	T049-00	Area 2	1g	2023-11-09	655885.1	1146407.0	671.1	Top of east bank	--	--	--	--
50A	T050-00	Area 2	1g	2023-11-20	655969.7	1146322.0	668.5	Bottom of west bank	--	--	0	--
50B	T050-00	Area 2	1g	2023-11-20	655977.6	1146331.5	669.1	Middle of creek	--	--	0	--
50C ◊	T050-00	Area 2	1g	2023-11-20	655983.7	1146342.1	670.7	Bottom of east bank	--	0	6	--
50D	T050-00	Area 2	1g	2023-11-20	655993.5	1146353.6	676.3	Top of east bank	--	--	--	--
50E	T050-00	Area 2	1g	2023-11-20	656020.6	1146293.9	668.3	Boundary of sediment deposit	T050-01	--	0	Sands with fines, bank deposit
50F	T050-00	Area 2	1g	2023-11-20	656018.1	1146290.0	668.6	Boundary of sediment deposit	T050-01	--	6	Sands with fines, wood debris, bank deposit
50G	T050-00	Area 2	1g	2023-11-20	656027.2	1146282.3	669.0	Boundary of sediment deposit	T050-01	--	0	--
51A	T051-00	Area 3	1g	2023-11-20	656111.6	1146302.7	668.3	Sediment deposit	T051-01	--	0	Fines and gravel, channel deposit
51B	T051-00	Area 3	1g	2023-11-09	656123.5	1146278.7	669.6	Sediment deposit	T051-02	--	10	Sand, aggrading bar
51C	T051-00	Area 3	1g	2023-11-09	656154.6	1146267.5	671.3	Sediment deposit	T051-02	--	10	Sand, aggrading bar
52A*	T052-00	Area 3	1g	2023-11-09	656143.2	1146266.7	--	Top of west bank	--	--	--	Concrete wall
52B	T052-00	Area 3	1g	2023-11-09	656145.2	1146280.8	667.6	Bottom of west bank	--	0	0	Concrete
52C	T052-00	Area 3	1g	2023-11-09	656147.8	1146277.2	667.6	Middle of creek, within sediment deposit	T051-02	0	11	Concrete
52D	T052-00	Area 3	1g	2023-11-09	656151.0	1146289.9	667.5	Middle of creek	--	1	0	Concrete
52E	T052-00	Area 3	1g	2023-11-09	656157.5	1146316.7	667.7	Bottom of east bank	--	1	0	Concrete
52F	T052-00	Area 3	1g	2023-11-09	656158.1	1146316.9	672.9	Top of east bank	--	--	--	Concrete wall
53A	T053-00	Area 3	1h	2023-11-09	656227.4	1146228.8	672.5	Top of west bank	--	--	--	Concrete wall
53B	T053-00	Area 3	1h	2023-11-09	656227.9	1146229.3	667.5	Bottom of west bank	--	0	0	Concrete
53C	T053-00	Area 3	1h	2023-11-09	656236.6	1146240.3	666.4	Middle of creek	--	10	0	Concrete
53D	T053-00	Area 3	1h	2023-11-09	656245.4	1146253.4	667.7	Bottom of east bank	--	0	0	Concrete
53E	T053-00	Area 3	1h	2023-11-09	656245.5	1146253.8	672.7	Top of east bank	--	--	--	Concrete wall
53F*	T053-00	Area 3	1h	2023-11-09	656310.5	1146211.3	--	Location of previous deposit (3-3), little sediment observed	--	--	4	Sand with fines
54A	T054-00	Area 3	1h	2023-11-09	656315.4	1146181.1	671.8	Top of west bank, concrete wall	--	--	--	Concrete wall
54B	T054-00	Area 3	1h	2023-11-09	656315.8	1146181.2	667.3	Bottom of west bank	--	0	0	Concrete
54C	T054-00	Area 3	1h	2023-11-09	656321.8	1146194.4	666.2	Middle of creek	--	8	0	Concrete
54D	T054-00	Area 3	1h	2023-11-09	656330.8	1146206.0	667.4	Bottom of east bank	--	0	0	Concrete
54E	T054-00	Area 3	1h	2023-11-09	656331.4	1146206.3	672.2	Top of east bank	--	--	--	Concrete wall
55A	T055-00	Area 3	1h	2023-11-09	656405.6	1146133.6	679.9	Top of west bank	--	--	--	Concrete wall
55B	T055-00	Area 3	1h	2023-11-09	656406.0	1146133.9	674.9	Bottom of west bank	--	6	0	Concrete
55C	T055-00	Area 3	1h	2023-11-09	656412.5	1146145.2	673.0	Middle of creek	--	6	0	Concrete
55D	T055-00	Area 3	1h	2023-11-09	656420.5	1146157.4	673.8	Bottom of east bank	--	6	0	Concrete
55E	T055-00	Area 3	1h	2023-11-09	656420.7	1146157.7	678.9	Top of east bank	--	--	--	Concrete wall
55F ◊	T055-00	Area 3	1h	2023-11-09	656418.8	1146149.0	662.1	Sediment observed (less than 50 square feet)	--	--	7	Sand, channel deposit
55G	T055-00	Area 3	1h	2023-11-09	656423.4	1146139.1	667.0	Sediment deposit	T055-01	--	6	Sand, channel deposit
55H	T055-00	Area 3	1h	2023-11-09	656441.6	1146124.1	665.4	Sediment deposit	T055-01	--	6	Sand, channel deposit

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
56A	T056-00	Area 3	1h	2023-11-09	656490.5	1146086.4	673.9	Top of west bank	--	--	--	Concrete wall
56B	T056-00	Area 3	1h	2023-11-09	656490.8	1146086.1	668.6	Bottom of west bank	--	5	0	Concrete
56C	T056-00	Area 3	1h	2023-11-09	656496.5	1146099.0	667.8	Middle of creek	--	5	0	Concrete
56D	T056-00	Area 3	1h	2023-11-09	656501.7	1146112.7	667.8	Bottom of east bank	--	0	0	Concrete
56E	T056-00	Area 3	1h	2023-11-09	656502.7	1146112.7	672.7	Top of east bank	--	--	--	Concrete wall
57A	T057-00	Area 3	1h	2023-11-10	656593.7	1146084.2	670.2	Bottom of west bank	--	0	0	Concrete
57B	T057-00	Area 3	1h	2023-11-10	656592.2	1146101.8	669.0	Middle of creek	--	2	0	Concrete
57C	T057-00	Area 3	1h	2023-11-10	656588.2	1146122.5	671.1	Bottom of east bank	--	0	4	Concrete
58A	T058-00	Area 3	1h	2023-11-10	656635.2	1146026.7	665.4	Bottom of west bank	--	0	0	Concrete
58B	T058-00	Area 3	1h	2023-11-10	656647.1	1146029.9	665.2	Middle of creek	--	0	0	Concrete
58C	T058-00	Area 3	1h	2023-11-10	656663.3	1146034.8	666.5	Bottom of east bank	--	0	0	Concrete
59A	T059-00	Area 3	1h	2023-11-10	656655.6	1145925.1	664.9	Bottom of west bank	--	0	0	Concrete
59B	T059-00	Area 3	1h	2023-11-10	656669.7	1145927.6	663.9	Middle of creek	--	4	0	Concrete
59C	T059-00	Area 3	1h	2023-11-10	656684.1	1145932.0	664.9	Bottom of east bank	--	0	0	Concrete
60A	T060-00	Area 3	1h	2023-11-10	656674.8	1145828.6	664.1	Bottom of west bank	--	0	0	Concrete
60B	T060-00	Area 3	1h	2023-11-10	656689.7	1145830.5	662.8	Middle of creek	--	9	3	--
60C	T060-00	Area 3	1h	2023-11-10	656703.9	1145832.2	664.4	Bottom of east bank	--	0	0	Concrete
61A*	T061-00	Area 3	1i	2023-11-10	656683.5	1145729.3	--	Bottom of west bank	--	--	0	Concrete
61B	T061-00	Area 3	1i	2023-11-09	656707.3	1145737.3	663.1	Middle of creek	--	1	0	Concrete
61C	T061-00	Area 3	1i	2023-11-10	656722.5	1145737.1	663.7	Bottom of east bank	--	0	0	Concrete
62A	T062-00	Area 3	1i	2023-11-10	656716.6	1145631.0	663.1	Bottom of west bank	--	0	0	Concrete
62B	T062-00	Area 3	1i	2023-11-10	656729.2	1145633.2	662.5	Middle of creek	--	3	0	Concrete
62C	T062-00	Area 3	1i	2023-11-10	656742.8	1145635.7	663.3	Bottom of east bank	--	0	0	Concrete
63A	T063-00	Area 3	1i	2023-11-10	656739.6	1145537.4	663.1	Bottom of west bank	--	0	0	Concrete
63B	T063-00	Area 3	1i	2023-11-10	656752.9	1145540.8	661.7	Middle of creek	--	4	3	Sandy gravel over concrete
63C	T063-00	Area 3	1i	2023-11-10	656765.4	1145542.8	663.0	Bottom of east bank	--	0	0	Concrete
63D	T063-00	Area 3	1i	2023-11-10	656756.8	1145528.3	662.1	Sediment observed (less than 50 square feet)	--	--	4	Sand with gravel over concrete, channel deposit
64A	T064-00	Area 3	1i	2023-11-10	656764.1	1145436.9	662.8	Bottom of west bank	--	0	0	Concrete
64B	T064-00	Area 3	1i	2023-11-10	656776.7	1145439.7	661.7	Middle of creek	--	3	3	Sand with gravel over concrete
64C	T064-00	Area 3	1i	2023-11-10	656789.3	1145442.5	662.8	Bottom of east bank	--	0	0	Concrete
64D	T064-00	Area 3	1i	2023-11-10	656780.0	1145429.3	661.7	Sediment deposit	T064-01	--	5	Sand with gravel over concrete, channel deposit
64E	T064-00	Area 3	1i	2023-11-10	656794.4	1145368.9	661.4	Sediment deposit	T064-02	2	5	Sand with gravel over concrete, channel deposit
64F	T064-00	Area 3	1i	2023-11-10	656808.0	1145324.1	661.4	Sediment deposit	T064-02	2	4	Sand with gravel over concrete, channel deposit
64G	T064-00	Area 3	1i	2023-11-10	656814.3	1145293.3	661.7	Sediment deposit	T064-02	0	7	Sand with gravel over concrete, channel deposit
66A*	T066-00	Area 3	1i	2023-11-10	656812.7	1145227.8	--	Bottom of west bank	--	0	0	Concrete
66B	T066-00	Area 3	1i	2023-11-10	656824.2	1145232.7	661.1	Middle of creek	--	2	0	Concrete
66C	T066-00	Area 3	1i	2023-11-10	656837.4	1145235.5	661.1	Bottom of east bank	--	2	0	Concrete
67A	T067-00	Area 3	1i	2023-11-10	656831.3	1145143.9	660.9	Bottom of west bank	--	0	0	Concrete
67B	T067-00	Area 3	1i	2023-11-10	656841.8	1145146.7	660.6	Middle of creek	--	3	0	Concrete
67C	T067-00	Area 3	1i	2023-11-10	656857.1	1145150.1	660.8	Bottom of east bank	--	--	0	Concrete
68A	T068-00	Area 3	1j	2023-11-20	656853.7	1145048.2	660.6	Bottom of west bank	--	5	0	Concrete
68B*	T068-00	Area 3	1j	2023-11-20	656863.2	1145051.3	--	Middle of creek	--	5	0	Concrete
68C*	T068-00	Area 3	1j	2023-11-20	656869.7	1145052.8	--	Bottom of east bank	--	5	0	Concrete
69A*	T069-00	Area 3	1j	2023-11-21	656861.7	1144953.8	--	Bottom of west bank, under bridge	--	0	0	Concrete
69B*	T069-00	Area 3	1j	2023-11-21	656873.7	1144953.8	--	Middle of creek, under bridge	--	4	0	Concrete
69C*	T069-00	Area 3	1j	2023-11-21	656887.3	1144951.6	--	Bottom of east bank, under bridge	--	0	0	Concrete
70A	T070-00	Area 3	1j	2023-11-20	656865.3	1144851.4	658.9	Bottom of west bank	--	0	0	Concrete
70B*	T070-00	Area 3	1j	2023-11-20	656878.9	1144854.5	--	Middle of creek	--	1	0	Concrete
70C	T070-00	Area 4	1j	2023-11-20	656896.2	1144854.3	658.7	Bottom of east bank	--	0	0	Concrete

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Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
71A*	T071-00	Area 4	1j	2023-11-20	656881.4	1144749.1	--	Top of west bank	--	--	--	--
71B	T071-00	Area 4	1j	2023-11-20	656893.6	1144753.2	654.0	Bottom of west bank	--	--	0	Cobbles
71C	T071-00	Area 3	1j	2023-11-20	656900.9	1144755.0	654.1	Middle of creek	--	--	0	Cobbles
71D	T071-00	Area 4	1j	2023-11-20	656915.8	1144760.1	661.6	Bottom of east bank	--	--	0	Cobbles
71E	T071-00	Area 4	1j	2023-11-20	656931.8	1144769.7	668.1	Top of east bank	--	--	--	--
72A	T072-00	Area 4	1j	2023-11-20	656921.8	1144655.6	652.0	Bottom of west bank	--	0	3	Cobbles
72B	T072-00	Area 4	1j	2023-11-21	656934.5	1144657.1	652.0	Middle of creek	--	4	0	Cobbles
72C	T072-00	Area 4	1j	2023-11-20	656943.8	1144659.3	651.7	Bottom of east bank	--	0	3	Cobbles
72D	T072-00	Area 4	1j	2023-11-20	656960.0	1144667.4	658.7	Top of east bank	--	--	--	--
73A	T073-00	Area 4	1j	2023-11-20	656947.7	1144553.4	657.4	Bottom of west bank	--	0	3	Cobbles with sand and gravel
73B	T073-00	Area 4	1j	2023-11-20	656956.6	1144561.2	655.2	Middle of creek	--	15	3	Cobbles with sand and gravel
73C	T073-00	Area 4	1j	2023-11-20	656970.4	1144562.8	655.9	Bottom of east bank	--	0	0	Cobbles with sand and gravel
74A	T074-00	Area 4	1j	2023-11-20	656968.9	1144457.8	651.1	Bottom of west bank	--	3	0	Cobbles with sand and gravel
74B	T074-00	Area 4	1j	2023-11-20	656979.9	1144460.2	647.9	Middle of creek	--	3	0	Cobbles with sand and gravel
74C	T074-00	Area 4	1j	2023-11-21	656992.8	1144462.5	657.1	Bottom of east bank	--	0	0	Cobbles with sand and gravel
75A	T075-00	Area 4	1k	2023-11-20	656986.6	1144366.4	654.4	Bottom of west bank	--	0	0	Bedrock
75B	T075-00	Area 4	1k	2023-11-20	656995.4	1144366.9	654.5	Middle of creek	--	3	0	Bedrock
75C	T075-00	Area 4	1k	2023-11-20	657007.1	1144365.1	653.1	Bottom of east bank	--	0	0	Bedrock
75D	T075-00	Area 4	1k	2023-11-20	657023.3	1144378.7	652.3	Top of east bank	--	--	--	--
76A	T076-00	Area 4	1k	2023-11-20	657002.2	1144267.1	647.8	Bottom of west bank	--	0	2	Cobbles with sand and gravel
76B	T076-00	Area 4	1k	2023-11-20	657016.3	1144266.8	655.9	Middle of creek	--	7	0	Cobbles with sand and gravel
76C	T076-00	Area 4	1k	2023-11-20	657023.9	1144265.5	652.5	Bottom of east bank	--	0	0	Cobbles with sand and gravel
76D	T076-00	Area 4	1k	2023-11-21	657039.2	1144262.7	659.2	Top of east bank	--	--	--	--
76E	T076-00	Area 4	1k	2023-11-20	657005.9	1144250.6	651.2	Sediment deposit	T076-01	--	12	Fines, bank deposit
77A	T077-00	Area 4	1k	2023-11-20	657020.8	1144162.8	654.5	Bottom of west bank	--	0	1	Cobbles with sand and gravel
77B	T077-00	Area 4	1k	2023-11-20	657030.0	1144166.2	651.2	Middle of creek	--	9	0	Cobbles with sand and gravel
77C	T077-00	Area 4	1k	2023-11-20	657038.4	1144166.9	651.7	Bottom of east bank	--	0	0	Cobbles with sand and gravel
78A	T078-00	Area 4	1k	2023-11-20	657031.8	1144072.5	648.6	Bottom of west bank	--	0	0	Cobbles with sand and gravel
78B	T078-00	Area 4	1k	2023-11-20	657038.0	1144074.2	649.6	Middle of creek	--	8	0	Cobbles with sand and gravel
79A	T079-00	Area 4	1k	2023-11-20	657042.1	1143965.9	652.5	Bottom of west bank	--	0	0	Cobbles with sand and gravel
79B	T079-00	Area 4	1k	2023-11-20	657054.0	1143966.4	653.3	Middle of creek	--	3	0	Cobbles with sand and gravel
79C	T079-00	Area 4	1k	2023-11-20	657060.2	1143966.3	653.1	Bottom of east bank	--	0	0	Cobbles with sand and gravel
80A	T080-00	Area 4	1k	2023-11-20	657055.4	1143869.8	647.1	Bottom of west bank	--	0	0	Cobbles with sand and gravel
80B	T080-00	Area 4	1k	2023-11-20	657065.1	1143869.1	646.3	Middle of creek	--	7	1	Cobbles with sand and gravel
80C ◊	T080-00	Area 4	1k	2023-11-20	657075.6	1143870.0	648.1	Bottom of east bank	--	0	7	Cobbles with sand and gravel
81A	T081-00	Area 4	1k	2023-11-20	657074.7	1143765.5	655.7	Bottom of west bank	--	0	0	Cobbles with sand and gravel
81B	T081-00	Area 4	1k	2023-11-20	657085.0	1143771.6	654.1	Middle of creek	--	10	0	Cobbles with sand and gravel
81C	T081-00	Area 4	1k	2023-11-20	657098.4	1143774.2	657.7	Bottom of east bank	--	0	3	Cobbles with sand and gravel
82A	T082-00	Area 4	1l	2023-11-21	657094.5	1143673.6	650.3	Bottom of west bank	--	0	0	Cobbles with sand and gravel
82B	T082-00	Area 4	1l	2023-11-20	657102.2	1143673.8	648.3	Middle of creek	--	20	2	Cobbles with sand and gravel, sheen observed
82C	T082-00	Area 4	1l	2023-11-20	657112.3	1143673.8	649.1	Bottom of east bank	--	5	0	Cobbles with sand and gravel
82D	T082-00	Area 4	1l	2023-11-21	657124.2	1143682.9	656.6	Top of east bank	--	--	--	--
83A	T083-00	Area 4	1l	2023-11-20	657109.9	1143573.7	648.9	Bottom of west bank	--	0	0	Cobbles with sand and gravel
83B	T083-00	Area 4	1l	2023-11-20	657118.6	1143575.4	644.5	Middle of creek	--	26	1	Cobbles with sand and gravel
83C	T083-00	Area 4	1l	2023-11-20	657130.0	1143578.8	648.1	Bottom of east bank	--	4	0	Cobbles with sand and gravel
83D*	T083-00	Area 4	1l	2023-11-20	657140.6	1143575.7	--	Top of east bank	--	--	--	--
84A	T084-00	Area 4	1l	2023-11-21	657114.6	1143474.5	658.8	Top of west bank	--	--	--	Railroad embankment
84B	T084-00	Area 4	1l	2023-11-21	657126.2	1143476.5	649.1	Bottom of west bank	--	0	0	Cobbles with sand
84C	T084-00	Area 4	1l	2023-11-21	657138.0	1143479.5	647.5	Middle of creek	--	13	2	Cobbles with sand
84D	T084-00	Area 4	1l	2023-11-21	657147.1	1143480.4	648.7	Bottom of east bank	--	11	0	Cobbles with sand

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85A	T085-00	Area 4	1l	2023-11-21	657128.6	1143378.3	658.1	Top of west bank	--	--	--	--
85B	T085-00	Area 4	1l	2023-11-21	657148.2	1143378.6	647.2	Bottom of west bank	--	10	0	Cobbles with sand
85C	T085-00	Area 4	1l	2023-11-21	657156.6	1143378.6	647.2	Middle of creek	--	21	0	Cobbles with sand
85D	T085-00	Area 4	1l	2023-11-21	657164.4	1143377.4	648.4	Bottom of east bank	--	3	0	Cobbles with sand
85E	T085-00	Area 4	1l	2023-11-21	657178.0	1143373.4	651.5	Top of east bank, sloped concrete on entire bank	--	--	--	--
86A	T086-00	Area 4	1l	2023-11-21	657149.0	1143279.3	657.6	Top of west bank	--	--	--	Railroad embankment
86B	T086-00	Area 4	1l	2023-11-21	657168.4	1143288.6	645.4	Bottom of west bank	--	3	1	Cobbles with sand
86C	T086-00	Area 4	1l	2023-11-21	657177.9	1143290.9	646.8	Middle of creek	--	13	1	Cobbles with sand
86D	T086-00	Area 4	1l	2023-11-21	657185.6	1143293.5	645.4	Bottom of east bank, sloped concrete on entire bank	--	7	--	Cobbles with sand
87A	T087-00	Area 4	1l	2023-11-21	657168.1	1143180.8	656.9	Top of west bank	--	--	--	--
87B	T087-00	Area 4	1l	2023-11-21	657192.2	1143172.3	646.4	Bottom of west bank	--	22	3	Cobbles with sand
87C	T087-00	Area 4	1l	2023-11-21	657200.9	1143174.5	645.0	Middle of creek	--	23	1	Cobbles with sand
87D	T087-00	Area 4	1l	2023-11-21	657207.7	1143174.0	646.5	Top of east bank, sloped concrete on entire bank	--	--	--	--
87E ◊	T087-00	Area 4	1l	2023-11-21	657211.0	1143126.8	643.7	Sediment observed (less than 50 square feet)	--	--	9	--
88A	T088-00	Area 4	1l	2023-11-21	657187.1	1143082.2	656.5	Top of west bank	--	--	--	Railroad embankment
88B	T088-00	Area 4	1l	2023-11-21	657203.8	1143087.0	646.1	Bottom of west bank	--	12	2	Cobbles with sand
88C	T088-00	Area 4	1l	2023-11-21	657212.4	1143087.0	644.6	Middle of creek	--	22	2	Cobbles with sand
88D	T088-00	Area 4	1l	2023-11-21	657220.0	1143087.5	644.6	Bottom of east bank, sloped concrete on entire bank	--	33	0	Cobbles with sand
89A	T089-00	Area 4	1l	2023-11-21	657206.5	1142986.7	655.7	Top of west bank	--	--	--	Railroad embankment
89B	T089-00	Area 4	1l	2023-11-21	657221.3	1142992.8	646.5	Bottom of west bank	--	0	0	Cobbles with sand
89C	T089-00	Area 4	1l	2023-11-21	657227.7	1142992.4	644.7	Middle of creek	--	22	0	Cobbles with sand
89D	T089-00	Area 4	1l	2023-11-21	657234.1	1142993.9	645.4	Bottom of east bank, sloped concrete on entire bank	--	21	0	Cobbles with sand
90A	T090-00	Area 4	1m	2023-11-21	657226.1	1142885.8	655.5	Top of west bank	--	--	--	Railroad embankment
90B	T090-00	Area 4	1m	2023-11-21	657242.1	1142889.0	646.4	Bottom of west bank	--	7	0	Cobbles with sand
90C	T090-00	Area 4	1m	2023-11-21	657250.0	1142889.9	647.6	Middle of creek	--	31	0	Cobbles with sand
90D	T090-00	Area 4	1m	2023-11-21	657254.5	1142891.5	644.4	Bottom of east bank, sloped concrete on entire bank	--	24	0	Cobbles with sand
91A	T091-00	Area 4	1m	2023-11-21	657244.7	1142786.3	654.9	Top of west bank	--	--	--	Railroad embankment
91B	T091-00	Area 4	1m	2023-11-21	657272.4	1142794.1	643.7	Middle of creek	--	33	1	Cobbles with sand
91C	T091-00	Area 4	1m	2023-11-21	657279.3	1142795.6	644.4	Bottom of east bank, sloped concrete on entire bank	--	24	0	Cobbles with sand
92A	T092-00	Area 4	1m	2023-11-21	657266.0	1142685.2	654.2	Top of west bank	--	--	--	Railroad embankment
92B	T092-00	Area 4	1m	2023-11-21	657280.2	1142698.4	645.8	Bottom of west bank	--	5	0	Cobbles with sand
92C	T092-00	Area 4	1m	2023-11-21	657291.0	1142698.4	644.6	Middle of creek	--	18	1	Cobbles with sand
92D	T092-00	Area 4	1m	2023-11-21	657299.9	1142701.3	646.4	Bottom of east bank, sloped concrete on entire bank	--	0	0	Cobbles with sand
93A	T093-00	Area 4	1m	2023-11-20	657288.3	1142590.5	653.3	Top of west bank	--	--	--	Railroad embankment
93B	T093-00	Area 4	1m	2023-11-20	657300.0	1142594.0	646.1	Bottom of west bank	--	0	0	Cobbles with sand
93C	T093-00	Area 4	1m	2023-11-20	657311.8	1142595.4	644.0	Middle of creek	--	22	1	Cobbles with sand
94A	T094-00	Area 4	1m	2023-11-20	657307.3	1142492.3	650.8	Top of west bank	--	--	--	Railroad embankment
94B	T094-00	Area 4	1m	2023-11-20	657326.4	1142500.1	646.2	Bottom of west bank	--	0	0	Cobbles with sand
94C	T094-00	Area 4	1m	2023-11-20	657337.8	1142496.3	645.6	Middle of creek	--	4	0	Cobbles with sand
94D	T094-00	Area 4	1m	2023-11-20	657348.6	1142503.5	650.2	Bottom of east bank	--	0	0	Cobbles with sand
94E ◊	T094-00	Area 4	1m	2023-11-20	657339.9	1142465.3	644.0	Sediment observed (less than 50 square feet)	--	--	6	Sand and gravel, channel deposit, sheen observed
95A	T095-00	Area 4	1m	2023-11-20	657321.0	1142397.5	654.2	Top of west bank	--	--	--	Railroad embankment
95B	T095-00	Area 4	1m	2023-11-20	657342.1	1142397.7	643.9	Bottom of west bank	--	0	0	Cobbles with sand
95C	T095-00	Area 4	1m	2023-11-20	657351.9	1142400.5	643.3	Middle of creek	--	4	1	Cobbles with sand
95D	T095-00	Area 4	1m	2023-11-20	657364.7	1142402.7	644.3	Bottom of east bank	--	0	0	Cobbles with sand
96A	T096-00	Area 4	1m	2023-11-20	657342.5	1142304.7	647.6	Top of west bank	--	--	--	Railroad embankment
96B	T096-00	Area 4	1m	2023-11-20	657364.9	1142307.3	644.5	Bottom of west bank	--	0	0	Cobbles with sand
96C	T096-00	Area 4	1m	2023-11-20	657372.5	1142303.5	644.3	Middle of creek	--	11	0	Cobbles with sand
96D	T096-00	Area 4	1m	2023-11-20	657380.8	1142308.1	645.1	Bottom of east bank	--	0	0	Cobbles with sand

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
97A	T097-00	Area 4	1n	2023-11-20	657354.0	1142195.1	653.0	Top of west bank	--	--	--	Railroad embankment
97B	T097-00	Area 4	1n	2023-11-20	657368.9	1142194.0	644.4	Bottom of west bank	--	0	0	Cobbles with sand
97C	T097-00	Area 4	1n	2023-11-20	657378.0	1142194.6	642.4	Middle of creek	--	16	2	Cobbles with sand
97D	T097-00	Area 4	1n	2023-11-20	657392.1	1142197.3	643.5	Bottom of east bank	--	--	0	Cobbles with sand
98A	T098-00	Area 4	1n	2023-11-20	657359.2	1142106.5	652.1	Top of west bank	--	--	--	Railroad embankment
98B	T098-00	Area 4	1n	2023-11-20	657372.2	1142100.8	644.1	Bottom of west bank	--	0	0	Cobbles with sand
98C	T098-00	Area 4	1n	2023-11-20	657386.3	1142101.3	641.2	Middle of creek	--	6	2	Cobbles with sand
98D	T098-00	Area 4	1n	2023-11-20	657399.2	1142103.9	642.7	Bottom of east bank	--	0	0	Cobbles with sand
99A	T099-00	Area 4	1n	2023-11-20	657382.9	1142016.9	634.4	Bottom of west bank	--	0	0	Cobbles with sand
99B	T099-00	Area 4	1n	2023-11-20	657394.8	1142018.7	635.9	Middle of creek	--	9	0	Cobbles with sand
99C	T099-00	Area 4	1n	2023-11-20	657417.1	1142020.2	646.9	Bottom of east bank	--	0	0	Cobbles with sand
99D	T099-00	Area 4	1n	2023-11-20	657433.5	1142019.1	656.5	Top of east bank	--	--	--	--
100A	T100-00	Area 4	1n	2023-11-20	657394.2	1141912.4	644.4	Top of west bank	--	--	--	--
100B	T100-00	Area 4	1n	2023-11-20	657400.1	1141906.6	644.0	Bottom of west bank	--	0	0	Cobbles with sand
100C	T100-00	Area 4	1n	2023-11-20	657416.2	1141907.4	642.9	Middle of creek	--	6	0	Cobbles with sand
100D	T100-00	Area 4	1n	2023-11-20	657433.5	1141908.7	644.6	Bottom of east bank	--	0	0	Cobbles with sand
100E	T100-00	Area 4	1n	2023-11-20	657446.4	1141923.1	651.2	Top of east bank	--	--	--	--
101A	T101-00	Area 4	1n	2023-11-10	657431.3	1141805.0	648.1	Bottom of west bank	--	0	0	Cobbles with sand
101B	T101-00	Area 4	1n	2023-11-10	657437.3	1141809.0	644.3	Middle of creek	--	7	0	Cobbles with sand , sheen observed
101C	T101-00	Area 4	1n	2023-11-10	657446.0	1141811.5	646.0	Bottom of east bank	--	0	0	Cobbles with sand
101D	T101-00	Area 4	1n	2023-11-10	657461.1	1141820.1	649.4	Top of east bank	--	--	--	--
101E	T101-00	Area 4	1n	2023-11-10	657490.6	1141744.9	642.4	Sediment deposit	T101-01	--	15	Sand with gravel, bank deposit
101F	T101-00	Area 4	1n	2023-11-10	657497.6	1141736.4	641.1	Sediment deposit	T101-01	--	10	Sand with gravel, bank deposit
101G	T101-00	Area 4	1n	2023-11-10	657507.4	1141723.3	640.4	Sediment deposit	T101-01	--	5	Sand with gravel, bank deposit
102A	T102-00	Area 4	1n	2023-11-10	657495.1	1141735.2	643.2	Bottom of west bank	T101-01	0	6	Sand with gravel
102B	T102-00	Area 4	1n	2023-11-10	657507.0	1141742.9	639.0	Middle of creek	--	22	4	Sand with gravel
102C	T102-00	Area 4	1n	2023-11-10	657515.0	1141748.2	641.2	Bottom of east bank	--	22	4	Sand with gravel
102D	T102-00	Area 4	1n	2023-11-10	657529.6	1141752.6	645.4	Top of east bank	--	--	--	Railroad embankment
103A	T103-00	Area 4	1n	2023-11-20	657525.2	1141643.6	639.2	Bottom of west bank	--	10	0	--
103B	T103-00	Area 4	1n	2023-11-20	657536.9	1141643.6	637.9	Middle of creek	--	28	0	--
103C	T103-00	Area 4	1n	2023-11-20	657547.8	1141643.1	640.9	Bottom of east bank	--	--	0	--
103D	T103-00	Area 4	1n	2023-11-20	657559.3	1141648.8	651.3	Top of east bank	--	--	--	Railroad embankment
104A	T104-00	Area 4	1o	2023-11-20	657533.4	1141543.3	640.5	Bottom of west bank	--	--	0	--
104B	T104-00	Area 4	1o	2023-11-20	657541.3	1141547.2	638.3	Middle of creek	--	25	0	--
104C	T104-00	Area 4	1o	2023-11-20	657551.7	1141543.7	640.3	Bottom of east bank	--	2	0	--
104D	T104-00	Area 4	1o	2023-11-20	657568.0	1141550.3	651.1	Top of east bank	--	--	--	Railroad embankment
105A	T105-00	Area 4	1o	2023-11-20	657536.3	1141444.9	639.0	Bottom of west bank	--	7	0	Cobbles and sand
105B	T105-00	Area 4	1o	2023-11-20	657548.6	1141449.5	639.8	Middle of creek	--	14	0	Sand and gravel
105C	T105-00	Area 4	1o	2023-11-20	657562.9	1141441.7	640.4	Bottom of east bank	--	--	0	Cobbles and sand
105D	T105-00	Area 4	1o	2023-11-20	657571.4	1141446.0	649.3	Top of east bank	--	--	--	Railroad embankment
106A	T106-00	Area 4	1o	2023-11-10	657542.9	1141353.4	636.9	Bottom of west bank	--	5	0	Sand with gravel and cobbles
106B	T106-00	Area 4	1o	2023-11-10	657549.0	1141348.3	637.1	Middle of creek	--	19	2	Sand with gravel and cobbles , sheen observed
106C	T106-00	Area 4	1o	2023-11-10	657567.4	1141353.5	637.2	Bottom of east bank	--	7	0	Sand with gravel and cobbles
107A ◊	T107-00	Area 4	1o	2023-11-10	657537.6	1141245.4	640.2	Bottom of west bank	--	0	7	Cobbles with sand
107B	T107-00	Area 4	1o	2023-11-10	657556.6	1141249.8	639.1	Middle of creek	--	11	3	Cobbles with sand
107C	T107-00	Area 4	1o	2023-11-10	657573.7	1141251.3	639.8	Bottom of east bank	--	3	4	Cobbles with sand
107D	T107-00	Area 4	1o	2023-11-10	657571.2	1141185.7	641.1	Sediment deposit	T107-01	--	13	Silty sand, bank deposit
107E	T107-00	Area 4	1o	2023-11-10	657565.7	1141145.2	640.1	Sediment deposit	T107-01	--	11	Silty sand, bank deposit
108A	T108-00	Area 4	1o	2023-11-10	657539.6	1141150.8	638.9	Bottom of west bank	--	5	0	Cobbles with sand
108B	T108-00	Area 4	1o	2023-11-10	657553.8	1141153.5	638.6	Middle of creek	--	5	0	Cobbles with sand, sheen observed

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108C	T108-00	Area 4	1o	2023-11-10	657562.0	1141152.6	639.3	Bottom of east bank	--	0	0	Cobbles with sand
109A	T109-00	Area 4	1o	2023-11-10	657543.0	1141046.3	632.8	Bottom of west bank	--	7	0	Sands over hard clay
109B	T109-00	Area 4	1o	2023-11-10	657568.6	1141047.4	639.0	Bottom of east bank	--	0	0	Sands over hard clay
109C	T109-00	Area 4	1o	2023-11-10	657554.2	1141047.2	637.1	Middle of creek	--	12	3	Sands over hard clay, sheen observed
109D	T109-00	Area 4	1o	2023-11-10	657545.5	1140975.0	637.5	Sediment deposit	T109-01	12	7	Fines and clay, bank deposit
110A	T110-00	Area 5A	1o	2023-11-10	657524.2	1140945.8	648.8	Top of west bank	--	--	--	--
110B	T110-00	Area 5A	1o	2023-11-10	657543.7	1140948.4	638.9	Bottom of west bank	--	0	1	Fines over cobbles
110C	T110-00	Area 5A	1o	2023-11-10	657557.1	1140949.0	637.6	Middle of creek	--	27	4	Fines over cobbles , sheen observed
110D	T110-00	Area 5A	1o	2023-11-10	657573.9	1140946.5	640.0	Bottom of east bank	--	8	0	Fines over cobbles , sheen observed
111A	T111-00	Area 5A	1p	2023-11-10	657531.4	1140846.4	650.1	Top of west bank	--	--	--	--
111B	T111-00	Area 5A	1p	2023-11-10	657541.2	1140847.3	646.8	Bottom of west bank	--	--	0	Cobbles
111C	T111-00	Area 5A	1p	2023-11-10	657553.0	1140848.0	643.8	Middle of creek	--	3	0	Cobbles
111D	T111-00	Area 5A	1p	2023-11-10	657568.4	1140847.1	639.7	Bottom of east bank	--	3	0	Cobbles
112A	T112-00	Area 5A	1p	2023-11-10	657555.2	1140747.0	639.0	Bottom of west bank	--	0	0	Cobbles with sand
112B ◊	T112-00	Area 5A	1p	2023-11-10	657565.1	1140745.7	637.1	Middle of creek	--	9	7	Cobbles with sand
112C ◊	T112-00	Area 5A	1p	2023-11-10	657573.7	1140747.4	636.5	Bottom of east bank	--	9	7	Cobbles with sand
113A	T113-00	Area 5A	1p	2023-11-10	657540.9	1140652.3	640.9	Bottom of west bank	--	1	0	Cobbles with sand
113B	T113-00	Area 5A	1p	2023-11-10	657552.8	1140646.9	634.2	Middle of creek	--	9	3	Cobbles with sand
113C	T113-00	Area 5A	1p	2023-11-10	657563.9	1140644.4	637.1	Bottom of east bank	--	9	3	Cobbles with sand
114A	T114-00	Area 5A	1p	2023-11-13	657506.7	1140554.7	645.3	Top of west bank	--	--	--	--
114B	T114-00	Area 5A	1p	2023-11-13	657528.6	1140549.9	639.5	Bottom of west bank	--	0	0	Cobbles with sand and gravel, sheen observed
114C	T114-00	Area 5A	1p	2023-11-13	657542.2	1140547.7	639.6	Middle of creek	--	6	5	Cobbles with sand and gravel, sheen observed
114D	T114-00	Area 5A	1p	2023-11-13	657554.4	1140547.2	638.6	Bottom of east bank	--	0	0	Cobbles with sand and gravel, sheen observed
115A	T115-00	Area 5A	1p	2023-11-13	657492.3	1140467.8	647.1	Top of west bank	--	--	--	--
115B	T115-00	Area 5A	1p	2023-11-13	657503.0	1140463.5	642.3	Bottom of west bank	--	0	0	Cobbles with sand and gravel
115C	T115-00	Area 5A	1p	2023-11-13	657519.8	1140456.3	647.1	Middle of creek	--	7	2	Cobbles with sand and gravel
115D	T115-00	Area 5A	1p	2023-11-13	657533.0	1140454.7	644.5	Bottom of east bank	--	0	0	Cobbles with sand and gravel
116A	T116-00	Area 5A	1p	2023-11-13	657474.6	1140366.3	642.9	Top of west bank	--	--	--	--
116B	T116-00	Area 5A	1p	2023-11-13	657486.1	1140356.2	637.5	Bottom of west bank	--	4	0	Cobbles with sand
116C	T116-00	Area 5A	1p	2023-11-13	657496.2	1140353.9	640.1	Middle of creek	--	14	0	Cobbles with sand
116D	T116-00	Area 5A	1p	2023-11-13	657507.7	1140352.7	640.1	Bottom of east bank	--	4	0	Cobbles with sand
116E	T116-00	Area 5A	1p	2023-11-13	657531.4	1140352.2	643.6	Top of east bank	--	--	--	--
117A	T117-00	Area 5A	1p	2023-11-13	657469.1	1140254.7	635.2	Bottom of west bank	--	0	0	Cobbles with sand
117B	T117-00	Area 5A	1p	2023-11-13	657479.4	1140256.0	631.7	Middle of creek	--	27	4	Cobbles with sand , sheen observed
117C	T117-00	Area 5A	1p	2023-11-13	657495.7	1140255.2	634.0	Bottom of east bank	--	16	3	Cobbles with sand , sheen observed
117D	T117-00	Area 5A	1p	2023-11-13	657517.1	1140249.9	641.8	Top of east bank	--	--	--	--
118A	T118-00	Area 5A	1q	2023-11-13	657452.3	1140149.7	646.6	Top of west bank	--	--	--	--
118B	T118-00	Area 5A	1q	2023-11-13	657465.2	1140155.1	639.0	Bottom of west bank	--	0	0	Cobbles with sand , sheen observed
118C	T118-00	Area 5A	1q	2023-11-13	657477.3	1140156.7	639.0	Middle of creek	--	18	4	Cobbles with sand , sheen observed
118D	T118-00	Area 5A	1q	2023-11-13	657489.9	1140151.7	634.7	Bottom of east bank	--	8	0	Cobbles with sand , sheen observed
118E	T118-00	Area 5A	1q	2023-11-13	657503.8	1140148.1	643.1	Top of east bank	--	--	--	--
119A	T119-00	Area 5A	1q	2023-11-13	657449.7	1140051.0	636.0	Bottom of west bank	--	0	0	Cobbles with sand
119B	T119-00	Area 5A	1q	2023-11-13	657467.3	1140056.4	635.5	Middle of creek	--	7	3	Cobbles with sand
119C	T119-00	Area 5A	1q	2023-11-13	657487.0	1140048.2	635.9	Bottom of east bank	--	1	0	Cobbles with sand
119D	T119-00	Area 5A	1q	2023-11-13	657450.5	1139970.1	635.2	Sediment deposit	T119-01	--	7	Sand over fines, bank deposit
119E	T119-00	Area 5A	1q	2023-11-13	657450.5	1139947.6	634.8	Sediment deposit	T119-01	--	6	Sand over fines, bank deposit
120A	T120-00	Area 5A	1q	2023-11-13	657448.8	1139957.5	630.9	Bottom of west bank	--	6	3	Cobbles with sand and gravel
120B	T120-00	Area 5A	1q	2023-11-13	657460.3	1139956.9	630.2	Middle of creek	--	6	3	Cobbles with sand and gravel
120C*	T120-00	Area 5A	1q	2023-11-13	657473.7	1139959.9	--	Bottom of east bank	--	0	0	Cobbles with sand and gravel

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121A	T121-00	Area 5A	1q	2023-11-13	657435.9	1139859.1	631.6	Bottom of west bank	--	0	0	Cobbles with sand
121B	T121-00	Area 5A	1q	2023-11-13	657446.3	1139856.0	633.1	Middle of creek	--	11	2	Cobbles with sand
121C	T121-00	Area 5A	1q	2023-11-13	657460.5	1139861.1	634.0	Bottom of east bank	--	0	0	Cobbles with sand
121D	T121-00	Area 5A	1q	2023-11-13	657478.4	1139861.3	639.6	Top of east bank	--	--	--	--
122A	T122-00	Area 5A	1q	2023-11-13	657432.6	1139759.4	635.3	Bottom of west bank	--	3	0	Cobbles with sand
122B	T122-00	Area 5A	1q	2023-11-13	657448.2	1139760.8	632.8	Middle of creek	--	3	4	Cobbles with sand
122C	T122-00	Area 5A	1q	2023-11-13	657458.0	1139759.2	636.2	Bottom of east bank	--	3	0	Cobbles with sand
122D	T122-00	Area 5A	1q	2023-11-13	657470.7	1139754.4	641.3	Top of east bank	--	--	--	--
123A	T123-00	Area 5A	1q	2023-11-13	657427.7	1139660.8	633.7	Bottom of west bank	--	0	0	Cobbles with sand
123B	T123-00	Area 5A	1q	2023-11-13	657438.7	1139658.3	632.8	Middle of creek	--	18	3	Cobbles with sand
123C	T123-00	Area 5A	1q	2023-11-13	657453.7	1139657.4	633.1	Bottom of east bank	--	0	0	Cobbles with sand
123D	T123-00	Area 5A	1q	2023-11-13	657419.0	1139581.8	637.8	Sediment deposit	T123-01	--	4	Sand with gravel and cobbles, bank deposit
123E	T123-00	Area 5A	1q	2023-11-13	657422.3	1139568.8	635.8	Sediment deposit	T123-01	--	5	Sand with gravel and cobbles, bank deposit
123F	T123-00	Area 5A	1q	2023-11-13	657414.7	1139556.4	636.5	Sediment deposit	T123-01	--	4	Sand with gravel and cobbles, bank deposit
123G	T123-00	Area 5A	1q	2023-11-13	657415.4	1139543.2	629.6	Sediment deposit	T123-01	--	5	Sand with gravel and cobbles, bank deposit
124A	T124-00	Area 5A	1q	2023-11-13	657408.8	1139564.5	638.3	Bottom of west bank	--	0	2	Cobbles with sand
124B	T124-00	Area 5A	1q	2023-11-13	657424.7	1139560.2	634.3	Middle of creek	--	1	2	Cobbles with sand
124C	T124-00	Area 5A	1q	2023-11-13	657436.0	1139559.1	640.8	Bottom of east bank	--	0	2	Cobbles with sand
124D	T124-00	Area 5A	1q	2023-11-13	657452.2	1139554.9	642.4	Top of east bank	--	--	--	--
125A	T125-00	Area 5A	1r	2023-11-13	657400.7	1139460.3	631.6	Bottom of west bank	--	4	4	Sand and gravel with cobbles
125B	T125-00	Area 5A	1r	2023-11-13	657416.0	1139460.5	630.3	Middle of creek	--	13	2	Sand and gravel with cobbles
125C ◊	T125-00	Area 5A	1r	2023-11-13	657429.6	1139456.2	633.5	Sediment observed (less than 50 square feet)	--	4	8	Sand and gravel with cobbles
125D	T125-00	Area 5A	1r	2023-11-13	657431.8	1139456.4	640.3	Top of east bank	--	--	--	--
125E	T125-00	Area 5A	1r	2023-11-13	657395.6	1139422.7	631.6	Sediment deposit	T125-01	--	12	Fines with cobbles and sand
125F	T125-00	Area 5A	1r	2023-11-13	657400.7	1139393.9	634.8	Sediment deposit	T125-01	--	4	Fines with cobbles and sand
126A	T126-00	Area 5A	1r	2023-11-13	657377.6	1139369.3	638.8	Top of west bank	--	--	--	--
126B	T126-00	Area 5A	1r	2023-11-13	657393.6	1139360.2	634.8	Bottom of west bank	--	0	0	Sand with cobbles and gravel
126C	T126-00	Area 5A	1r	2023-11-13	657405.4	1139358.1	636.4	Middle of creek	--	14	3	Sand with cobbles and gravel
126D	T126-00	Area 5A	1r	2023-11-13	657417.2	1139366.6	633.1	Bottom of east bank	--	11	0	Sand with cobbles and gravel
126E*	T126-00	Area 5A	1r	2023-11-13	657398.3	1139318.5	--	Sediment observed (less than 50 square feet)	--	--	5	Sand, cobbles and gravel, no definitive deposit, small pockets between T126 and T127
127A	T127-00	Area 5A	1r	2023-11-13	657374.8	1139262.3	632.9	Bottom of west bank	--	0	0	Sand with gravel and cobbles
127B ◊	T127-00	Area 5A	1r	2023-11-13	657392.4	1139262.1	634.9	Middle of creek	--	8	9	Sand with gravel and cobbles
127C	T127-00	Area 5A	1r	2023-11-13	657407.0	1139257.9	640.2	Bottom of east bank	--	0	0	Sand with gravel and cobbles
127D	T127-00	Area 5A	1r	2023-11-13	657372.6	1139203.1	634.2	Sediment deposit	T127-01	--	10	Sand with fines, bank deposit
127E	T127-00	Area 5A	1r	2023-11-13	657368.4	1139189.1	634.2	Sediment deposit	T127-01	--	16	Sand with fines, bank deposit
128A ◊	T128-00	Area 5A	1r	2023-11-13	657366.1	1139166.4	642.4	Bottom of west bank	--	0	11	Sand with gravel and cobbles
128B ◊	T128-00	Area 5A	1r	2023-11-13	657386.1	1139160.0	638.3	Middle of creek	--	9	9	Sand with gravel and cobbles
128C	T128-00	Area 5A	1r	2023-11-13	657394.4	1139165.4	641.9	Bottom of east bank	--	0	2	Sand with gravel and cobbles
128D	T128-00	Area 5A	1r	2023-11-13	657411.5	1139166.4	640.4	Top of east bank	--	--	--	--
129A	T129-00	Area 5A	1r	2023-11-13	657363.6	1139065.5	634.4	Bottom of west bank	--	3	0	Sand with cobbles and gravel
129B	T129-00	Area 5A	1r	2023-11-13	657377.5	1139062.3	636.9	Middle of creek	--	6	5	Sand with cobbles and gravel
129C	T129-00	Area 5A	1r	2023-11-13	657390.8	1139064.9	635.5	Bottom of east bank	--	0	0	Sand with cobbles and gravel
129D	T129-00	Area 5A	1r	2023-11-13	657401.6	1139063.1	641.4	Top of east bank	--	--	--	--
130A	T130-00	Area 5A	1r	2023-11-13	657350.3	1138960.1	638.2	Bottom of west bank	--	0	2	Sand with cobbles and gravel
130B	T130-00	Area 5A	1r	2023-11-13	657367.3	1138956.5	642.3	Middle of creek	--	7	4	Sand with cobbles and gravel
130C	T130-00	Area 5A	1r	2023-11-13	657377.2	1138955.8	635.7	Bottom of east bank	--	0	2	Sand with cobbles and gravel
130D	T130-00	Area 5A	1r	2023-11-13	657391.7	1138960.4	636.7	Top of east bank	--	--	--	--
131A	T131-00	Area 5A	1r	2023-11-13	657340.5	1138861.6	628.3	Bottom of west bank	--	0	2	Sand with cobbles and gravel
131B	T131-00	Area 5A	1r	2023-11-13	657355.3	1138858.9	628.0	Middle of creek	--	6	5	Sand with cobbles and gravel
131C	T131-00	Area 5A	1r	2023-11-13	657369.6	1138859.4	626.5	Bottom of east bank	--	0	0	Sand with cobbles and gravel

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
132A	T132-00	Area 5A	1s	2023-11-13	657330.7	1138771.5	629.4	Bottom of west bank	--	3	2	Clay
132B* ◊	T132-00	Area 5A	1s	2023-11-13	657345.6	1138770.5	--	Middle of creek	--	6	6	Sand with cobbles and gravel
132C ◊	T132-00	Area 5A	1s	2023-11-13	657361.3	1138767.9	629.9	Bottom of east bank	--	6	6	Sand with cobbles and gravel
133A	T133-00	Area 5A	1s	2023-11-13	657326.8	1138662.9	631.6	Bottom of west bank	--	0	2	Sand with gravel and clay
133B ◊	T133-00	Area 5A	1s	2023-11-13	657340.4	1138664.5	626.1	Middle of creek	--	6	6	Sand with gravel and clay
133C	T133-00	Area 5A	1s	2023-11-13	657355.9	1138655.1	636.7	Bottom of east bank	--	0	0	Sand with gravel and clay
133D	T133-00	Area 5A	1s	2023-11-13	657359.5	1138653.0	637.0	Top of east bank	--	--	--	--
133E	T133-00	Area 5A	1s	2023-11-13	657330.5	1138648.7	631.9	Sediment deposit	T133-01	--	7	Sands with fines, bank deposit
134A ◊	T134-00	Area 5A	1s	2023-11-13	657311.1	1138566.1	635.4	Bottom of west bank	--	3	6	Clay
134B ◊	T134-00	Area 5A	1s	2023-11-13	657330.6	1138566.7	632.4	Middle of creek	--	12	11	Sands with gravel over clay
134C	T134-00	Area 5A	1s	2023-11-13	657345.0	1138563.2	633.3	Bottom of east bank	--	0	0	Clay
134D	T134-00	Area 5A	1s	2023-11-13	657351.0	1138560.2	636.4	Top of east bank	--	--	--	--
134E	T134-00	Area 5A	1s	2023-11-13	657342.3	1138535.1	633.5	Sediment deposit	T134-01	--	12	Fines, bank deposit
134F	T134-00	Area 5A	1s	2023-11-13	657341.1	1138529.9	634.5	Sediment deposit	T134-01	--	15	Fines, bank deposit
135A	T135-00	Area 5A	1s	2023-11-13	657289.5	1138469.5	636.2	Top of west bank	--	--	--	--
135B	T135-00	Area 5A	1s	2023-11-13	657306.1	1138466.0	630.8	Bottom of west bank	--	1	4	Sand with gravel
135C	T135-00	Area 5A	1s	2023-11-13	657319.0	1138464.4	630.4	Middle of creek	--	5	3	Sand with gravel
135D	T135-00	Area 5A	1s	2023-11-13	657333.5	1138462.0	631.7	Bottom of east bank	--	4	2	Sand with gravel
136A	T136-00	Area 5A	1s	2023-11-21	657339.2	1138359.2	627.8	Middle of creek	--	36	0	Cobbles with sand and gravel
136B	T136-00	Area 5A	1s	2023-11-21	657350.0	1138363.9	631.3	Bottom of east bank	--	1	1	Cobbles with sand and gravel
136C	T136-00	Area 5A	1s	2023-11-21	657353.4	1138371.1	633.0	Top of east bank	--	--	--	--
136D	T136-00	Area 5A	1s	2023-11-21	657361.7	1138369.6	632.5	Sediment deposit	T136-01	--	24	Sand, aggrading bar
136E	T136-00	Area 5A	1s	2023-11-21	657364.0	1138364.9	629.6	Sediment deposit	T136-01	12	24	Sand, aggrading bar, sheen observed
137A	T137-00	Area 5A	1s	2023-11-21	657403.7	1138293.7	636.6	Top of west bank	--	--	--	Riprap on slope, between railroad and South Noble Street bridges
137B	T137-00	Area 5A	1s	2023-11-21	657405.0	1138307.5	631.4	Bottom of west bank	--	0	0	Cobbles with sand and gravel
137C	T137-00	Area 5A	1s	2023-11-21	657408.0	1138332.8	631.3	Middle of creek	--	10	0	Cobbles with sand and gravel
137D	T137-00	Area 5A	1s	2023-11-21	657411.2	1138359.1	631.6	Bottom of east bank	--	0	1	Cobbles with sand and gravel
137E	T137-00	Area 5A	1s	2023-11-21	657412.3	1138367.8	634.4	Top of east bank	--	--	--	Riprap on slope, between railroad and South Noble Street bridges
137F	T137-00	Area 5A	1s	2023-11-21	657398.6	1138348.4	632.2	Sediment deposit	T137-02	--	0	Sand
137G	T137-00	Area 5A	1s	2023-11-21	657403.3	1138346.4	631.2	Sediment deposit	T137-02	2	6	Sand
137H	T137-00	Area 5A	1s	2023-11-21	657396.9	1138327.7	631.9	Sediment deposit	T137-01	4	12	Sand, aggrading bar
138A	T138-00	Area 5A	1s	2023-11-15	657474.6	1138261.4	635.4	Top of west bank	--	--	--	--
138B	T138-00	Area 5A	1s	2023-11-15	657487.0	1138281.4	628.2	Bottom of west bank	--	0	4	Cobbles with sand and gravel
138C	T138-00	Area 5A	1s	2023-11-15	657494.3	1138293.9	628.5	Middle of creek	--	1	0	Cobbles with sand and gravel
138D	T138-00	Area 5A	1s	2023-11-15	657503.4	1138304.6	628.6	Bottom of east bank	--	0	0	Cobbles with sand and gravel
138E	T138-00	Area 5A	1s	2023-11-15	657508.7	1138321.4	638.0	Top of east bank	--	--	--	--
139A	T139-00	Area 5A	1s	2023-11-15	657532.4	1138201.9	628.7	Bottom of west bank	--	15	0	Cobbles with sand and gravel
139B	T139-00	Area 5A	1s	2023-11-15	657548.4	1138203.7	625.1	Middle of creek	--	30	1	Cobbles with sand and gravel
139C*	T139-00	Area 5A	1s	2023-11-15	657551.9	1138207.9	--	Bottom of east bank	--	4	0	Cobbles with sand and gravel
139D	T139-00	Area 5A	1s	2023-11-15	657568.2	1138211.0	638.4	Top of east bank	--	--	--	--
139E	T139-00	Area 5A	1s	2023-11-15	657555.6	1138157.3	628.0	Sediment deposit	T139-01	2	7	Cobbles with sand and gravel, channel deposit
139F	T139-00	Area 5A	1s	2023-11-15	657574.6	1138123.5	628.3	Sediment deposit	T139-01	--	0	Cobbles with sand and gravel, channel deposit
139G	T139-00	Area 5A	1s	2023-11-15	657565.5	1138115.7	627.0	Sediment deposit	T139-01	--	9	Cobbles with sand and gravel, channel deposit
140A	T140-00	Area 5A	1s	2023-11-15	657564.5	1138107.6	624.5	Bottom of west bank	--	30	0	Cobbles with sand and gravel
140B	T140-00	Area 5A	1s	2023-11-15	657577.6	1138113.7	628.0	Middle of creek	T139-01	0	24	Cobbles with sand and gravel
140C	T140-00	Area 5A	1s	2023-11-15	657586.7	1138118.0	626.6	Bottom of east bank	--	2	0	Cobbles with sand and gravel
140D	T140-00	Area 5A	1s	2023-11-15	657602.7	1138128.6	634.2	Top of east bank	--	--	--	--
141A	T141-00	Area 5A	1t	2023-11-15	657608.6	1138018.6	626.2	Bottom of west bank	--	4	0	Cobbles with sand and gravel
141B ◊	T141-00	Area 5A	1t	2023-11-15	657616.1	1138024.2	625.0	Middle of creek	--	17	6	Cobbles with sand and gravel
141C	T141-00	Area 5A	1t	2023-11-15	657627.1	1138026.8	626.1	Bottom of east bank	--	0	5	Cobbles with sand and gravel

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141D	T141-00	Area 5A	1t	2023-11-15	657642.0	1138034.2	633.2	Top of east bank	--	--	--	--
142A	T142-00	Area 5A	1t	2023-11-15	657640.5	1137924.6	624.9	Bottom of west bank	--	16	4	Clay with sand and gravel
142B	T142-00	Area 5A	1t	2023-11-15	657660.6	1137924.1	624.4	Middle of creek	--	31	4	Sand and gravel
142C*	T142-00	Area 5A	1t	2023-11-15	657672.7	1137926.6	--	Bottom of east bank	--	4	2	Sand and gravel
142D	T142-00	Area 5A	1t	2023-11-15	657692.4	1137948.4	637.8	Top of east bank	--	--	--	--
143A	T143-00	Area 5A	1t	2023-11-15	657661.4	1137828.4	634.5	Top of west bank	--	--	--	--
143B	T143-00	Area 5A	1t	2023-11-15	657679.3	1137830.7	625.9	Bottom of west bank	--	8	4	Sand and gravel
143C	T143-00	Area 5A	1t	2023-11-15	657693.7	1137836.3	625.3	Middle of creek	--	20	3	Sand and gravel
143D	T143-00	Area 5A	1t	2023-11-15	657706.7	1137840.4	625.9	Bottom of east bank	--	15	4	Sand and gravel
143E	T143-00	Area 5A	1t	2023-11-15	657725.2	1137835.3	637.1	Top of east bank	--	--	--	--
144A	T144-00	Area 5A	1t	2023-11-15	657699.7	1137735.6	626.2	Bottom of west bank	--	13	0	Cobbles with sand and gravel
144B	T144-00	Area 5A	1t	2023-11-15	657718.3	1137739.6	630.9	Middle of creek	--	16	5	Cobbles with sand and gravel
144C	T144-00	Area 5A	1t	2023-11-15	657732.7	1137741.2	636.1	Bottom of east bank	--	1	0	Cobbles with sand and gravel
144D	T144-00	Area 5A	1t	2023-11-15	657751.0	1137754.0	638.4	Top of east bank	--	--	--	--
145A	T145-00	Area 5A	1t	2023-11-15	657722.8	1137638.1	627.4	Bottom of west bank	--	0	1	Cobbles with sand and gravel
145B	T145-00	Area 5A	1t	2023-11-15	657736.2	1137639.1	624.7	Middle of creek	--	4	4	Cobbles with sand and gravel
145C	T145-00	Area 5A	1t	2023-11-15	657748.6	1137641.1	622.8	Bottom of east bank	--	0	0	Cobbles with sand and gravel
145D	T145-00	Area 5A	1t	2023-11-15	657726.3	1137611.4	626.0	Sediment deposit	T145-01	--	4	Cobbles with sand and gravel, bank deposit
145E	T145-00	Area 5A	1t	2023-11-15	657723.4	1137586.4	625.3	Sediment deposit	T145-01	--	9	Cobbles with sand and gravel, bank deposit
145F	T145-00	Area 5A	1t	2023-11-15	657719.8	1137564.2	625.7	Sediment deposit	T145-01	--	13	Cobbles with sand and gravel, bank deposit
146A	T146-00	Area 5A	1t	2023-11-15	657714.6	1137541.3	626.9	Bottom of west bank	--	0	2	Cobbles with sand and gravel
146B	T146-00	Area 5A	1t	2023-11-15	657730.1	1137538.6	627.5	Middle of creek	--	8	2	Cobbles with sand and gravel
146C	T146-00	Area 5A	1t	2023-11-15	657743.9	1137538.0	625.4	Bottom of east bank	--	8	2	Cobbles with sand and gravel
147A	T147-00	Area 5A	1t	2023-11-15	657706.0	1137447.9	624.0	Bottom of west bank	--	0	0	Cobbles with sand and gravel
147B	T147-00	Area 5A	1t	2023-11-15	657718.9	1137446.3	625.2	Middle of creek	--	21	2	Cobbles with sand and gravel
147C	T147-00	Area 5A	1t	2023-11-15	657731.8	1137441.4	630.6	Bottom of east bank	--	6	2	Sand and gravel
147D	T147-00	Area 5A	1t	2023-11-15	657765.7	1137441.7	648.4	Top of east bank	--	--	--	--
148A	T148-00	Area 5A	1u	2023-11-15	657693.8	1137343.7	633.8	Bottom of west bank	--	0	0	Sand and gravel
148B	T148-00	Area 5A	1u	2023-11-15	657707.5	1137339.4	628.9	Middle of creek	--	23	5	Sand and gravel
148C	T148-00	Area 5A	1u	2023-11-15	657720.9	1137342.7	627.3	Bottom of east bank	--	4	4	Sand and gravel
148D	T148-00	Area 5A	1u	2023-11-15	657765.7	1137340.3	652.2	Top of east bank	--	--	--	--
149A	T149-00	Area 5A	1u	2023-11-15	657674.6	1137249.9	620.1	Bottom of west bank	--	3	2	Sand with cobbles and gravel
149B	T149-00	Area 5A	1u	2023-11-15	657693.1	1137242.5	623.5	Middle of creek	--	18	1	Sand with cobbles and gravel
149C	T149-00	Area 5A	1u	2023-11-15	657708.0	1137241.9	625.9	Bottom of east bank	--	2	0	Sand with cobbles and gravel
149D	T149-00	Area 5A	1u	2023-11-15	657753.2	1137230.8	651.4	Top of east bank	--	--	--	--
149E	T149-00	Area 5A	1u	2023-11-15	657662.5	1137192.4	626.3	Sediment deposit	T149-01	--	6	Sand with cobbles and gravel, bank deposit
149F	T149-00	Area 5A	1u	2023-11-15	657646.5	1137146.8	632.5	Sediment deposit	T149-01	--	11	Fines on top of cobbles and gravel, bank deposit
149G	T149-00	Area 5A	1u	2023-11-15	657628.9	1137099.9	633.9	Sediment deposit	T149-01	--	16	Fines on top of cobbles and gravel, bank deposit
150A	T150-00	Area 5A	1u	2023-11-15	657647.2	1137150.1	623.1	Bottom of west bank	T149-01	0	5	Cobbles with sand and gravel
150B	T150-00	Area 5A	1u	2023-11-15	657662.8	1137144.0	624.7	Middle of creek	--	6	2	Cobbles with sand and gravel
150C	T150-00	Area 5A	1u	2023-11-15	657681.0	1137141.0	631.6	Bottom of east bank	--	--	0	Cobbles with sand and gravel
151A	T151-00	Area 5A	1u	2023-11-15	657608.8	1137067.6	619.8	Bottom of west bank	--	0	0	Cobbles with sand and gravel
151B	T151-00	Area 5A	1u	2023-11-15	657615.8	1137062.3	627.1	Middle of creek	--	6	2	Cobbles with sand and gravel
151C	T151-00	Area 5A	1u	2023-11-15	657630.4	1137055.3	629.5	Bottom of east bank	--	0	0	Cobbles with sand and gravel
152A	T152-00	Area 5A	1u	2023-11-15	657552.1	1136975.0	632.4	Bottom of west bank	--	0	3	Cobbles with sand and gravel
152B	T152-00	Area 5A	1u	2023-11-15	657569.9	1136966.4	629.3	Middle of creek	--	5	3	Cobbles with sand and gravel
152C	T152-00	Area 5A	1u	2023-11-15	657582.0	1136959.7	628.9	Bottom of east bank	--	0	2	Cobbles with sand and gravel
152D	T152-00	Area 5A	1u	2023-11-15	657656.2	1136943.1	665.2	Top of east bank	--	--	--	--
153A	T153-00	Area 5A	1u	2023-11-15	657523.2	1136880.6	636.5	Bottom of west bank	--	2	2	Sand with cobbles and gravel
153B	T153-00	Area 5A	1u	2023-11-15	657539.2	1136878.0	630.4	Middle of creek	--	4	2	Sand with cobbles and gravel

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153C	T153-00	Area 5A	1u	2023-11-15	657553.3	1136869.0	625.6	Bottom of east bank	--	0	3	Sand with cobbles and gravel
153D	T153-00	Area 5A	1u	2023-11-15	657631.4	1136860.0	668.0	Top of east bank	--	--	--	--
154A	T154-00	Area 5A	1v	2023-11-16	657491.1	1136796.0	634.8	Bottom of west bank	--	0	0	Sand with cobbles and gravel
154B ◊	T154-00	Area 5A	1v	2023-11-15	657503.7	1136790.4	629.1	Middle of creek	--	7	6	Sand with cobbles and gravel
154C	T154-00	Area 5A	1v	2023-11-15	657518.1	1136780.4	625.5	Bottom of east bank	--	0	4	Clay with sand and gravel
154D	T154-00	Area 5A	1v	2023-11-15	657609.4	1136769.6	675.4	Top of east bank	--	--	--	--
155A	T155-00	Area 5A	1v	2023-11-16	657446.4	1136704.2	642.2	Bottom of west bank	--	2	3	Clay with sand and gravel
155B	T155-00	Area 5A	1v	2023-11-15	657459.1	1136698.2	641.3	Middle of creek	--	11	2	Clay with sand and gravel
155C	T155-00	Area 5A	1v	2023-11-15	657479.2	1136692.4	636.9	Bottom of east bank	--	0	4	Clay with sand and gravel
155D	T155-00	Area 5A	1v	2023-11-15	657558.1	1136637.4	673.7	Top of east bank	--	--	--	--
155E*	T155-00	Area 5A	1v	2023-11-15	657443.3	1136708.8	--	Sediment deposit (location estimated, not safely accessible)	T155-01	--	0	--
155F	T155-00	Area 5A	1v	2023-11-15	657427.0	1136652.9	633.2	Sediment deposit	T155-02	--	5	Cobbles with sand and gravel, bank deposit
155G	T155-00	Area 5A	1v	2023-11-15	657410.3	1136628.3	635.2	Sediment deposit	T155-02	--	10	Fines with sand and gravel, bank deposit
155H	T155-00	Area 5A	1v	2023-11-15	657384.5	1136584.0	624.7	Sediment deposit	T155-02	--	20	Fines with sand and gravel, bank deposit
156A	T156-00	Area 5A	1v	2023-11-16	657370.6	1136616.3	629.4	Top of west bank	--	--	--	--
156B	T156-00	Area 5A	1v	2023-11-15	657405.5	1136612.1	627.5	Bottom of west bank	--	0	2	Cobbles with sand and gravel
156C	T156-00	Area 5A	1v	2023-11-15	657417.7	1136606.6	629.7	Middle of creek	--	5	2	Cobbles with sand and gravel
156D	T156-00	Area 5A	1v	2023-11-15	657434.0	1136596.1	622.4	Bottom of east bank	--	8	4	Cobbles with sand and gravel
156E	T156-00	Area 5A	1v	2023-11-16	657525.9	1136526.2	677.5	Top of east bank	--	--	--	--
157A	T157-00	Area 5A	1v	2023-11-15	657334.5	1136537.9	630.9	Top of west bank	--	--	--	--
157B	T157-00	Area 5A	1v	2023-11-15	657354.0	1136526.1	623.1	Bottom of west bank	--	2	4	Cobbles with sand and gravel
157C	T157-00	Area 5A	1v	2023-11-15	657370.0	1136520.6	621.2	Middle of creek	--	4	0	Cobbles with sand and gravel
157D	T157-00	Area 5A	1v	2023-11-16	657383.3	1136509.1	621.2	Middle of creek	--	0	1	Fines, sands and gravel
158A	T158-00	Area 5A	1v	2023-11-15	657317.3	1136433.8	631.7	Bottom of west bank	--	6	4	Cobbles with sand and gravel
158B	T158-00	Area 5A	1v	2023-11-15	657328.9	1136429.1	627.9	Middle of creek	--	12	2	Cobbles with sand and gravel
158C	T158-00	Area 5A	1v	2023-11-15	657344.8	1136424.0	625.4	Bottom of east bank	--	0	1	Cobbles with sand and gravel
159A	T159-00	Area 5A	1v	2023-11-15	657291.2	1136342.8	637.5	Bottom of west bank	--	4	1	Sand with cobbles and gravel, some fines
159B	T159-00	Area 5A	1v	2023-11-15	657306.1	1136336.4	636.0	Middle of creek	--	24	3	Sand with cobbles and gravel, some fines
159C	T159-00	Area 5A	1v	2023-11-15	657320.5	1136331.3	636.8	Bottom of east bank	--	4	1	Sand with cobbles and gravel, some fines
160A	T160-00	Area 5A	1v	2023-11-21	657243.1	1136239.5	625.4	Top of west bank	--	--	--	--
160B	T160-00	Area 5A	1v	2023-11-21	657245.8	1136234.3	623.4	Bottom of west bank	--	0	0	Sand with cobbles and gravel, some fines
160C	T160-00	Area 5A	1v	2023-11-21	657272.3	1136233.7	621.5	Middle of creek	--	13	1	Sand with cobbles and gravel
160D	T160-00	Area 5A	1v	2023-11-21	657287.0	1136228.7	620.9	Bottom of east bank	--	7	0	Sand with cobbles and gravel
160E	T160-00	Area 5A	1v	2023-11-21	657298.1	1136236.1	622.7	Top of east bank	--	--	--	--
160F	T160-00	Area 5A	1v	2023-11-21	657247.0	1136228.1	623.0	Sediment deposit	T160-01	--	4	Cobbles with sand and gravel
160G	T160-00	Area 5A	1v	2023-11-21	657223.3	1136198.1	623.0	Sediment deposit	T160-02	--	24	Cobbles with sand and gravel, bank deposit
160H	T160-00	Area 5A	1v	2023-11-21	657216.1	1136191.2	623.0	Sediment deposit	T160-02	--	12	Cobbles with sand and gravel, bank deposit
160I	T160-00	Area 5A	1v	2023-11-21	657228.3	1136172.2	621.4	Sediment deposit	T160-03	--	18	Cobbles with sand and gravel, channel deposit

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
161A	T161-00	Area 5A	1v	2023-11-21	657208.5	1136155.2	621.4	Bottom of west bank	--	2	0	Sand with cobbles and gravel
161B	T161-00	Area 5A	1v	2023-11-21	657222.4	1136147.1	620.1	Middle of creek	--	18	0	Sand with cobbles and gravel
161C	T161-00	Area 5A	1v	2023-11-21	657238.3	1136127.6	621.2	Bottom of east bank	--	7	3	Sand with cobbles and gravel
161D	T161-00	Area 5A	1v	2023-11-21	657231.1	1136149.5	626.0	Sediment deposit	T161-01	--	19	Cobbles with sand and gravel, channel deposit
161E	T161-00	Area 5A	1v	2023-11-14	657224.5	1136140.7	624.7	Sediment deposit	T161-01	--	12	Cobbles with sand and gravel, channel deposit
161F	T161-00	Area 5A	1v	2023-11-21	657212.2	1136127.3	625.7	Sediment deposit	T161-01	--	15	Cobbles with sand and gravel, channel deposit
161G	T161-00	Area 5A	1v	2023-11-21	657213.4	1136075.7	627.3	Sediment deposit	T161-02	--	12	Sand, bank deposit
161H	T161-00	Area 5A	1v	2023-11-14	657197.6	1136048.3	620.7	Sediment deposit	T161-02	--	10	Sand, bank deposit
161I	T161-00	Area 5A	1v	2023-11-14	657216.8	1136043.8	625.0	Sediment deposit	T161-02	--	36	Sand, bank deposit
161J	T161-00	Area 5A	1v	2023-11-14	657207.8	1136000.0	617.8	Sediment deposit	T161-02	--	12	Sand, bank deposit
161K	T161-00	Area 5A	1v	2023-11-14	657215.1	1135959.9	630.2	Sediment deposit	T161-02	--	15	Sand, bank deposit
161L	T161-00	Area 5A	1v	2023-11-14	657226.1	1135883.7	629.6	Sediment deposit	T161-02	--	36	Sand, bank deposit
161M	T161-00	Area 5A	1v	2023-11-14	657213.4	1135870.2	623.4	Sediment deposit	T161-02	--	6	Sand with cobbles. bank deposit
161N	T161-00	Area 5A	1v	2023-11-14	657238.8	1135772.6	627.0	Sediment deposit	T161-02	--	4	Sand with cobbles. bank deposit
161O*	T161-00	Area 5A	1v	2023-11-14	657252.5	1135777.0	--	Sediment deposit	T161-02	--	13	Sand with fines, bank deposit
161P	T161-00	Area 5A	1v	2023-11-14	657288.8	1135712.5	627.3	Sediment deposit	T161-02	--	36	Sand, bank deposit
161Q	T161-00	Area 5A	1v	2023-11-14	657324.2	1135664.2	623.4	Sediment deposit	T161-02	--	36	Sand, bank deposit
162A	T162-00	Area 5A	1w	2023-11-14	657185.7	1136067.4	631.6	Top of west bank	--	--	--	Vertical stone wall
162B	T162-00	Area 5A	1w	2023-11-14	657189.8	1136067.6	623.7	Bottom of east bank	--	6	2	Sand and gravel
162C	T162-00	Area 5A	1w	2023-11-14	657208.0	1136066.4	626.8	Middle of creek	T161-02	0	4	Sand and gravel
162D	T162-00	Area 5A	1w	2023-11-21	657233.9	1136063.9	637.3	Top of east bank	--	--	--	--
163A	T163-00	Area 5A	1w	2023-11-14	657181.4	1135959.5	612.1	Bottom of west bank	--	0	0	Sand with cobbles and gravel
163B	T163-00	Area 5A	1w	2023-11-21	657191.1	1135960.3	611.6	Middle of creek	--	6	2	Sand with cobbles and gravel
163C	T163-00	Area 5A	1w	2023-11-14	657209.6	1135962.1	627.5	Bottom of east bank	T161-02	0	6	Sand with cobbles and gravel
163D	T163-00	Area 5A	1w	2023-11-14	657248.0	1135972.6	646.4	Top of east bank	--	--	--	--
164A	T164-00	Area 5A	1w	2023-11-14	657195.0	1135861.0	634.8	Bottom of west bank	T161-02	0	6	Cobbles with sand and gravel
164B	T164-00	Area 5A	1w	2023-11-14	657208.8	1135869.0	636.0	Middle of creek	T161-02	4	4	Cobbles with sand and gravel
164C	T164-00	Area 5A	1w	2023-11-14	657226.9	1135874.0	631.6	Bottom of east bank	T161-02	0	6	Cobbles with sand and gravel
164D	T164-00	Area 5A	1w	2023-11-21	657252.3	1135876.1	638.5	Top of east bank	--	--	--	--
165A	T165-00	Area 5A	1w	2023-11-14	657219.9	1135754.8	620.8	Bottom of west bank	T161-02	4	5	Cobbles with sand and gravel
165B	T165-00	Area 5A	1w	2023-11-14	657237.1	1135763.9	621.9	Middle of creek	T161-02	4	4	Cobbles with sand and gravel
165C	T165-00	Area 5A	1w	2023-11-14	657250.6	1135767.2	619.3	Bottom of east bank	T161-02	0	4	Cobbles with sand and gravel
165D	T165-00	Area 5A	1w	2023-11-21	657298.5	1135782.4	630.4	Top of east bank	--	--	--	--
166A	T166-00	Area 5A	1w	2023-11-14	657254.5	1135680.4	627.2	Top of west bank	--	--	--	--
166B	T166-00	Area 5A	1w	2023-11-14	657261.9	1135672.7	623.0	Bottom of west bank	--	6	4	Cobbles with sand and gravel
166C	T166-00	Area 5A	1w	2023-11-14	657275.4	1135679.6	618.8	Middle of creek	T161-02	3	8	Cobbles with sand and gravel
166D	T166-00	Area 5A	1w	2023-11-14	657291.9	1135688.7	621.8	Bottom of east bank	T161-02	0	4	Cobbles with sand and gravel
166E	T166-00	Area 5A	1w	2023-11-21	657329.4	1135722.3	627.0	Top of east bank	--	--	--	--
166F	T166-00	Area 5A	1w	2023-11-14	657340.8	1135570.2	630.9	Sediment deposit	T166-01	--	15	Fines over cobbles and sand, bank deposit
166G	T166-00	Area 5A	1w	2023-11-14	657358.7	1135545.2	624.7	Sediment deposit	T166-01	--	18	Fines over cobbles and sand, bank deposit
166H	T166-00	Area 5A	1w	2023-11-14	657402.1	1135461.2	626.3	Sediment deposit	T166-01	--	18	Fines over cobbles and sand, bank deposit
167A	T167-00	Area 5A	1w	2023-11-14	657332.8	1135594.4	624.7	Bottom of west bank	T166-01	0	4	Fines over cobbles and sand
167B	T167-00	Area 5A	1w	2023-11-14	657349.1	1135607.4	623.5	Middle of creek	--	15	0	Fines over cobbles and sand
167C	T167-00	Area 5A	1w	2023-11-21	657359.4	1135613.1	626.1	Bottom of east bank	--	0	0	Fines over cobbles and sand
168A	T168-00	Area 5A	1w	2023-11-21	657386.1	1135504.1	626.9	Bottom of west bank	T166-01	0	6	Fines over cobbles and sand
168B	T168-00	Area 5A	1w	2023-11-14	657404.5	1135514.8	627.1	Middle of creek	--	10	2	Fines over cobbles and sand
168C ◊	T168-00	Area 5A	1w	2023-11-14	657419.1	1135523.7	624.9	Bottom of east bank	--	5	8	Fines over cobbles and sand
168D	T168-00	Area 5A	1w	2023-11-14	657420.2	1135536.5	621.4	Top of east bank	--	--	--	--

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
169A	T169-00	Area 5A	1x	2023-11-14	657430.4	1135418.1	625.4	Bottom of west bank	--	0	4	Cobbles with sand
169B	T169-00	Area 5A	1x	2023-11-14	657450.2	1135423.7	622.9	Middle of creek	--	6	2	Cobbles with sand
169C	T169-00	Area 5A	1x	2023-11-14	657465.4	1135431.2	628.9	Bottom of east bank	--	0	--	Sand over clay
169D	T169-00	Area 5A	1x	2023-11-21	657472.0	1135450.2	630.7	Top of east bank	--	--	--	--
170A*	T170-00	Area 5A	1x	2023-11-21	657461.2	1135322.7	--	Bottom of west bank	T166-01	0	12	Sand, cobbles, and gravel over clay
170B*	T170-00	Area 5A	1x	2023-11-21	657479.2	1135325.3	--	Middle of creek	--	4	2	Sand with gravel and cobbles
170C*	T170-00	Area 5A	1x	2023-11-21	657497.7	1135326.0	--	Bottom of east bank	--	2	2	Sand and gravel over clay
170D	T170-00	Area 5A	1X	2023-11-21	657497.4	1135341.7	621.7	Top of east bank	--	--	--	--
170E	T170-00	Area 5A	1x	2023-11-14	657525.0	1135285.5	620.4	Sediment deposit	T170-01	--	15	Fines, bank deposit
170F	T170-00	Area 5A	1x	2023-11-14	657533.0	1135262.0	619.4	Sediment deposit	T170-02	--	20	Fines, bank deposit
171A	T171-00	Area 5A	1x	2023-11-21	657510.4	1135231.5	622.2	Bottom of west bank	--	1	4	Cobbles with sand
171B	T171-00	Area 5A	1x	2023-11-14	657525.0	1135239.7	621.9	Middle of creek	T170-02	1	2	Cobbles with sand
171C	T171-00	Area 5A	1x	2023-11-14	657541.1	1135249.7	624.5	Bottom of east bank	T170-02	0	9	Sand with fines
171D	T171-00	Area 5A	1x	2023-11-14	657561.3	1135266.1	619.3	Top of east bank	--	--	--	--
172A	T172-00	Area 5A	1x	2023-11-21	657547.3	1135149.5	617.4	Middle of creek	--	0	3	Fines with sand over cobbles
172B*	T172-00	Area 5A	1x	2023-11-14	657565.4	1135157.1	--	Middle of creek	--	3	1	Cobbles with sand
172C ◊	T172-00	Area 5A	1x	2023-11-14	657578.8	1135168.2	621.7	Bottom of east bank, localized bank failure	--	1	24	Fines with sands
172D	T172-00	Area 5A	1x	2023-11-14	657589.0	1135163.7	622.4	Top of east bank	--	--	--	--
172E*	T172-00	Area 5A	1x	2023-11-14	657592.2	1135135.6	--	Location of previous deposit (S-5-18), no sediment observed	--	--	0	--
172F	T172-00	Area 5A	1x	2023-11-14	657619.1	1135063.4	623.0	Sediment deposit	T172-01	--	14	Fines with sand and cobbles, bank deposit
172G	T172-00	Area 5A	1x	2023-11-14	657643.1	1135037.0	622.7	Sediment deposit	T172-01	--	13	Fines with sand and cobbles, bank deposit
173A ◊	T173-00	Area 5A	1x	2023-11-14	657587.9	1135058.4	616.0	Bottom of west bank	--	0	18	Fines with sand and cobbles over clay
173B	T173-00	Area 5A	1x	2023-11-21	657614.3	1135069.4	626.0	Bottom of east bank	T172-01	0	8	Fines with sand and cobbles
173C	T173-00	Area 5A	1x	2023-11-14	657645.8	1135066.3	618.5	Top of east bank	--	--	--	--
174A	T174-00	Area 5A	1x	2023-11-14	657651.7	1134982.5	625.5	Bottom of west bank	--	0	1	Sand and cobbles
174B	T174-00	Area 5A	1x	2023-11-14	657667.1	1134989.5	625.6	Middle of creek	--	15	1	Sand and cobbles
174C	T174-00	Area 5A	1x	2023-11-14	657679.3	1134998.6	619.9	Bottom of east bank	--	0	5	Sand and cobbles
174D	T174-00	Area 5A	1x	2023-11-21	657702.3	1135005.5	623.7	Top of east bank	--	--	--	--
174E	T174-00	Area 5A	1x	2023-11-14	657685.2	1134945.5	603.0	Sediment deposit	T174-01	--	4	Cobbles with sand, bank deposit
174F	T174-00	Area 5A	1x	2023-11-14	657681.9	1134934.6	606.0	Sediment deposit	T174-01	--	5	Cobbles with sand, bank deposit
174G*	T174-00	Area 5A	1x	2023-11-14	657705.8	1134943.9	--	Sediment deposit	T174-02	--	6	Cobbles with sand, channel deposit
174H	T174-00	Area 5A	1x	2023-11-14	657721.4	1134923.5	615.5	Sediment deposit	T174-02	--	10	Cobbles with sand, channel deposit
174I*	T174-00	Area 5A	1x	2023-11-14	657738.0	1134855.6	--	Sediment deposit	T174-03	--	6	Cobbles with sand, bank deposit
175A	T175-00	Area 5A	1x	2023-11-14	657713.7	1134891.7	606.0	Bottom of west bank	--	0	2	Sand and cobbles
175B	T175-00	Area 5A	1x	2023-11-14	657731.3	1134907.6	597.5	Middle of creek	--	2	3	Sand and cobbles
175C	T175-00	Area 5A	1x	2023-11-21	657754.4	1134916.7	625.1	Top of east bank	--	--	--	Railroad embankment
176A	T176-00	Area 5A	1x	2023-11-14	657745.3	1134808.5	608.7	Bottom of west bank	--	0	4	Sand and cobbles
176B	T176-00	Area 5A	1x	2023-11-21	657772.8	1134812.9	606.3	Middle of creek	--	18	0	Sand and cobbles
176C	T176-00	Area 5A	1x	2023-11-14	657791.3	1134830.7	626.1	Top of east bank	--	--	--	Railroad embankment
177A ◊	T177-00	Area 5A	1y	2023-11-14	657795.5	1134729.0	615.3	Bottom of west bank	--	1	10	Sand and cobbles, large riprap
177B	T177-00	Area 5A	1y	2023-11-14	657805.2	1134733.1	612.8	Middle of creek	--	18	0	Sand and cobbles
177C	T177-00	Area 5A	1y	2023-11-21	657838.7	1134739.8	627.5	Top of east bank	--	--	--	Railroad embankment
178A	T178-00	Area 5A	1y	2023-11-14	657837.6	1134623.4	621.4	Bottom of west bank	--	0	4	Cobbles with sand and gravel
178B	T178-00	Area 5A	1y	2023-11-14	657852.5	1134630.8	609.3	Middle of creek	--	9	2	Cobbles with sand and gravel
178C	T178-00	Area 5A	1y	2023-11-21	657879.1	1134649.2	624.7	Top of east bank	--	--	--	Railroad embankment
179A	T179-00	Area 5A	1y	2023-11-14	657880.8	1134532.9	613.9	Bottom of west bank	--	0	3	Bedrock with sand and gravel
179B	T179-00	Area 5A	1y	2023-11-14	657891.9	1134540.9	613.6	Middle of creek	--	9	0	Bedrock with sand and gravel
179C	T179-00	Area 5A	1y	2023-11-21	657925.3	1134554.5	626.7	Top of east bank	--	--	--	Railroad embankment

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180A	T180-00	Area 5A	1y	2023-11-14	657916.6	1134445.4	613.5	Bottom of west bank	--	22	0	Bedrock
180B	T180-00	Area 5A	1y	2023-11-14	657932.3	1134457.4	611.9	Middle of creek	--	22	0	Bedrock
180C*	T180-00	Area 5A	1y	2023-11-14	657948.9	1134469.7	--	Bottom of east bank	--	0	5	Sand and gravel over clay
180D	T180-00	Area 5A	1y	2023-11-21	657995.0	1134458.7	--	Top of east bank	--	--	--	Railroad embankment
180E	T180-00	Area 5A	1x	2023-11-14	657965.8	1134445.9	--	Sediment deposit	T180-01	--	8	Gravel with sand, bank deposit
180F	T180-00	Area 5A	1y	2023-11-14	657982.6	1134418.0	--	Sediment deposit	T180-01	--	6	Gravel with sand, bank deposit
181A	T181-00	Area 5A	1y	2023-11-14	657970.3	1134392.4	--	Bottom of west bank	--	1	2	Gravel with cobbles and sand
181B*	T181-00	Area 5A	1y	2023-11-14	657980.3	1134395.9	--	Middle of creek	--	3	2	Gravel with cobbles and sand
181C	T181-00	Area 5A	1y	2023-11-14	657990.6	1134404.6	613.8	Bottom of east bank	T180-01	0	4	Cobbles with gravel and sand
181D	T181-00	Area 5A	1y	2023-11-21	658018.2	1134428.8	620.1	Top of east bank	--	--	--	Railroad embankment
182A	T182-00	Area 5A	1y	2023-11-21	658037.3	1134319.5	614.7	Bottom of west bank	--	5	0	Gravel with cobbles and sand
182B	T182-00	Area 5A	1y	2023-11-14	658047.3	1134327.4	618.9	Middle of creek	--	10	1	Gravel with cobbles and sand
182C	T182-00	Area 5A	1y	2023-11-14	658058.5	1134338.5	617.4	Bottom of east bank	T180-01	0	4	Gravel with cobbles and sand
182D	T182-00	Area 5A	1y	2023-11-14	658072.7	1134361.4	619.2	Top of east bank	--	--	--	Railroad embankment
183A	T183-00	Area 5A	1y	2023-11-14	658096.3	1134250.0	617.2	Bottom of west bank	--	2	0	Cobbles with sand and gravel
183B	T183-00	Area 5A	1y	2023-11-14	658107.1	1134259.5	613.8	Middle of creek	--	4	2	Cobbles with sand and gravel
183C ◊	T183-00	Area 5A	1y	2023-11-14	658124.5	1134271.5	613.5	Bottom of east bank	--	4	8	Fines with cobbles
183D	T183-00	Area 5A	1y	2023-11-21	658125.3	1134282.6	619.1	Top of east bank	--	--	--	--
184A	T184-00	Area 5A	1z	2023-11-14	658171.8	1134176.0	610.3	Bottom of west bank	--	0	4	Cobbles with sand and gravel
184B	T184-00	Area 5A	1z	2023-11-14	658182.7	1134186.2	612.2	Middle of creek	--	3	2	Cobbles with sand and gravel
184C	T184-00	Area 5A	1z	2023-11-21	658193.2	1134194.8	617.1	Bottom of east bank	--	0	2	Cobbles with sand and gravel
184D	T184-00	Area 5A	1z	2023-11-14	658195.6	1134211.7	614.6	Top of east bank	--	--	--	--
185A	T185-00	Area 5A	1z	2023-11-14	658246.2	1134101.8	610.0	Bottom of west bank	--	7	1	Clay
185B	T185-00	Area 5A	1z	2023-11-14	658254.5	1134119.4	606.1	Middle of creek	--	5	4	Cobbles with gravel and sand
185C	T185-00	Area 5A	1z	2023-11-21	658264.6	1134128.7	611.6	Bottom of east bank	--	5	1	Clay with sand
185D	T185-00	Area 5A	1z	2023-11-14	658275.9	1134131.3	613.3	Top of east bank	--	--	--	--
186A ◊	T186-00	Area 5A	1z	2023-11-14	658322.5	1134033.6	610.6	Bottom of west bank	--	0	6	Sand with fines and clay
186B	T186-00	Area 5A	1z	2023-11-14	658334.1	1134051.2	609.7	Middle of creek	--	9	4	Cobbles with sand and gravel
186C ◊	T186-00	Area 5A	1z	2023-11-14	658343.4	1134066.6	610.6	Bottom of east bank	--	3	9	Clay with fines
186D	T186-00	Area 5A	1z	2023-11-21	658362.9	1134068.4	618.0	Top of east bank	--	--	--	--
187A ◊	T187-00	Area 5A	1z	2023-11-14	658405.6	1133972.2	607.7	Bottom of west bank	--	14	7	Sand with fines and clay
187B*	T187-00	Area 5A	1z	2023-11-14	658417.0	1133984.5	--	Middle of creek	--	20	1	Sand with fines and clay
187C	T187-00	Area 5A	1z	2023-11-14	658426.6	1133997.7	610.1	Bottom of east bank	--	6	1	Clay
187D	T187-00	Area 5A	1z	2023-11-21	658427.5	1134007.1	617.2	Top of east bank	--	--	--	--
188A	T188-00	Area 5A	1z	2023-11-14	658484.2	1133911.4	617.5	Bottom of west bank	--	0	0	Bedrock
188B	T188-00	Area 5A	1z	2023-11-14	658494.3	1133922.2	618.1	Middle of creek	--	9	0	Bedrock
188C	T188-00	Area 5A	1z	2023-11-14	658505.0	1133931.5	609.4	Bottom of east bank	--	8	2	Clayey fines over bedrock
188D	T188-00	Area 5A	1z	2023-11-21	658541.2	1133921.8	619.5	Top of east bank	--	--	--	--
188E	T188-00	Area 5A	1y	2023-11-14	658556.1	1133870.2	611.2	Sediment deposit	T188-01	8	15	Sand and gravel, channel deposit
188F	T188-00	Area 5A	1z	2023-11-14	658563.9	1133859.6	611.2	Sediment deposit	T188-01	5	29	Sand and gravel, channel deposit
189A	T189-00	Area 5A	1z	2023-11-14	658551.4	1133849.1	609.2	Bottom of west bank	--	0	2	Fines over bedrock
189B	T189-00	Area 5A	1z	2023-11-21	658564.0	1133859.7	610.6	Middle of creek	T188-01	6	29	Sand and gravel
189C	T189-00	Area 5A	1z	2023-11-14	658575.4	1133865.9	610.8	Bottom of east bank	--	2	5	Sand and fines
189D	T189-00	Area 5A	1z	2023-11-14	658583.1	1133879.0	613.9	Top of east bank	--	--	--	--
189E	T189-00	Area 5A	1z	2023-11-14	658580.7	1133785.3	608.3	Location of previous deposit (S-5-21), little sediment observed	--	--	3	Gravel and sand, bank deposit
190A	T190-00	Area 5A	1z	2023-11-14	658581.5	1133763.2	607.2	Bottom of west bank	T190-01	0	18	Sand and gravel
190B	T190-00	Area 5A	1z	2023-11-14	658594.2	1133761.6	605.6	Middle of creek	--	27	1	Sand and gravel over bedrock or concrete
190C	T190-00	Area 5A	1z	2023-11-14	658604.8	1133764.4	607.1	Bottom of east bank	--	4	0	Concrete and riprap
190D	T190-00	Area 5A	1z	2023-11-14	658581.6	1133746.8	607.9	Sediment deposit	T190-01	2	18	Sand with gravel, bank deposit
190E	T190-00	Area 5A	1z	2023-11-14	658582.3	1133738.6	607.6	Sediment deposit	T190-01	2	26	Sand with gravel, bank deposit

Table 1
Phase 1 Sediment Probing Data

Probe Point IDs	Transect ID	Creek Area Designation	Figure Number	Date	Easting	Northing	Elevation (ft NAVD88)	Probe Location/Notes	Sediment Deposit Field ID	Water Depth (inches)	Probe Depth (inches)	Creek Bottom and Sediment Description
190F	T190-00	Area 5A	1z	2023-11-14	658582.5	1133705.7	608.3	Sediment deposit	T190-01	--	12	Sand with gravel, bank deposit
191A	T191-00	Area 5A	1aa	2023-11-14	658570.7	1133658.2	608.2	Bottom of west bank	--	0	0	Rock with fines and sand
191B	T191-00	Area 5A	1aa	2023-11-14	658590.2	1133656.4	606.8	Middle of creek	--	18	0	Bedrock
191C	T191-00	Area 5A	1aa	2023-11-14	658608.7	1133658.2	607.9	Bottom of east bank	--	0	2	Gravel above bedrock
191D ◊	T191-00	Area 5A	1aa	2023-11-14	658608.1	1133627.1	605.6	Sediment observed (less than 50 square feet)	--	--	12	Sand and gravel with riprap, bank deposit
192A	T192-00	Area 5A	1aa	2023-11-14	658579.6	1133565.9	607.5	Bottom of west bank	--	0	3	Sand and gravel over bedrock
192B ◊	T192-00	Area 5A	1aa	2023-11-14	658598.6	1133567.8	606.3	Middle of creek	--	15	11	Sand and gravel over bedrock
192C	T192-00	Area 5A	1aa	2023-11-14	658612.4	1133569.5	607.7	Bottom of east bank	--	0	0	Riprap
193A	T193-00	Area 5A	1aa	2023-11-14	658584.8	1133464.4	606.0	Bottom of west bank	--	0	0	Riprap
193B	T193-00	Area 5A	1aa	2023-11-14	658596.7	1133466.7	604.5	Middle of creek	--	18	2	Sand over bedrock
193C	T193-00	Area 5A	1aa	2023-11-14	658611.3	1133465.1	606.0	Bottom of east bank	--	0	0	Riprap
209A	T209-00	Area 5C	1cc	2023-11-16	658863.7	1131900.7	602.4	Sediment deposit	T209-01	--	10	Sand with cobbles and gravel, aggrading bar
209B	T209-00	Area 5C	1cc	2023-11-16	658858.1	1131880.6	601.4	Sediment deposit	T209-01	6	6	Sand with cobbles and gravel, aggrading bar
210A	T210-00	Area 5C	1cc	2023-11-16	658826.2	1131867.0	610.3	Top of west bank	--	--	--	--
210B	T210-00	Area 5C	1cc	2023-11-16	658846.0	1131863.6	601.0	Bottom of west bank	--	0	0	Sand with gravel and cobbles
210C	T210-00	Area 5C	1cc	2023-11-16	658869.3	1131857.4	598.6	Middle of creek	--	31	2	Sand with gravel and cobbles
210D	T210-00	Area 5C	1cc	2023-11-16	658895.2	1131849.2	606.1	Top of east bank	--	--	--	--
210E	T210-00	Area 5C	1cc	2023-11-16	658857.8	1131864.5	600.4	Sediment deposit	T210-01	3	15	Sand and gravel, aggrading bar
210F	T210-00	Area 5C	1cc	2023-11-16	658853.3	1131845.8	602.0	Sediment deposit	T210-01	--	8	Sand and gravel, aggrading bar

Notes:

1. The data presented are based on Phase 1 sediment probing conducted during November 2023.
2. Figures 1a through 1cc show the transect locations and the Phase 1 sediment probing locations.
3. The sediment probing and thickness measurements were conducted using a calibrated, small diameter (less than 0.5 inches), 36-inch long, steel probe rod. The probing locations and the extents of observed sediment deposits were recorded using a pole-mounted Trimble DA2 global navigation satellite system (GNSS) receiver with a Trimble Catalyst 1 positioning service to provide sub-meter accuracy.
4. Horizontal datum: North American Datum of 1983 (NAD 83), Alabama State Plane, East Zone, U.S. survey feet.
5. Vertical datum: North Atlantic Vertical Datum of 1988 (NAVD88).
6. Coordinates for some locations were not recorded in the field due to accessibility or poor global positioning system signal (e.g., under or near bridges). In those circumstances, locations were manually recorded and plotted, and the listed coordinates were extracted using geographic information system (GIS) software.
7. Elevation data were recorded as altitude using the Trimble DA2 receiver and then converted to NAVD88. Elevation data were not surveyed and should be considered as approximate.
8. Sediment probing was not conducted in November 2023 between T012 and T019 (access not granted by the property owner), between T30 and T32 (Highway 202 culvert confined space), and between T194 and T209 (Quintard Mall culvert confined space).
9. Supplemental sediment probing will be conducted at and around Phase 1 sediment probing locations where 6 or more inches of sediment were previously measured at individual probing points and that were not identified as sediment deposits (36 locations) to confirm that the Phase 1 measurements are not part of a larger accumulation of sediment.

--: not applicable; no data

*: probe locations that were manually recorded and plotted, and the listed coordinates were extracted using GIS (see Note 6)

◊: supplemental sediment probing location at and around Phase 1 sediment probing location (see Note 9)

ID: identification

NAVD88: North American Vertical Datum of 1988

Table 2
Phase 1 Sediment Deposit Summary

Sediment Deposit ID	Transect	Creek Area Designation	Figure Number	Sediment Deposit Description	Area (square yards)	Estimated Thickness (inches)	Estimated Volume (cubic yards)
T000-01	T000	Area 1	1a	Sand, aggrading bar	24	18	12
T000-02	T000	Area 1	1a	Sand and Cobbles with sand, aggrading bar	16	18	8
T000-03	T000	Area 1	1a	Sand, channel deposit	29	16	13
T000-04	T000	Area 1	1a	Cobbles and sand, aggrading bar	26	10	7
T001-01	T001	Area 1	1a	Sand and clay, bank deposit	102	18	51
T003-01	T003	Area 1	1a	Clay with sand and silt, bank deposit	3	20	1
T004-01	T004	Area 1	1a	Clay, railroad tie, aggrading bar	41	8	9
T005-01	T005	Area 1	1a	Clay, aggrading bar	19	19	10
T005-02	T005	Area 1	1a	Clay, aggrading bar	82	15	34
T006-01	T006	Area 1	1a	Clay with fines, aggrading bar	7	15	3
T007-01	T007	Area 1	1a	Clay with gravel, railroad ties and tires, aggrading bar	73	17	35
T008-01	T008	Area 1	1a	Fines with sand and gravel, bank deposit	8	8	2
T008-02	T008	Area 1	1a	Clay over gravel, debris present, aggrading bar	13	17	6
T008-03	T008	Area 1	1b	Fines with sand and gravel, bank deposit	98	27	72
T009-01	T009	Area 1	1b	Fines with sand and gravel, bank deposit	76	11	22
T019-01	T019	Area 1	1c	Cobbles with sand and gravel, riprap, channel deposit	68	6	11
T025-01	T025	Area 2	1d	Sand with gravel, railroad tie along bank, aggrading bar	36	36	36
T029-01	T029	Area 2	1d	Sand with fines and cobbles, aggrading bar (deposit extends into Highway 202 culvert)	168	36	168
T033-01	T033	Area 2	1e	Sand with fines and gravel, channel deposit (deposit extends into Highway 202 culvert)	115	26	84
T033-02	T033	Area 2	1e	Fines and sand with cobbles, bank deposit	39	11	12
T034-01	T034	Area 2	1e	Sand with some fines, bank deposit	66	9	17
T036-01	T036	Area 2	1e	Sands with fines, downed tree in deposit, channel deposit	16	5	2
T037-01	T037	Area 2	1e	Cobbles with sand gravel, bank deposit	9	11	3
T039-01	T039	Area 2	1f	Clay and fines, aggrading bar	134	25	94
T040-01	T040	Area 2	1f	Gravel with sand and clay, manhole in deposit, aggrading bar	58	12	19
T041-01	T041	Area 2	1f	Sand with gravel, aggrading bar	90	12	30
T045-01	T045	Area 2	1g	Clay with fines, bank deposit	40	10	11
T047-01	T047	Area 2	1g	Sand, channel deposit	6	8	1
T047-02	T047	Area 2	1g	Sand, channel deposit	4	10	1
T048-01	T048	Area 2	1g	Sand over clay, debris, channel deposit	42	11	12
T050-01	T050	Area 2	1g	Sands with fines, bank deposit	17	32	15
T051-01	T051	Area 3	1g	Gravelly sand and cobbles, channel deposit	5	4	1
T051-02	T051	Area 3	1g	Sand, aggrading bar	118	10	33
T055-01	T055	Area 3	1h	Sand and cobbles, channel deposit	16	6	3
T064-01	T064	Area 3	1i	Sand with gravel over concrete, concrete debris, channel deposit	18	5	2
T064-02	T064	Area 3	1i	Sand with gravel over concrete, channel deposit	154	5	23
T076-01	T076	Area 4	1k	Fines and debris, bank deposit	6	12	2
T101-01	T101	Area 4	1n	Sand with gravel, bank deposit	51	10	14
T107-01	T107	Area 4	1o	Silty sand with cobbles, downed tree, bank deposit	74	12	25
T109-01	T109	Area 4	1o	Fines and clay, bank deposit	22	7	4
T119-01	T119	Area 5A	1q	Sand over fines, bank deposit	15	7	3
T123-01	T123	Area 5A	1q	Sand with gravel and cobbles, bank deposit	69	5	9
T125-01	T125	Area 5A	1r	Fines with cobbles and sand, bank deposit	35	8	8
T127-01	T127	Area 5A	1r	Sand with fines, bank deposit	17	13	6
T133-01	T133	Area 5A	1s	Sands with fines, bank deposit	5	7	1

Table 2
Phase 1 Sediment Deposit Summary

Sediment Deposit ID	Transect	Creek Area Designation	Figure Number	Sediment Deposit Description	Area (square yards)	Estimated Thickness (inches)	Estimated Volume (cubic yards)
T134-01	T134	Area 5A	1s	Fines, bank deposit	5	14	2
T134-02	T134	Area 5A	1s	Fines, aggrading bar	56	36	56
T136-01 [4]	T136	Area 5A	1s	Sand and gravel, deposit extends under bridge, aggrading bar	38	24	25
T137-01	T137	Area 5A	1s	Sand with gravel, aggrading bar	9	12	3
T137-02 [4]	T137	Area 5A	1s	Cobbles with sand and gravel, aggrading bar	38	6	6
T138-01	T138	Area 5A	1s	Gravels with cobbles and sand, bank deposit	111	15	46
T139-01	T139	Area 5A	1s	Cobbles with sand and gravel, channel deposit	143	16	62
T145-01	T145	Area 5A	1t	Cobbles with sand and gravel, bank deposit	89	9	21
T149-01	T149	Area 5A	1u	Sand and cobbles with gravel, bank deposit	215	11	66
T155-01 [5]	T155	Area 5A	1v	Sands and gravel, bank deposit	147	6	25
T155-02	T155	Area 5A	1v	Cobbles with sand and gravel, bank deposit	226	12	73
T160-01 [4]	T160	Area 5A	1v	Cobbles with sand and gravel, bank deposit	67	4	7
T160-02 [4]	T160	Area 5A	1v	Cobbles with sand and gravel, bank deposit	58	18	29
T160-03	T160	Area 5A	1v	Cobbles with sand and gravel, channel deposit	16	18	8
T161-01	T161	Area 5A	1v	Cobbles with sand and gravel, channel deposit	46	15	19
T161-02	T161	Area 5A	1w	Sand with cobbles and gravel, bank deposit	1,889	21	1076
T166-01	T166	Area 5A	1w, 1x	Fines over cobbles and sand, bank deposit	546	17	258
T170-01 [4]	T170	Area 5A	1x	Fines, bank deposit	202	15	84
T170-02 [4]	T170	Area 5A	1x	Fines and cobbles, bank deposit	43	20	24
T171-01	T171	Area 5A	1x	Clay and fines, bank deposit	126	14	49
T172-01	T172	Area 5A	1x	Fines with sand and cobbles, bank deposit	65	14	24
T174-01	T174	Area 5A	1x	Cobbles with sand, bank deposit	42	5	5
T174-02	T174	Area 5A	1x	Cobbles with sand, channel deposit	29	8	7
T174-03	T174	Area 5A	1x	Cobbles with sand, bank deposit	73	6	12
T180-01	T180	Area 5A	1y	Gravel with sand and cobbles, bank deposit	453	7	88
T188-01	T188	Area 5A	1z	Sand and gravel, channel deposit	32	22	19
T190-01	T190	Area 5A	1z	Sand with gravel, bank deposit	57	19	30
T209-01	T209	Area 5C	1cc	Sand with cobbles and gravel, aggrading bar	43	8	10
T210-01	T210	Area 5C	1cc	Sand and gravel with cobbles, aggrading bar	75	12	24

Notes:

1. The sediment deposits summarized in this table are based on Phase 1 sediment probing conducted during November 2023.

2. As described in Section 3.3.2.2 of the June 2022 OU-1/OU-2 Predesign Investigation Work Plan, depositional areas with sediment penetrable with the probe rod by at least 4 inches and were at least 50 square feet in area were considered sediment deposits.

3. Figures 1a through 1cc show the locations and extents of the sediment deposits identified during the Phase 1 probing.

4. Sediment deposits T136-01 and T137-02 (Figure 1s), T160-01 and T160-02 (Figure 1v), and T170-01 and T170-02 (Figure 1x) were each designated as individual sediment deposits during the Phase 1 field mapping; these adjacent deposits represent a single contiguous sediment deposit and will be characterized together during the Phase 2 sampling program.

5. At Transect T155, a sediment deposit was observed along the western bank, but it was inaccessible due to dense underbrush. The size and location of this deposit appeared to be similar to deposit S-5-09 identified during the 1999 RFI. As such, sediment deposit T155-01 was not fully delineated in November 2023 and the extents shown on Figure 1v are based on the same extent of deposit S-5-09.

ID: identification
OU: Operable Unit

Table 3
Snow Creek Sediment Characterization Areas

Snow Creek Area Designation	Transect Range	General Description	Phase 1 Sediment Deposits	Estimated Total Sediment Volume (cubic yards)
1	T00 to T25	From the 11th Street Ditch to West 9th Street Bridge	16	297
2	T25 to T51	From the West 9th Street Bridge to the Railroad Bridge at the southwest corner of Calhoun County Jail	15	507
3	T51 to T70	From the southwest corner of Calhoun County Jail to the end of the concrete spillway	5	61
4	T70 to T110	From the end of the concrete spillway to downstream of the Sandy Lumber Company property	4	45
5A[1]	T110 to T194	From downstream of the Sandy Lumber Company property to upstream of Quintard Mall culvert	29	2,152
5B[1]	T194 to T209	Quintard Mall culvert	NA	NA
5C[1]	T209 to T210	From downstream of the Quintard Mall culvert to Highway 78	2	33

Note:

1. Area 5 was segmented into three separate subreaches to avoid confusion with Area 6, which was characterized as part of the 1999 Resource Conservation and Recovery Act Facility Investigation and is located in OU-4 downstream of Highway 78.

NA: not assessed during Phase 1

Table 4
Phase 1 Reconnaissance Observations

Observation ID	Creek Area Designation	Transect ID	Figure Number	Date	Easting	Northing	Observation Description
X-3-1	Area 1	T003-00	1a	2023-11-06	652959.9	1148849.6	Metal Pipe (12-inch), Spanning Creek, West Bank
X-3-2	Area 1	T003-00	1a	2023-11-06	652965.4	1148873.3	Metal Pipe (12-inch), Spanning Creek, East Bank
X-5-1	Area 1	T005-00	1a	2023-11-07	653120.8	1148769.6	Former Wooden Bridge Abutment, East Bank
X-5-2	Area 1	T005-00	1a	2023-11-07	653139.6	1148737.8	Slope Failure, West Bank
X-6-1	Area 1	T006-00	1a	2023-11-07	653210.0	1148757.6	Collapsed Bank, Debris Pile
X-24-1	Area 1	T024-00	1d	2023-11-07	654748.6	1148190.7	Concrete Pad (23-inch square), West Bank
X-24-2	Area 1	T024-00	1d	2023-11-07	654774.5	1148169.9	Concrete Manhole, West Bank
X-24-3	Area 1	T024-00	1d	2023-11-07	654808.4	1148178.2	Two Metal Culverts (40-inch) beneath Railroad Embankment, East Bank
X-26-1	Area 2	T026-00	1d	2023-11-08	654870.3	1148001.1	Foundry Slag
X-33-1	Area 2	T033-00	1e	2023-11-13	654955.7	1147415.9	Southern Embankment of Highway 202
X-36-1	Area 2	T036-00	1e	2023-11-08	654918.7	1147005.9	Drainage Swale (Natural), West Bank
X-39-1	Area 2	T039-00	1f	2023-11-08	655014.1	1146806.2	Debris Pile
X-39-2	Area 2	T039-00	1f	2023-11-08	655045.0	1146836.4	Pipe (24-inch), East Bank
X-40-1	Area 2	T040-00	1f	2023-11-08	655102.7	1146765.6	Slope Sloughing, West Bank
X-45-1	Area 2	T045-00	1f	2023-11-09	655571.2	1146595.4	Metal Outfall Pipe (24-inch), East Bank
X-46-1	Area 2	T046-00	1g	2023-11-09	655692.2	1146483.7	Concrete Outfall Pipe (24-inch), West Bank
X-46-2	Area 2	T046-00	1g	2023-11-09	655695.2	1146512.9	Concrete Manhole, East Bank
X-46-3	Area 2	T046-00	1g	2023-11-09	655699.2	1146505.1	Concrete Weir (30-inch), Spanning Creek, East Bank
X-46-4	Area 2	T046-00	1g	2023-11-09	655701.5	1146485.0	Concrete Weir (30-inch), Spanning Creek, West Bank
X-47-1	Area 2	T047-00	1g	2023-11-09	655700.5	1146474.9	Concrete Manhole, West Bank
X-48-1	Area 2	T048-00	1g	2023-11-09	655870.1	1146386.4	Drums Staged at top of West Bank
X-53-1	Area 3	T053-00	1h	2023-11-09	656324.5	1146207.3	Abandoned Inflow structure in Concrete Wall (24-inch) (filled with concrete)
X-53-2	Area 3	T053-00	1h	2023-11-09	656541.1	1146093.3	Debris under Bridge
X-57-1	Area 3	T057-00	1h	2023-11-10	656653.1	1146048.8	Tributary Entrance along East Bank
X-60-1	Area 3	T060-00	1h	2023-11-10	656687.4	1145770.0	Metal Pipe Outfall (20-inch) in Concrete Wall, West Bank
X-66-1	Area 3	T066-00	1i	2023-11-10	656814.8	1145223.1	Metal Pipe (12-inch) in Concrete Wall, West Bank
X-66-2	Area 3	T066-00	1i	2023-11-10	656826.5	1145179.6	Two Concrete Outfall Pipes (36-inch) in Concrete Wall, West Bank
X-66-3	Area 3	T066-00	1i	2023-11-10	656830.1	1145165.8	Cast Iron Pipe (10-inch) in Concrete Wall, West Bank
X-66-4	Area 3	T066-00	1i	2023-11-10	656844.9	1145200.0	Ceramic Pipe (12-inch) in Concrete Wall, East Bank
X-73-1	Area 4	T073-00	1j	2023-11-20	656937.6	1144563.5	Two Concrete Pipes (36-inch), West Bank
X-75-1	Area 4	T075-00	1k	2023-11-20	657014.8	1144339.2	Two Steel Pipes (36-inch), East Bank
X-76-1	Area 4	T076-00	1k	2023-11-20	657000.7	1144244.4	Concrete Pipe (12-inch), West Bank
X-77-1	Area 4	T077-00	1k	2023-11-20	657034.2	1144127.0	Debris Pile, Downed Tree
X-77-2	Area 4	T077-00	1k	2023-11-20	657046.4	1144115.8	Metal Pipe (1-foot), Downed Tree, East Bank
X-81-1	Area 4	T081-00	1k	2023-11-20	657110.1	1143730.9	Square Culvert/Inlet (Concrete and Metal), Noticeable Sheen In and Around Culvert, East Bank
X-98-1	Area 4	T098-00	1n	2023-11-20	657374.3	1142086.5	Concrete Manhole, West Bank
X-98-2	Area 4	T098-00	1n	2023-11-20	657403.6	1142089.9	Concrete and Brick Manhole, East Bank
X-100-1	Area 4	T100-00	1n	2023-11-20	657394.1	1141899.6	Corrugated Steel Culvert Pipe (48-inch), West Bank
X-114-1	Area 5	T114-00	1p	2023-11-13	657520.5	1140480.2	Chunk of Concrete (3-foot)
X-121-1	Area 5	T121-00	1q	2023-11-13	657443.4	1139810.5	Concrete Slab, West Bank
X-126-1	Area 5	T126-00	1r	2023-11-13	657378.5	1139270.2	PVC Pipe (4-inch), West Bank
X-128-1	Area 5	T128-00	1r	2023-11-13	657364.3	1139072.0	Unlined Swale, West Bank

Table 4
Phase 1 Reconnaissance Observations

Observation ID	Creek Area Designation	Transect ID	Figure Number	Date	Easting	Northing	Observation Description
X-131-1	Area 5	T131-00	1r	2023-11-13	657336.5	1138830.2	Concrete Outfall Pipe (42-inch), West Bank
X-134-1	Area 5	T134-00	1s	2023-11-13	657311.1	1138560.5	Metal Pipe (3-inch), West Bank
X-134-2	Area 5	T134-00	1s	2023-11-13	657312.2	1138566.9	Concrete Outfall Pipe (2-foot) along West Bank
X-141-1	Area 5	T141-00	1t	2023-11-15	657659.9	1137955.9	Concrete Culvert/Inlet Structure (5 feet by 10 feet), East Bank
X-144-1	Area 5	T144-00	1t	2023-11-15	657741.3	1137706.9	Concrete Culvert/Inlet Structure (4 feet by 5 feet), East Bank
X-146-1	Area 5	T146-00	1t	2023-11-15	657724.7	1137487.9	Cast Iron Pipe (12-inch) Spanning Creek
X-151-1	Area 5	T151-00	1u	2023-11-15	657608.0	1137002.3	Metal Pipe (10-inch) Extending from Top of East Bank
X-152-1	Area 5	T152-00	1u	2023-11-15	657558.5	1136975.3	Iron Pipe (10-inch) Extending down West Bank
X-153-1	Area 5	T153-00	1u	2023-11-15	657552.5	1136861.0	Steel Pipe (10-inch) Extending from Top of East Bank
X-160-1	Area 5	T160-00	1v	2023-11-21	657217.4	1136211.1	Soil Pile
X-162-1	Area 5	T162-00	1w	2023-11-14	657177.8	1136029.0	Stone Wall with Metal Outfall Pipe, West Bank
X-162-2	Area 5	T162-00	1w	2023-11-14	657182.7	1136038.0	Stone Wall with Metal Outfall Pipe (6-inch), West Bank
X-162-3	Area 5	T162-00	1w	2023-11-14	657187.0	1136057.2	Stone Wall with Metal Outfall Pipe (10-inch), West Bank
X-164-1	Area 5	T164-00	1w	2023-11-14	657232.0	1135831.8	Unlined Swale, East Bank
X-173-1	Area 5	T173-00	1x	2023-11-14	657604.2	1135047.2	Concrete Bell-Spigot Piping (24-inch) along Western Shore, Partially Buried, Partially Separated
X-184-1	Area 5	T184-00	1z	2023-11-14	658203.7	1134134.8	Concrete Outfall Pipe (30-inch), West Bank
X-209-1	Area 5c	T209-00	1cc	2023-11-16	658847.5	1131863.3	Concrete Pipe (24-inch), Spanning Creek
X-209-2	Area 5c	T209-00	1cc	2023-11-16	658889.3	1131883.5	Concrete Pipe (24-inch), Spanning Creek

Notes:

1. The items summarized in this table are based on field reconnaissance observations during the Phase 1 sediment probing conducted in November 2023.
2. Figures 1a through 1cc show the documented locations of the field reconnaissance observations identified during the Phase 1 probing.

Table 5
Proposed Phase 2 Sediment Sampling

Phase 2 Sample ID	Sample Type	Sample Location	Transect	Figure Number	Snow Creek Area Designation	Analytical Parameters[3]
SED-101	Full-depth grab sample	Deposit T000-01	T000	2a	Area 1	PCBs
SED-102	Full-depth grab sample	Deposit T000-02	T000	2a		
SED-103	Full-depth grab sample	Deposit T000-03	T000	2a		
SED-104	Full-depth grab sample	Deposit T000-04	T000	2a		
SED-105	Composite sample from five full-depth subsamples	Deposit T001-01	T001	2a		
SED-106	Composite sample from full-depth subsamples collected from Deposits T003-01 (SED-106A) and T006-01 (SED-106B)	Deposit T003-01	T003	2a		
		Deposit T006-01	T006	2a		
SED-107	Full-depth grab sample	Deposit T004-01	T004	2a		
SED-108	Full-depth grab sample	Deposit T005-01	T005	2a		
SED-109	Full-depth grab sample	Deposit T005-02	T005	2a		
SED-110	Full-depth grab sample	Deposit T007-01	T007	2a		
SED-111	Full-depth grab sample	Deposit T008-01	T008	2a		
SED-112	Full-depth grab sample	Deposit T008-02	T008	2a		
SED-113	Composite sample from five full-depth subsamples	Deposit T008-03	T008	2b		
SED-114	Full-depth grab sample	Deposit T009-01	T009	2b		
SED-115	Full-depth grab sample	Deposit T019-01	T019	2c		
SED-201	Full-depth grab sample	Deposit T025-01	T025	2d	Area 2	PCBs
SED-202	Composite sample from five full-depth subsamples	Deposit T029-01	T029	2d		
SED-203	Composite sample from five full-depth subsamples	Highway 202 Culvert	T031	2e		
SED-204	Composite sample from five full-depth subsamples		T031	2e		
SED-205	Composite sample from five full-depth subsamples		T031	2e		
SED-206	Composite sample from five full-depth subsamples		T031	2e		
SED-207	Composite sample from five full-depth subsamples		T031	2e		
SED-208	Composite sample from five full-depth subsamples	Deposit T033-01	T033	2e		
SED-209	Full-depth grab sample	Deposit T033-02	T033	2e		
SED-210	Full-depth grab sample	Deposit T034-01	T034	2e		
SED-211	Composite sample from full-depth subsamples collected from Deposits T036-01 (SED-211A) and T037-01 (SED-211B)	Deposit T036-01	T036	2e		
		Deposit T037-01	T037	2e		
SED-212	Composite sample from five full-depth subsamples	Deposit T039-01	T039	2f		
SED-213	Full-depth grab sample	Deposit T040-01	T040	2f		
SED-214	Full-depth grab sample	Deposit T041-01	T041	2f		
SED-215	Full-depth grab sample	Deposit T045-01	T045	2g		
SED-216	Composite sample from full-depth subsamples collected from Deposits T047-01 (SED-216A) and T047-02 (SED-216B)	Deposit T047-01	T047	2g		
		Deposit T047-02	T047	2g		
SED-217	Full-depth grab sample	Deposit T048-01	T048	2g		
SED-218	Full-depth grab sample	Deposit T050-01	T050	2g	Area 3	PCBs
SED-301	Full-depth grab sample	Deposit T051-01	T051	2g		
SED-302	Full-depth grab sample	Deposit T051-02	T051	2g		
SED-303	Full-depth grab sample	Deposit T055-01	T055	2h		
SED-304	Full-depth grab sample	Deposit T064-01	T064	2i		
SED-305	Full-depth grab sample	Deposit T064-02	T064	2i		

Table 5
Proposed Phase 2 Sediment Sampling

Phase 2 Sample ID	Sample Type	Sample Location	Transect	Figure Number	Snow Creek Area Designation	Analytical Parameters[3]
SED-401	Full-depth grab sample	Deposit T076-01	T076	2k	Area 4	PCBs
SED-402	Full-depth grab sample	Deposit T101-01	T101	2n		
SED-403	Full-depth grab sample	Deposit T107-01	T107	2o		
SED-404	Full-depth grab sample	Deposit T109-01	T109	2o		
SED-501	Full-depth grab sample	Deposit T119-01	T119	2q	Area 5A	PCBs
SED-502	Full-depth grab sample	Deposit T123-01	T123	2q		
SED-503	Full-depth grab sample	Deposit T125-01	T125	2r		
SED-504	Full-depth grab sample	Deposit T127-01	T127	2r		
SED-505	Composite sample from full-depth subsamples collected from Deposits T133-01 (SED-505A) and T134-01 (SED-505B)	Deposit T133-01	T133	2s		
		Deposit T134-01	T134	2s		
SED-506	Composite sample from five full-depth subsamples	Deposit T134-02	T134	2s		
SED-507	Composite sample from full-depth subsamples collected from Deposits T136-01 (SED-507A) and T137-02 (SED-507B)	Deposit T136-01	T136	2s		
		Deposit T137-02	T137	2s		
SED-508	Full-depth grab sample	Deposit T137-01	T137	2s		
SED-509	Composite sample from five full-depth subsamples	Deposit T138-01	T138	2s		
SED-510	Composite sample from five full-depth subsamples	Deposit T139-01	T139	2s		
SED-511	Full-depth grab sample	Deposit T145-01	T145	2t		
SED-512	Composite sample from five full-depth subsamples	Deposit T149-01	T149	2u		
SED-513	Full-depth grab sample	Deposit T155-01	T154	2v		
SED-514	Composite sample from five full-depth subsamples	Deposit T155-02	T155	2v		
SED-515	Composite sample from full-depth subsamples collected from Deposits T160-01 (SED-515A) and T160-02 (SED-515B)	Deposit T160-01	T160	2v		
		Deposit T160-02	T160	2v		
SED-516	Full-depth grab sample	Deposit T160-03	T160	2v	Area 5A	PCBs and Metals (Ba, Cr, Co, Pb, Mn, Hg, Ni, V)
SED-517	Full-depth grab sample	Deposit T161-01	T161	2v		
SED-518	Composite sample from five full-depth subsamples between T162 and T163	Deposit T161-02	T161	2w		
SED-519	Composite sample from five full-depth subsamples between T163 and T164			2w		
SED-520	Composite sample from five full-depth subsamples between T164 and T165			2w		
SED-521	Composite sample from five full-depth subsamples between T165 and T166			2w		
SED-522	Composite sample from five full-depth subsamples between T166 and T167			2w		
SED-523	Composite sample from five full-depth subsamples	Deposit T166-01	T166	2w		
SED-524	Composite sample from five full-depth subsamples	Deposit T170-01	T170	2x		
		Deposit T170-02	T170	2x		
SED-525	Composite sample from five full-depth subsamples	Deposit T171-01	T171	2x		
SED-526	Full-depth grab sample	Deposit T172-01	T172	2x		
SED-527	Full-depth grab sample	Deposit T174-01	T174	2x		
SED-528	Full-depth grab sample	Deposit T174-02	T174	2x		
SED-529	Full-depth grab sample	Deposit T174-03	T174	2x		
SED-530	Composite sample from five full-depth subsamples	Deposit T180-01	T180	2y		
SED-531	Full-depth grab sample	Deposit T188-01	T188	2z		
SED-532	Full-depth grab sample	Deposit T190-01	T190	2z		

Table 5
Proposed Phase 2 Sediment Sampling

Phase 2 Sample ID	Sample Type	Sample Location	Transect	Figure Number	Snow Creek Area Designation	Analytical Parameters[3]
SED-533	Composite sample from five full-depth subsamples between T195 and T200	Quintard Mall Culvert	T195	2aa	Area 5B	
SED-534	Composite sample from five full-depth subsamples between T200 and T205		T200	2bb		
SED-535	Composite sample from five full-depth subsamples between T205 and T209		T205	2cc		
SED-536	Full-depth grab sample	Deposit T209-01	T209	2cc	Area 5C	
SED-537	Full-depth grab sample	Deposit T210-01	T210	2cc		

Notes:

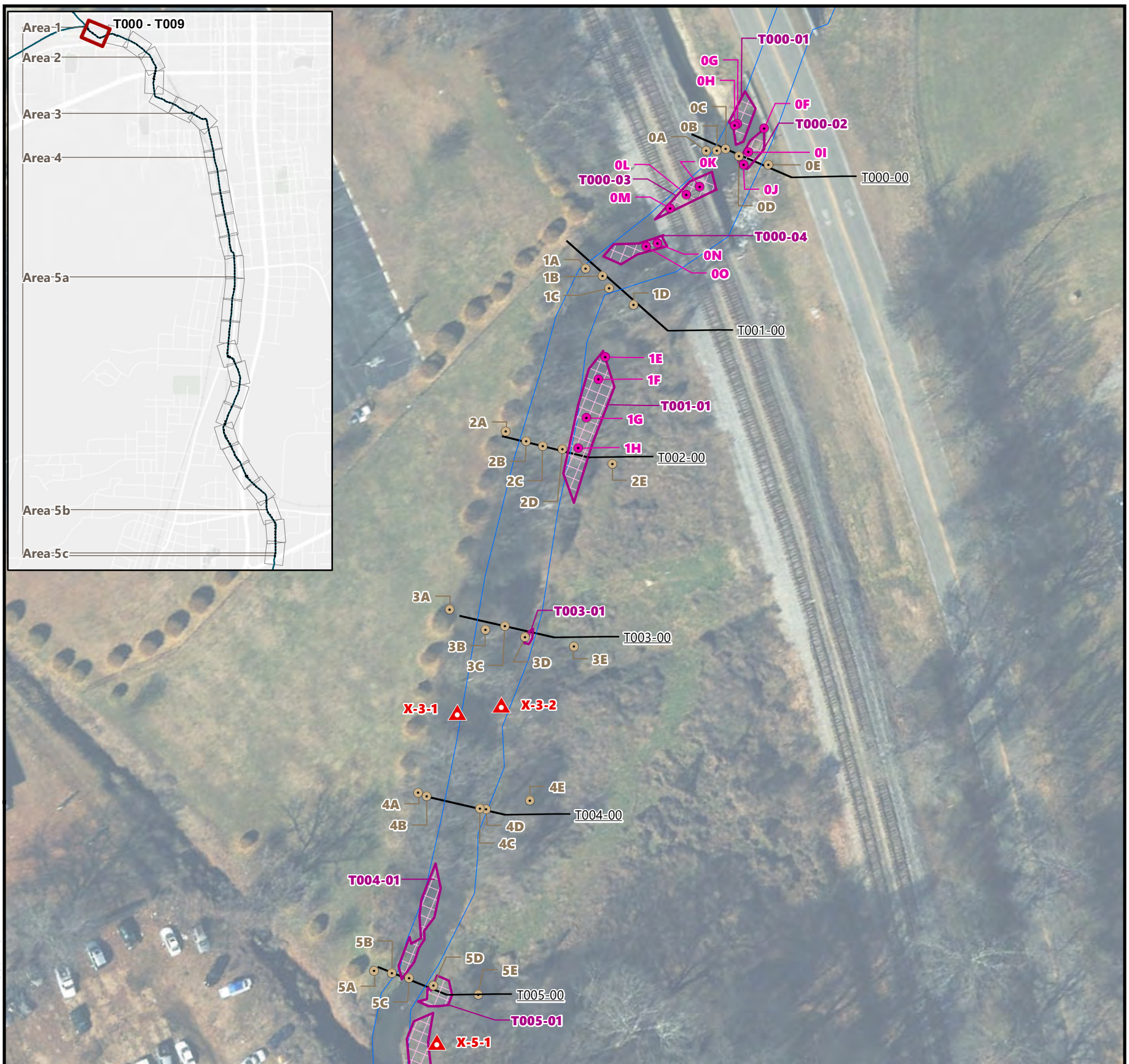
1. Phase 2 sediment sampling will be conducted as described in the June 2022 OU-1/OU-2 Predesign Investigation Work Plan (PDIWP).

2. Figures 2a through 2cc show the proposed sediment sampling locations.

3. As described in Section 3.3.2.2 of the PDIWP, sediment samples collected upstream of Transect 130 will be analyzed for polychlorinated biphenyls (PCBs) and sediment samples collected downstream of Transect 130 will be analyzed for barium (Ba), total chromium (Cr), cobalt (Co), lead (Pb), manganese (Mn), mercury (Hg), nickel (Ni), and vanadium (V). Each sediment sample will also be analyzed for total organic carbon, particle size, Atterberg limits (cohesive samples only, moisture

4. Additional sediment samples will also be collected from sediment deposits (if any) identified between T012 and T019 (depending on property access). The need for sediment sampling in this section of river will be determined based on sediment probing to be conducted in conjunction with the Phase 2 sediment sampling program if property access is granted.

FIGURES



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

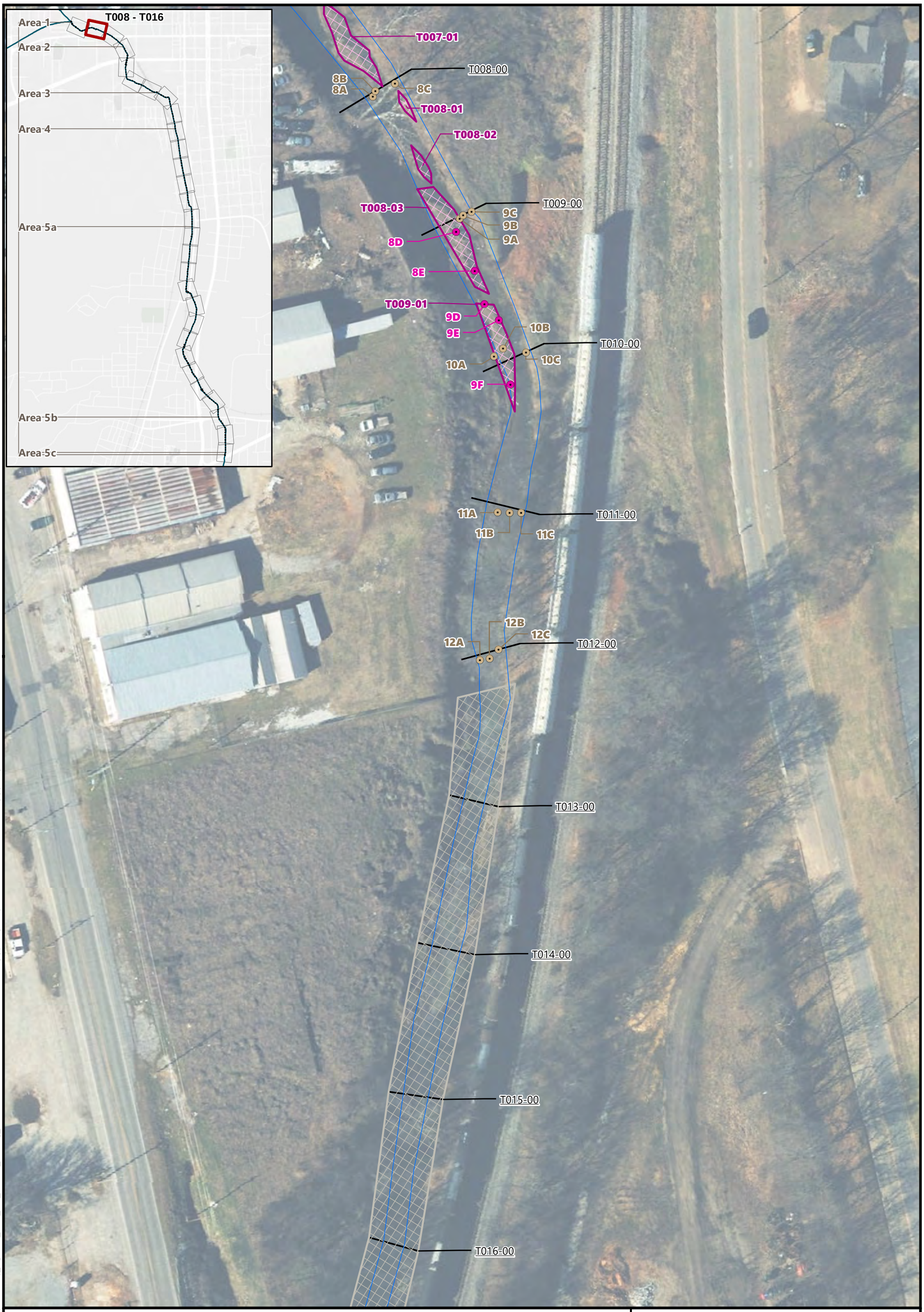
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T000 through T009

Solutia Ingenuity Productivity Performance

Figure 1a

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:44:35 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- No Access Area

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.
6. Phase 1 sediment probing was not conducted between T012 and T019 in November 2023 because property access was not granted by the landowner. If property access is granted, sediment probing will be conducted between T012 and T019 during the Phase 2 sediment sampling program.

PDI: predesign investigation

0 50 100 Feet

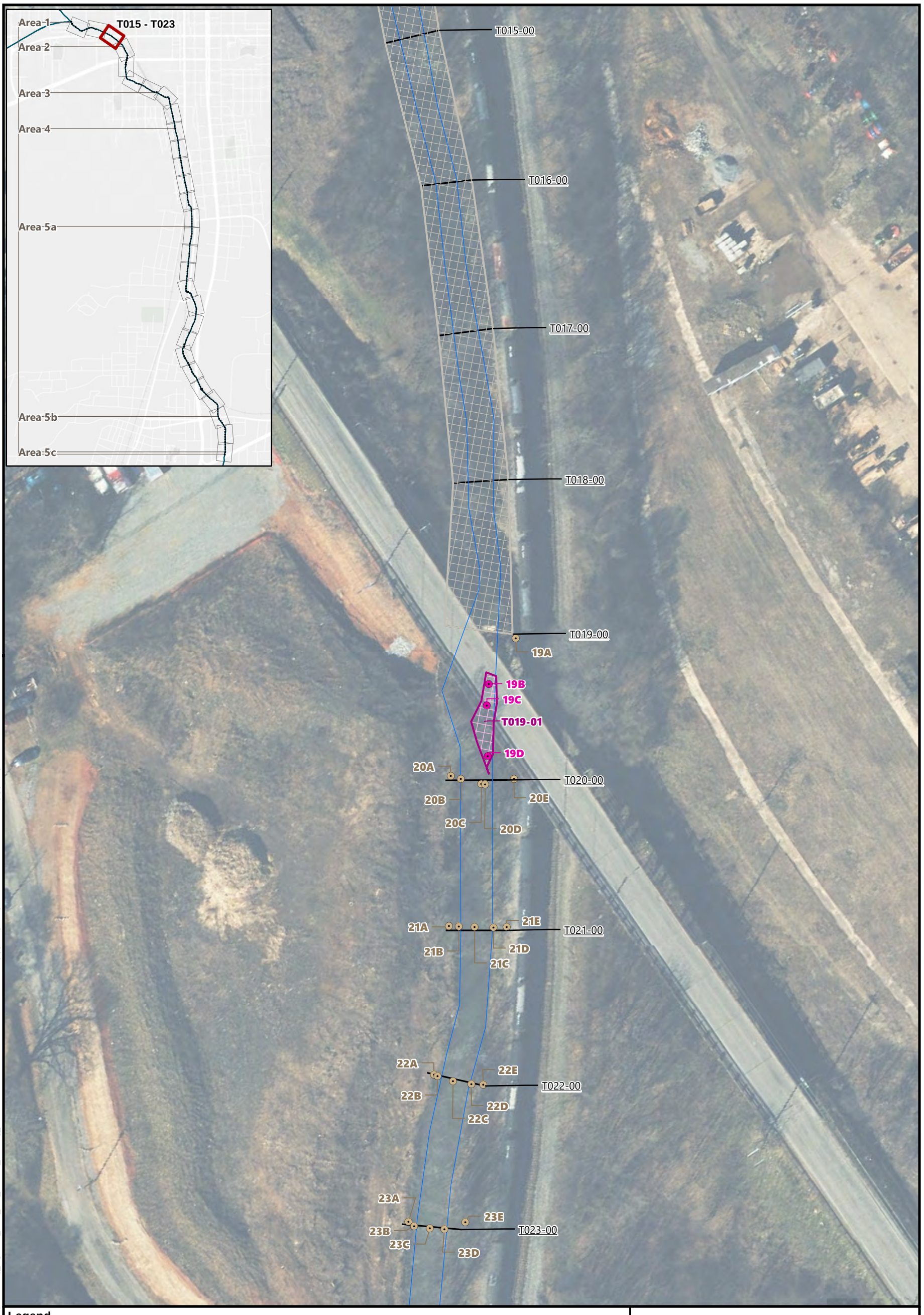
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T008 through T016

Solutia Ingenuity Productivity Performance

Figure 1b

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDIVAQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:44:44 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- No Access Area

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.
6. Phase 1 sediment probing was not conducted between T012 and T019 in November 2023 because property access was not granted by the landowner. If property access is granted, sediment probing will be conducted between T012 and T019 during the Phase 2 sediment sampling program.

PDI: predesign investigation

0 50 100 Feet

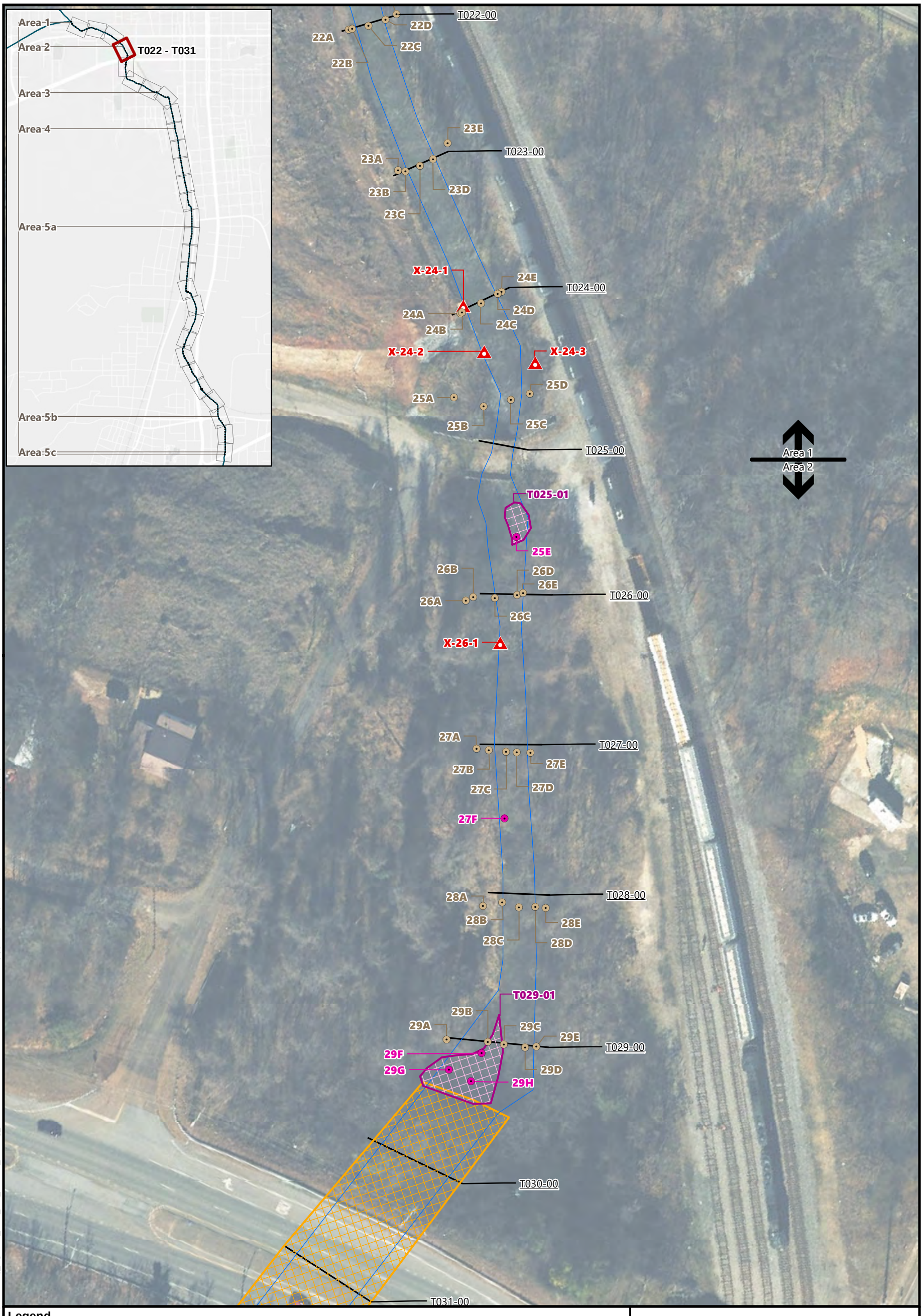
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T015 through T023

Solutia Ingenuity Productivity Performance

Figure 1c

File Path: \\GSTFILE01\gis\Jobs\Solutiainc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:44:52 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation
- Confined Space

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.
6. Phase 1 sediment probing was not conducted within the Highway 202 culvert confined space in November 2023. Sediment probing will be conducted within the Highway 202 culvert during the Phase 2 sediment sampling program.

PDI: predesign investigation

0 50 100 Feet

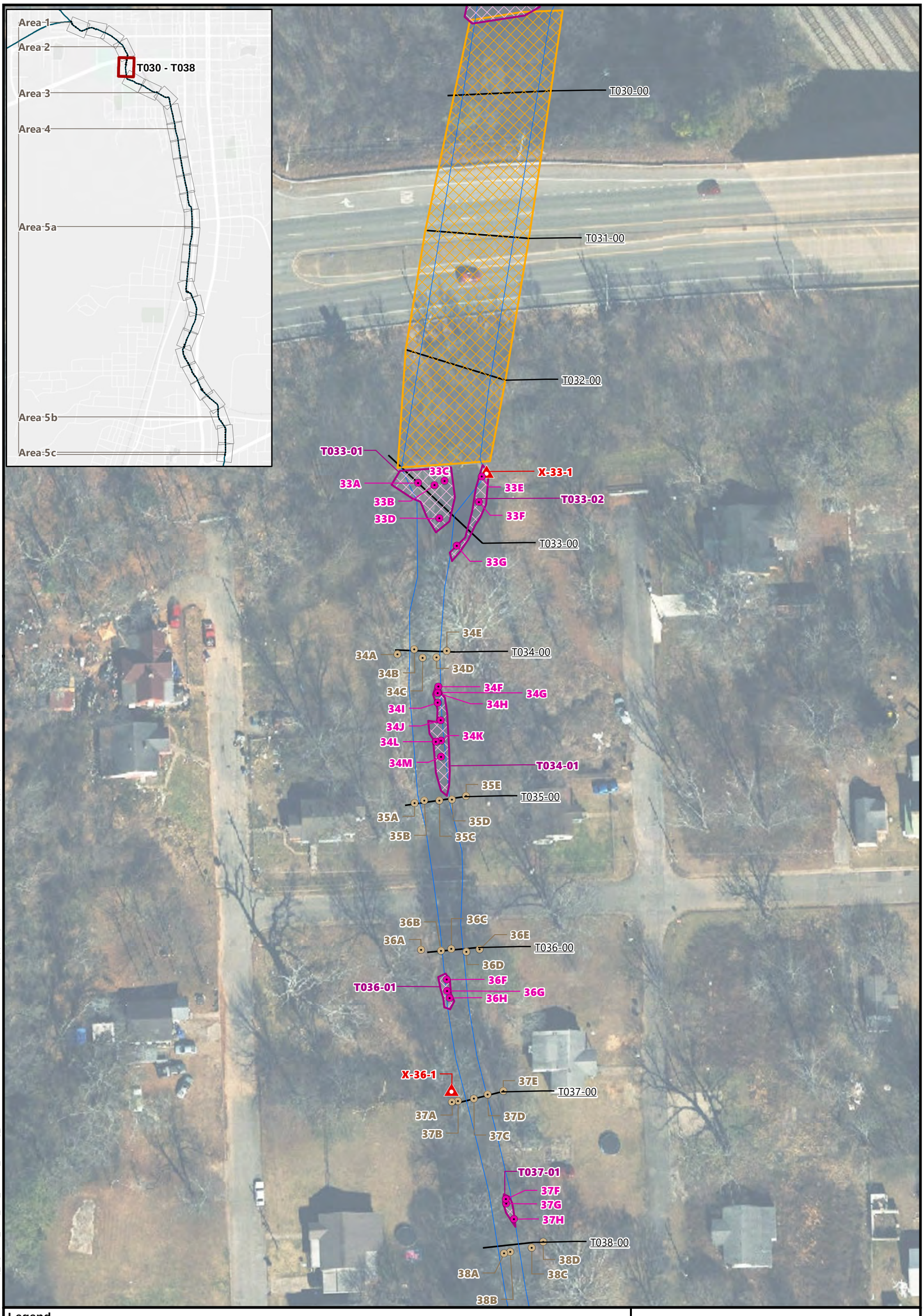
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T022 through T031

Solutia

Figure 1d

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:45:03 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation
- Confined Space

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.
6. Phase 1 sediment probing was not conducted within the Highway 202 culvert confined space in November 2023. Sediment probing will be conducted within the Highway 202 culvert during the Phase 2 sediment sampling program.

PDI: predesign investigation

0 50 100 Feet

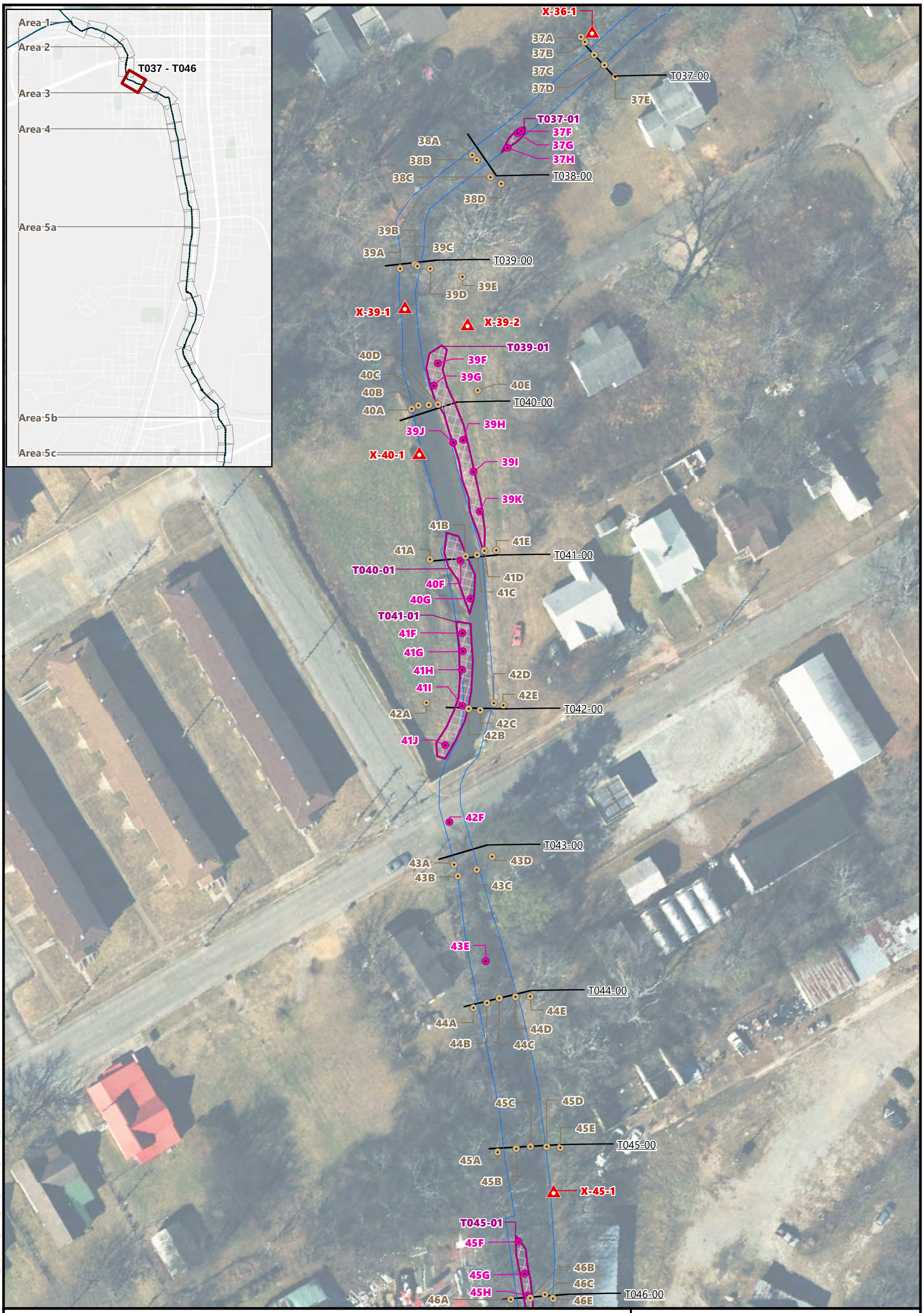
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T030 through T038

Solutia

Figure 1e

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:45:11 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

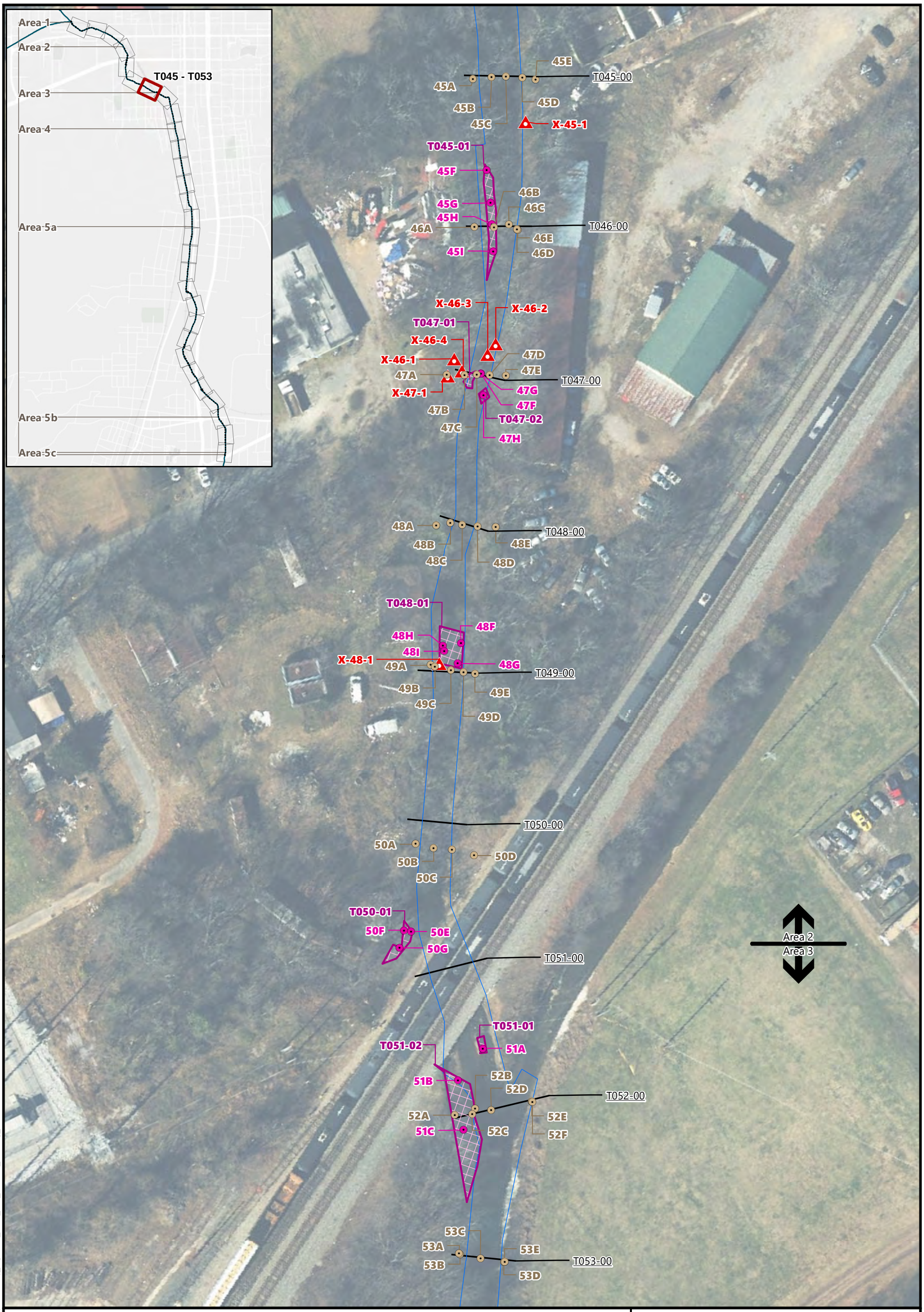
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T037 through T046

Solutia Ingenuity Productivity Performance

Figure 1f

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:45:19 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

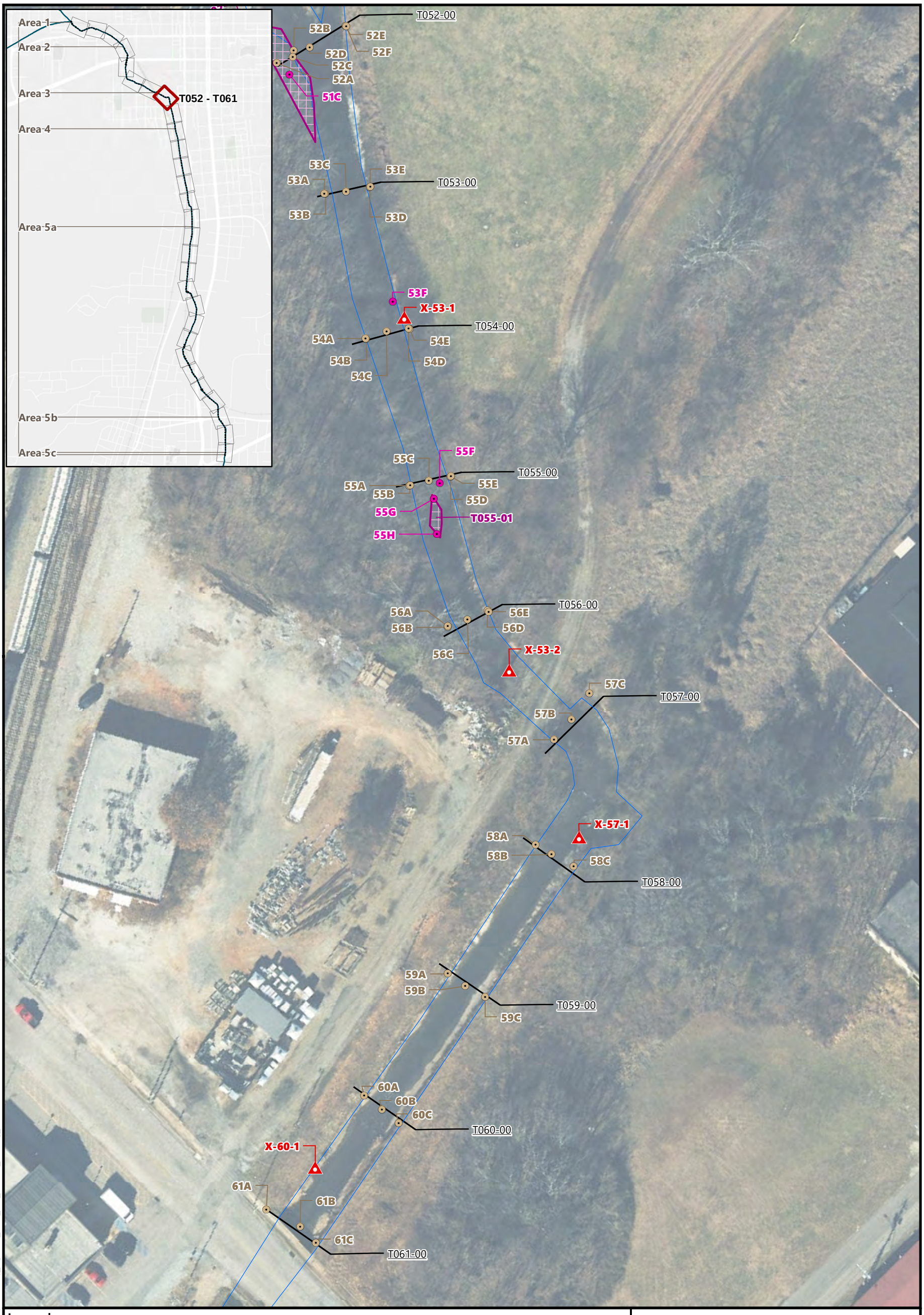
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T045 through T053

Solutia Ingenuity Productivity Performance

Figure 1g

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:45:27 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

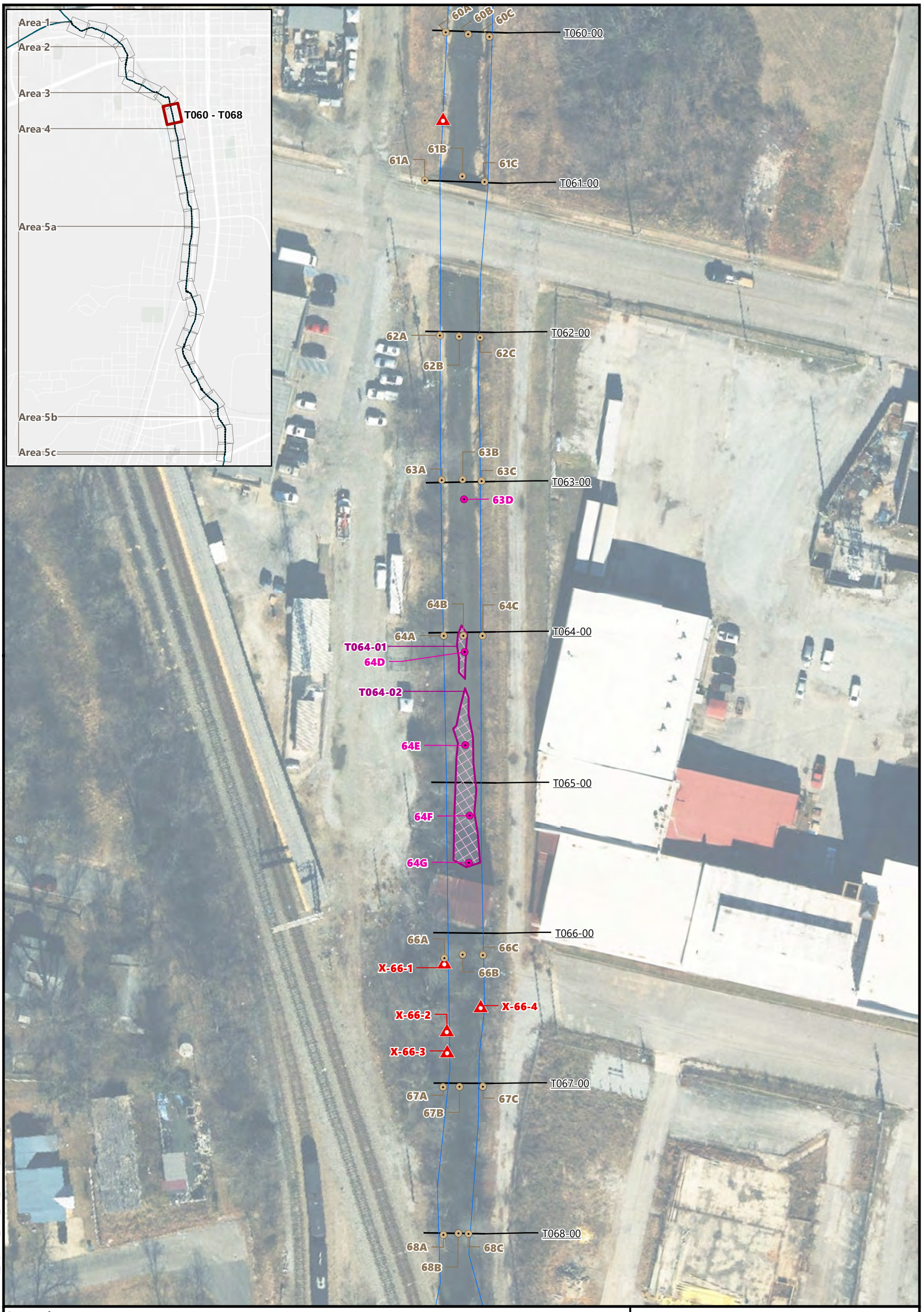
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T052 through T061

Solutia

Figure 1h

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:45:35 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T060 through T068

Solutia Ingenuity Productivity Performance

Figure 1i

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:45:44 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

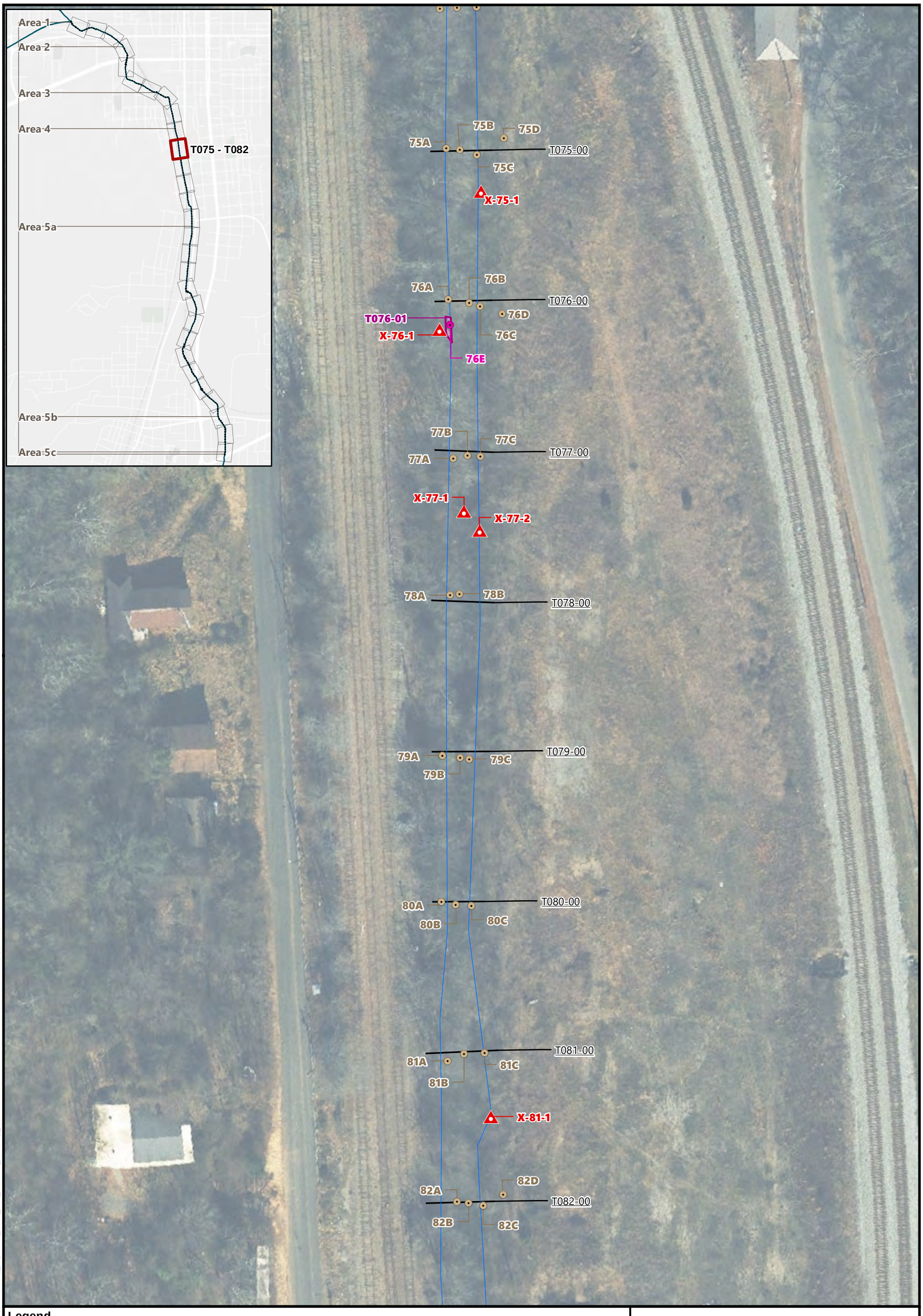
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T067 through T075

Solutia Ingenuity Productivity Performance

Figure 1j

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:45:51 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T075 through T082

Solutia Ingenuity Productivity Performance

Figure 1k

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:00 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T082 through T089

Solutia
Ingenuity Productivity Performance

Figure 1l

File Path: \\GST\FILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:09 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Transect Probe Location (November 2023)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

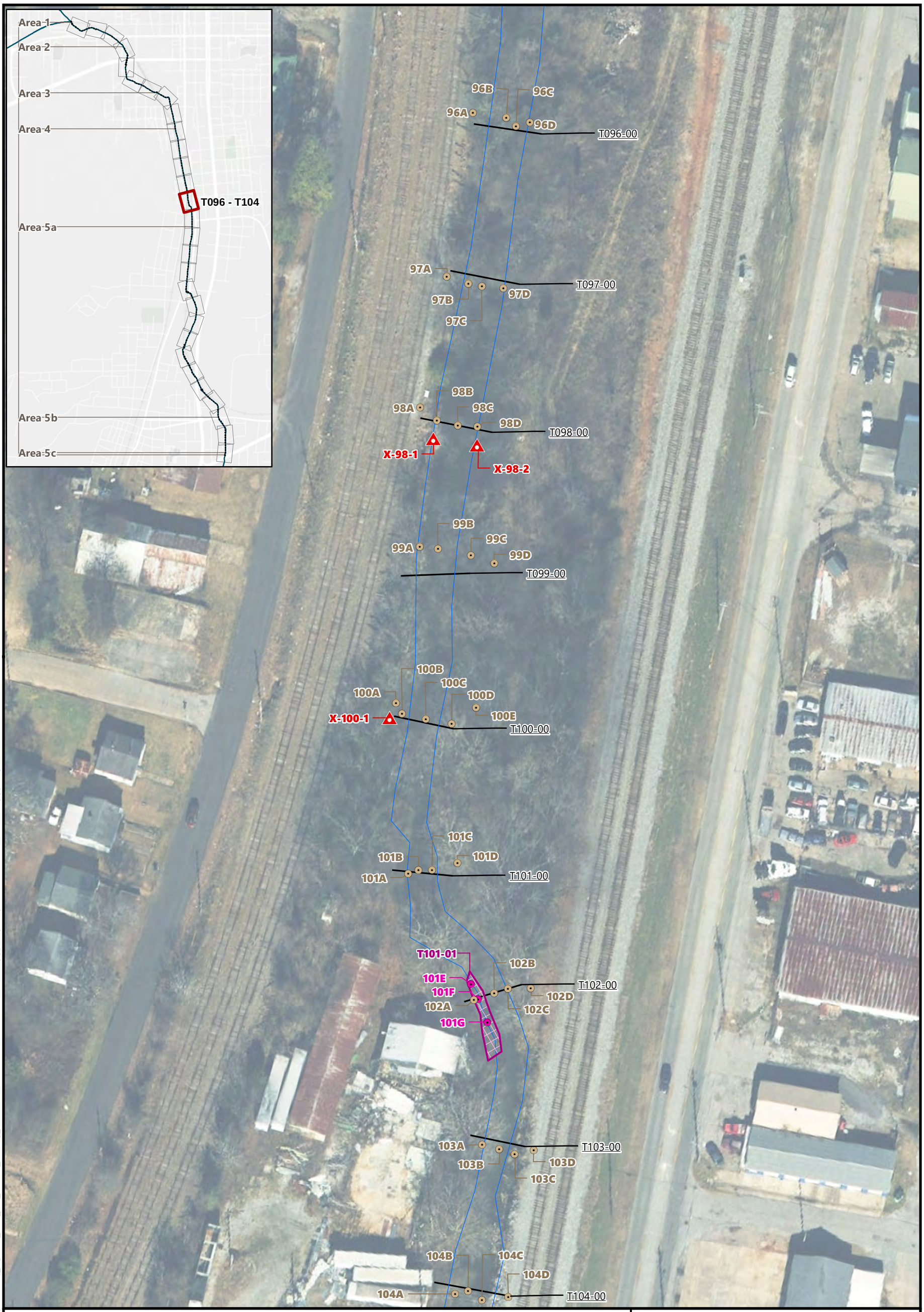
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T089 through T096

Solutia Ingenuity Productivity Performance

Figure 1m

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:15 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

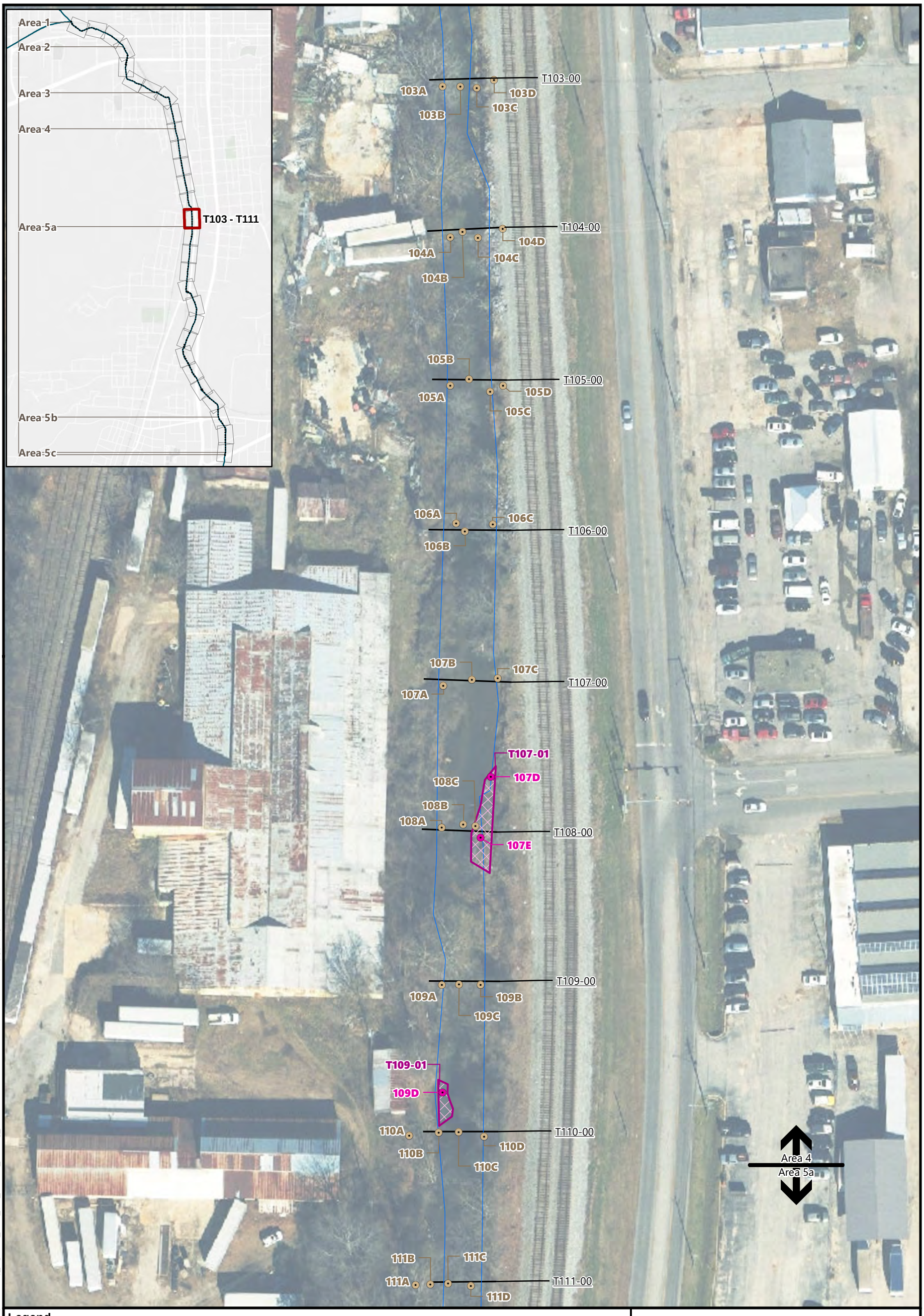
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T096 through T104

Solutia Ingenuity Productivity Performance

Figure 1n

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:22 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T103 through T111

Solutia Ingenuity Productivity Performance

Figure 1o

File Path: \\GSTFILE01\gisJobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:30 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

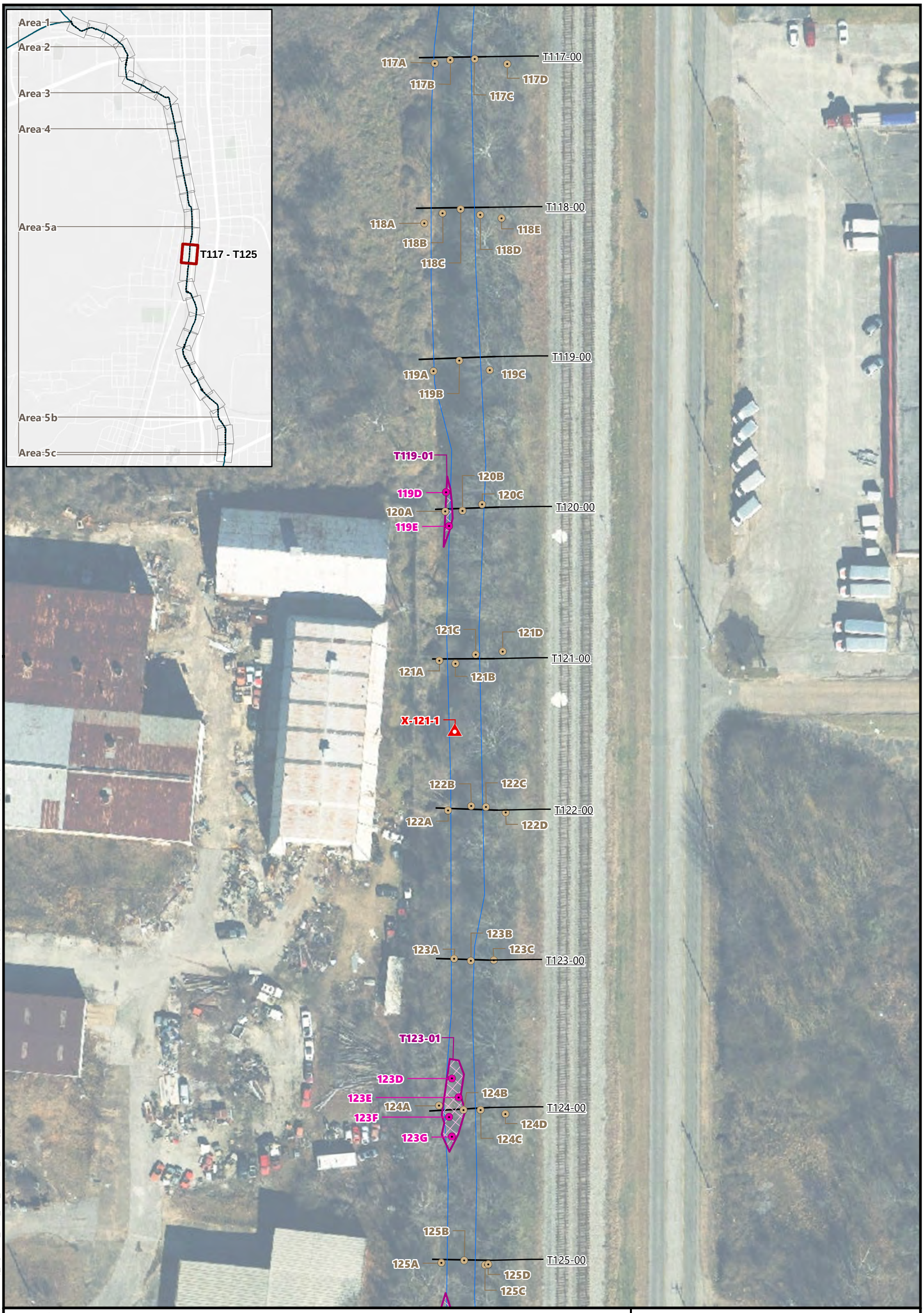
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T110 through T118

Solutia
Ingenuity Productivity Performance

Figure 1p

File Path: \\GST\FILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:37 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

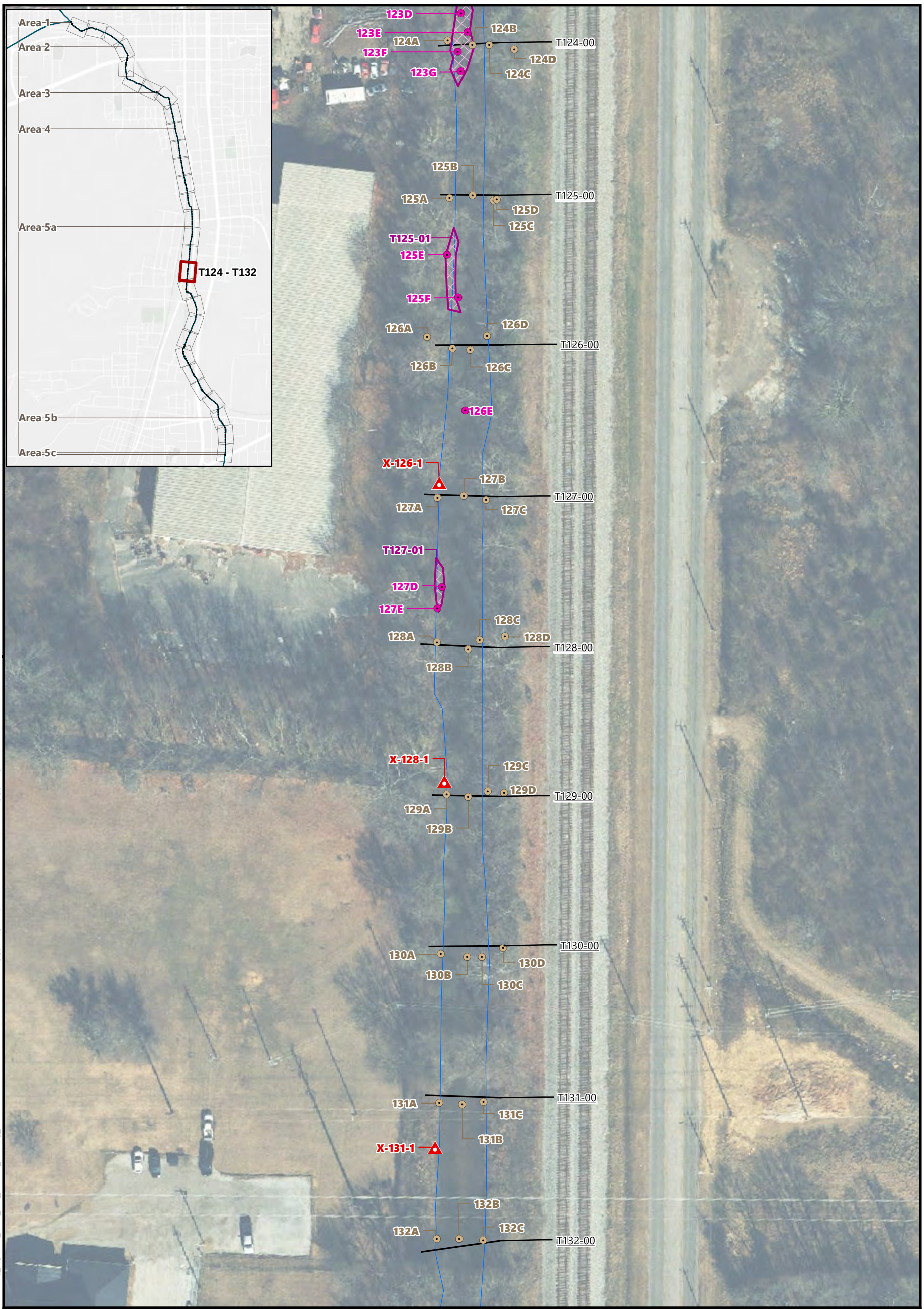
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T117 through T125

Solutia
Ingenuity Productivity Performance

Figure 1q

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:44 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

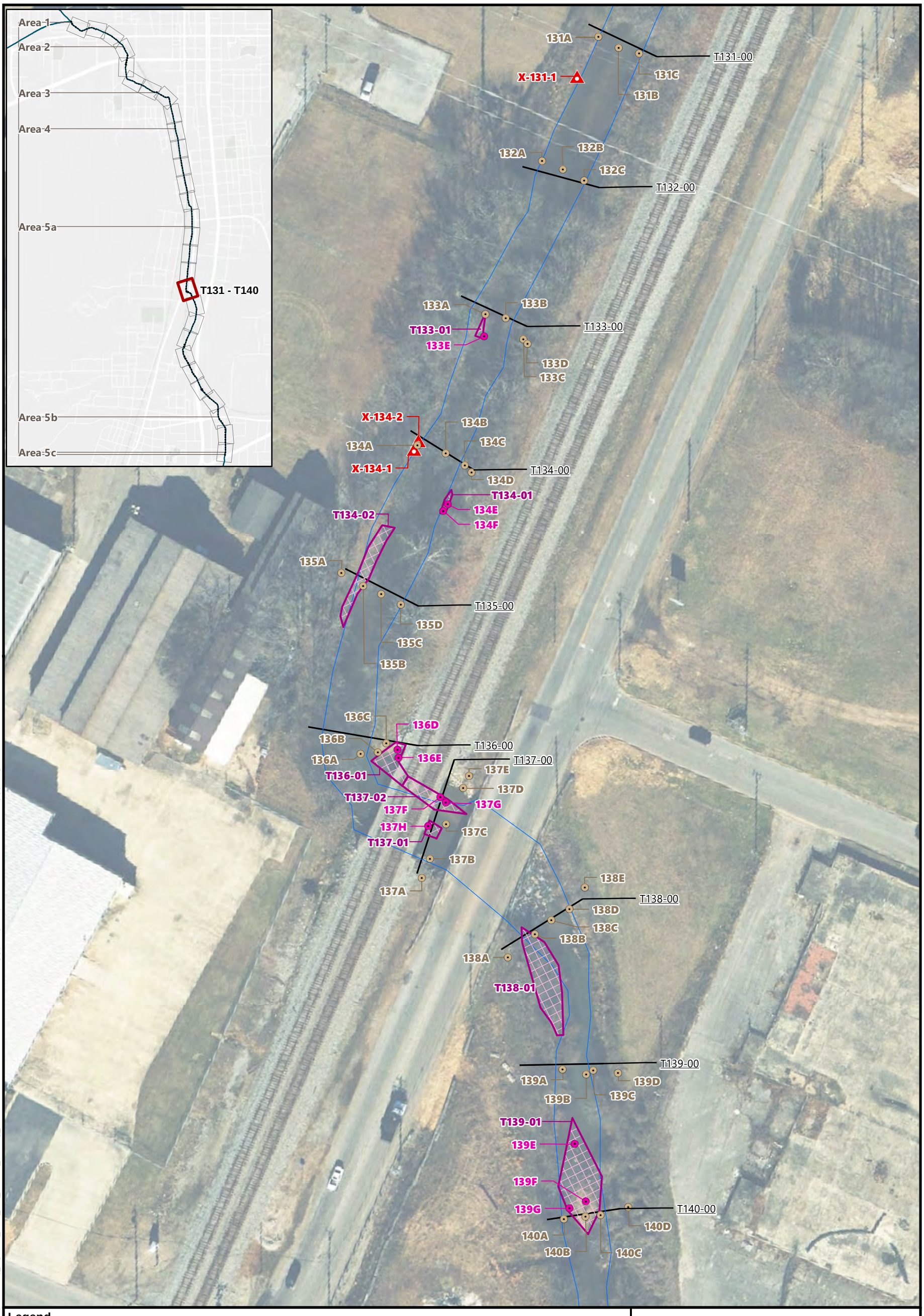
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T124 through T132

Solutia

Figure 1r

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:46:52 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

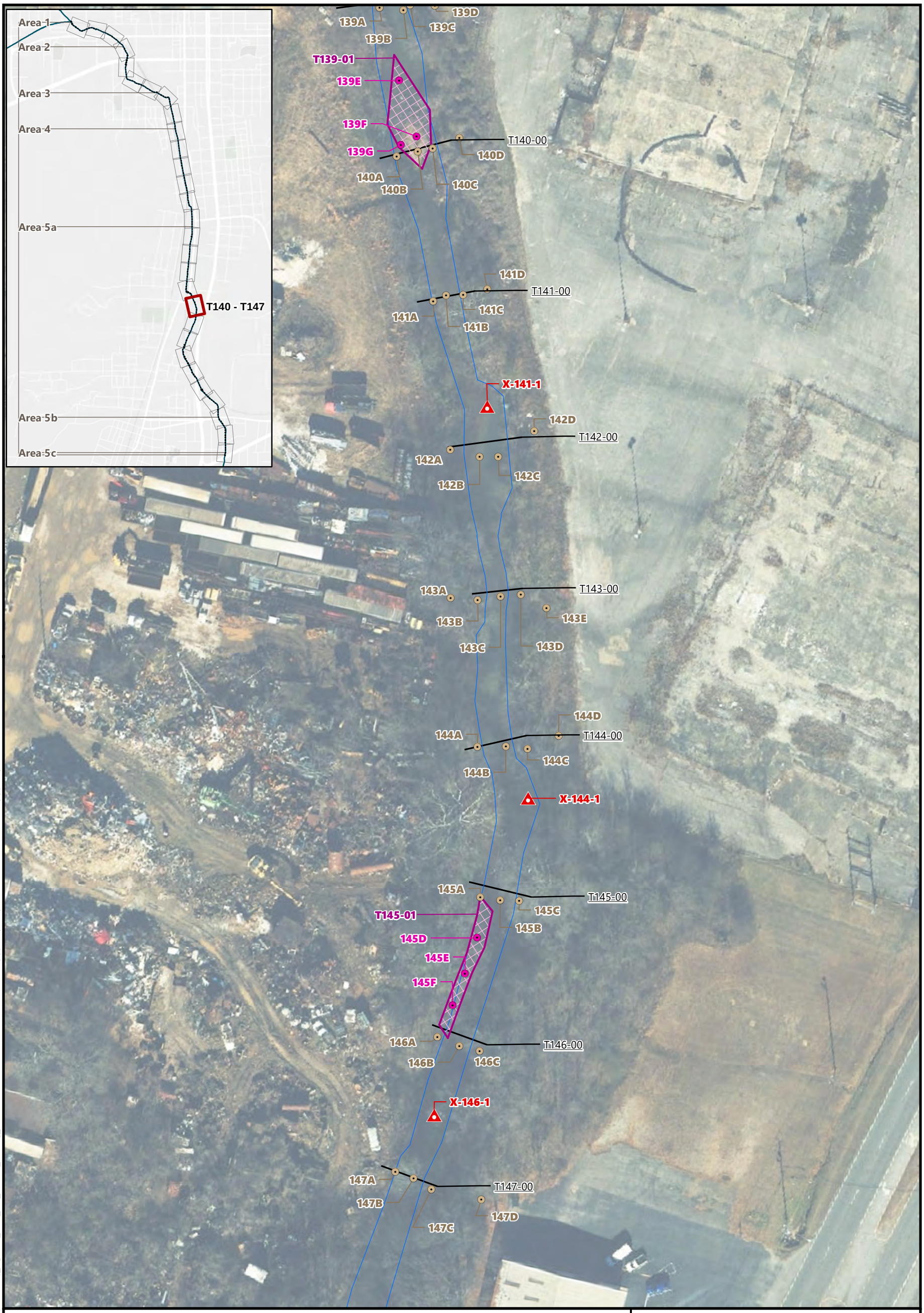
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T131 through T140

Solutia Ingenuity Productivity Performance

Figure 1s

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:47:00 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T140 through T147

Solutia
Ingenuity Productivity Performance

Figure 1t

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:47:08 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

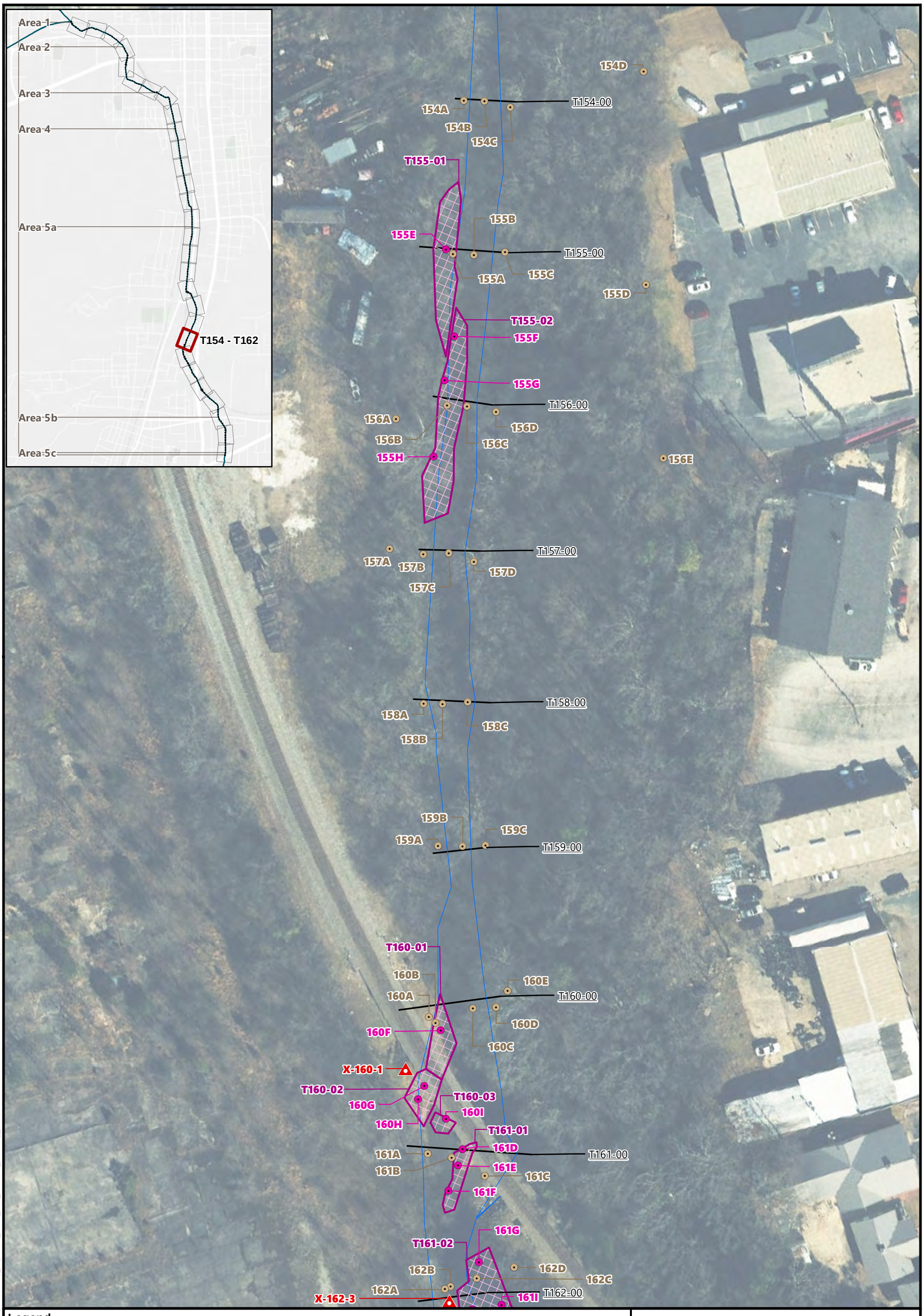
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T147 through T154

Solutia Ingenuity Productivity Performance

Figure 1u

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:47:16 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

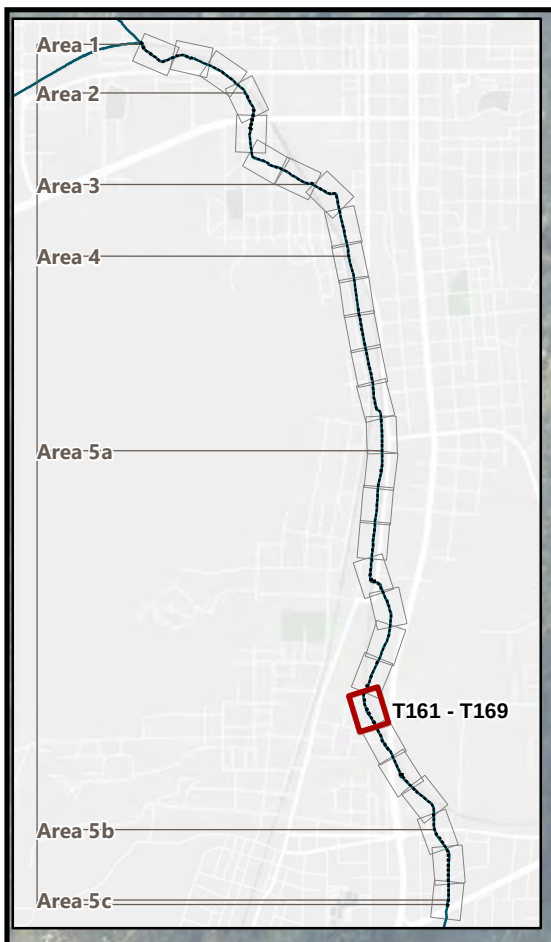
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T154 through T162

Solutia Ingenuity Productivity Performance

Figure 1v

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:47:24 AM by jquinley



160G
160H
T160-03
160I
161A
161B
T161-01
161D
161E
161F
T161-02
T161-00
161C
162B
162A
161G
X-162-3
162C
162D
161H
T162-00
X-162-2
X-162-1
161I
161J
163C
163A
163D
T163-00
163B
161K
161L
161M
164C
164B
164D
164A
T164-00
X-164-1
161O
161N
T165-00
165A
165D
165B
165C
161P
166E
166A
T166-00
166B
166C
166D
161Q
T166-01
167B
167C
T167-00
167A
166F
166G
168D
T168-00
168C
168B
168A
166H
169D
T169-00
169C
169A
169B

Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

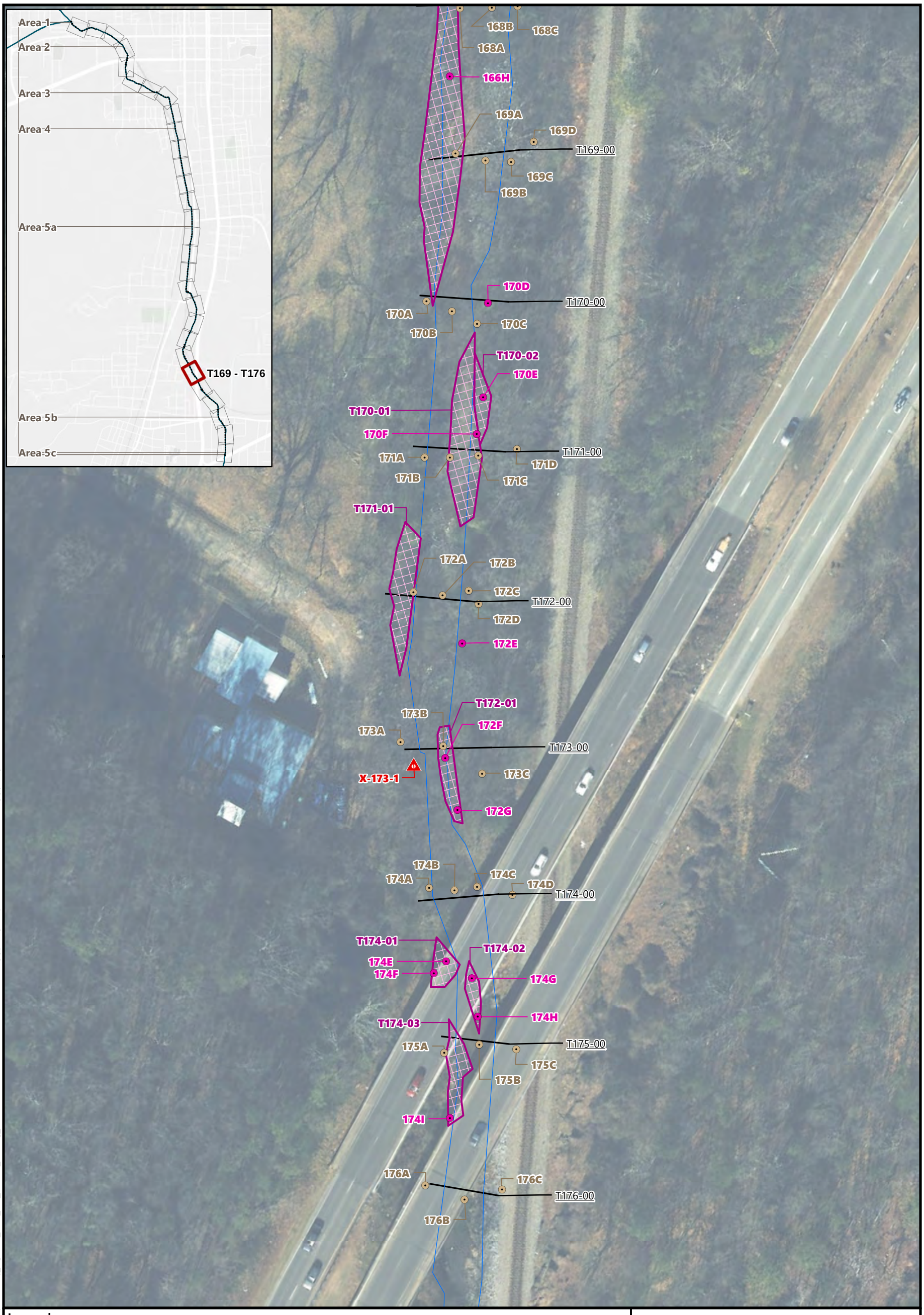
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T161 through T169

Solutia
Ingenuity Productivity Performance

Figure 1w

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:48:04 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

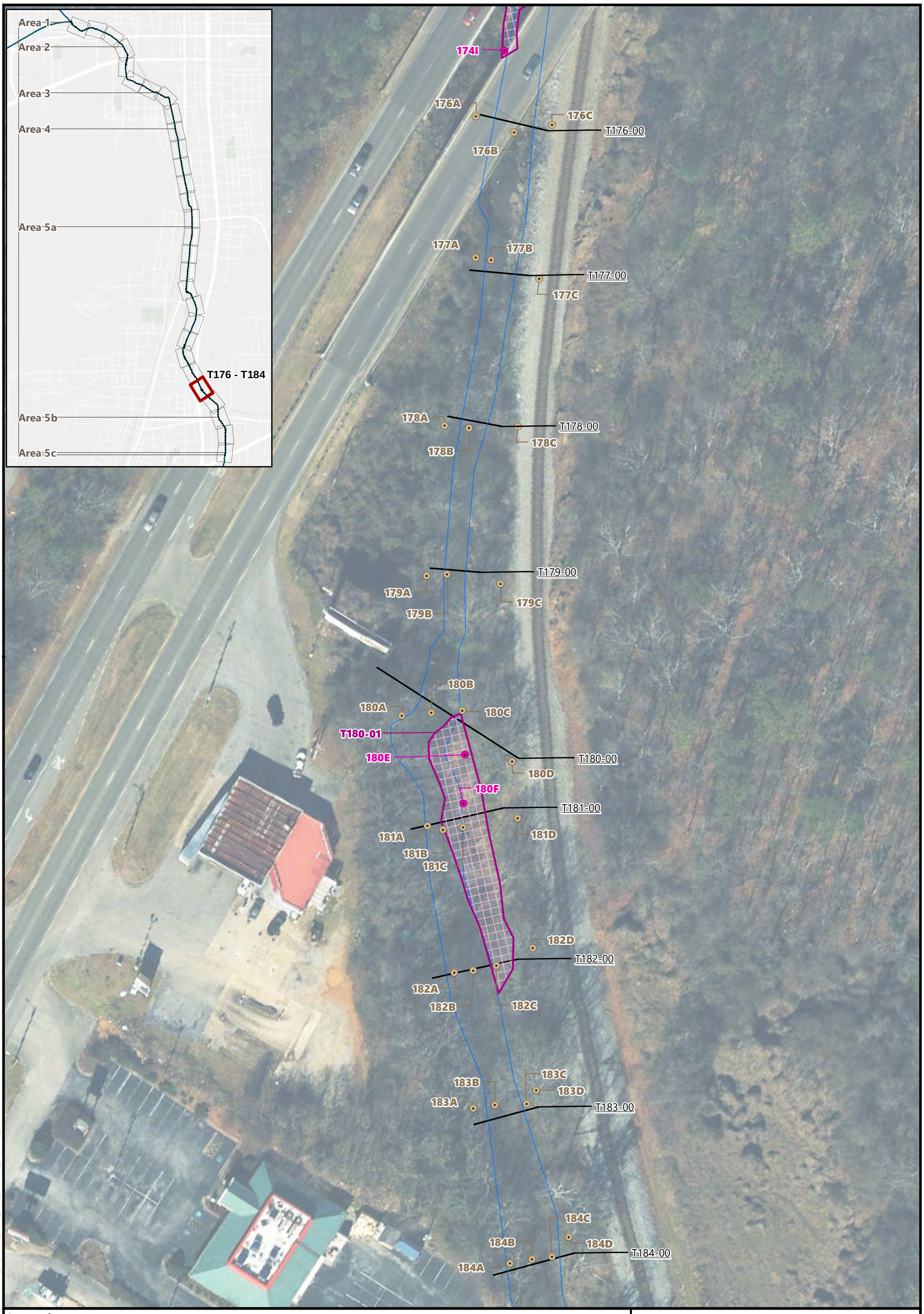
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T169 through T176

Solutia Ingenuity Productivity Performance

Figure 1x

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:48:14 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

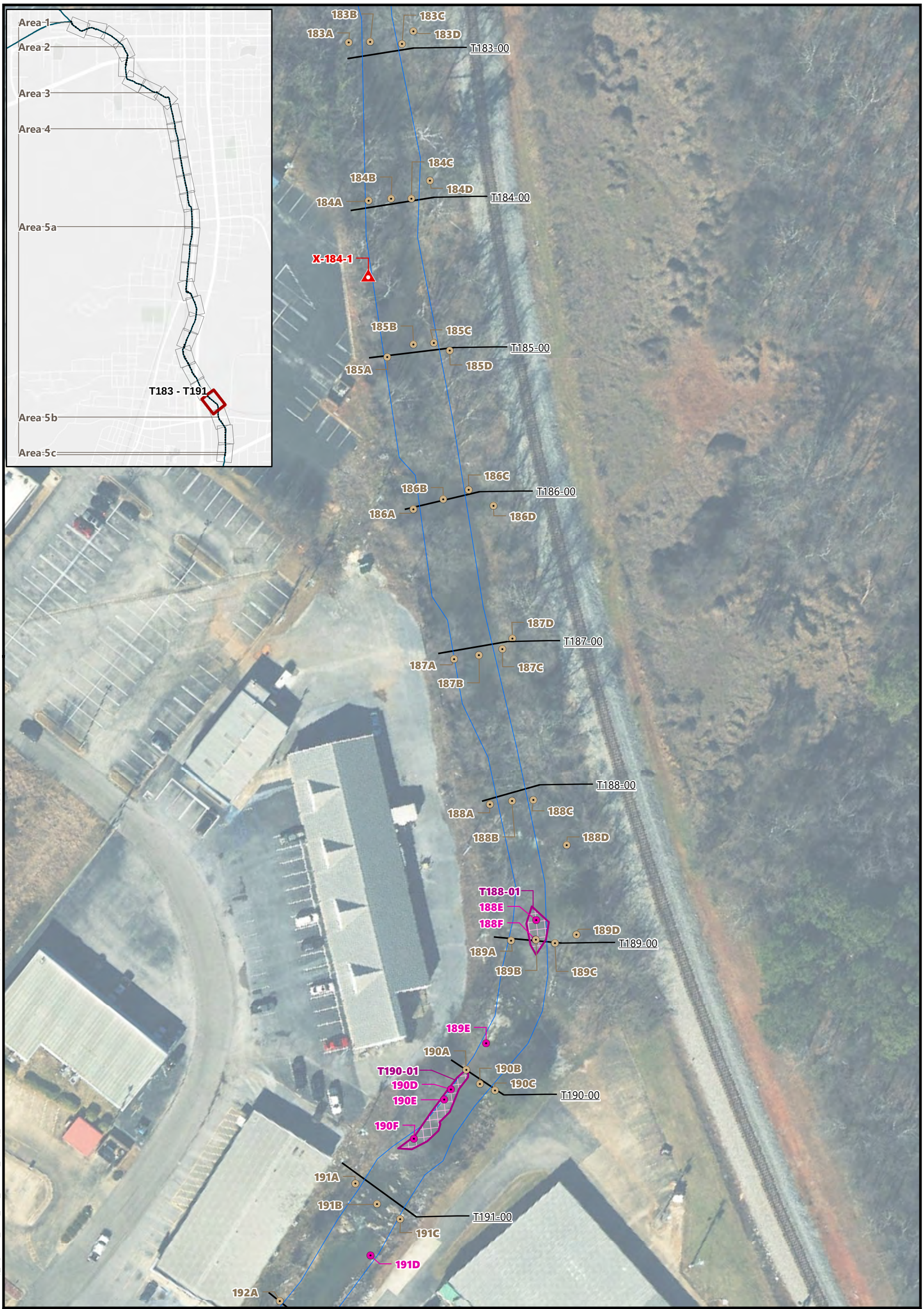
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T176 through T184

Solutia Ingenuity Productivity Performance

Figure 1y

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:48:23 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.

PDI: predesign investigation

0 50 100 Feet

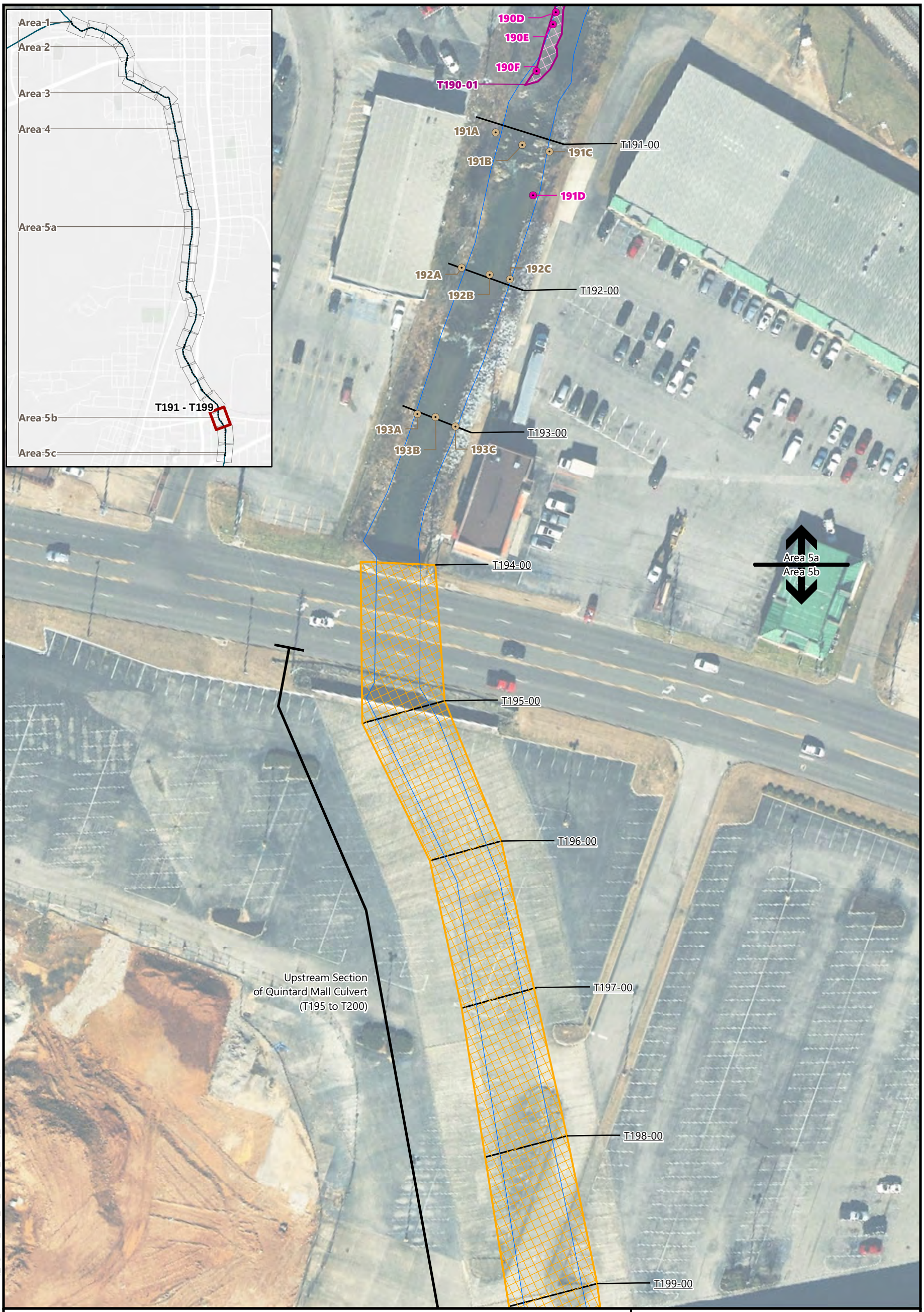
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T183 through T191

Solutia Ingenuity Productivity Performance

Figure 1z

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718Anniston_PCB_SiteMaps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:48:31 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Confined Space

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.
6. Phase 1 sediment probing was not conducted within the culvert beneath Quintard Mall (a permit-required confined space) in November 2023. Sediment probing will be conducted within the culvert during the Phase 2 sediment sampling program.

PDI: predesign investigation

0 50 100 Feet

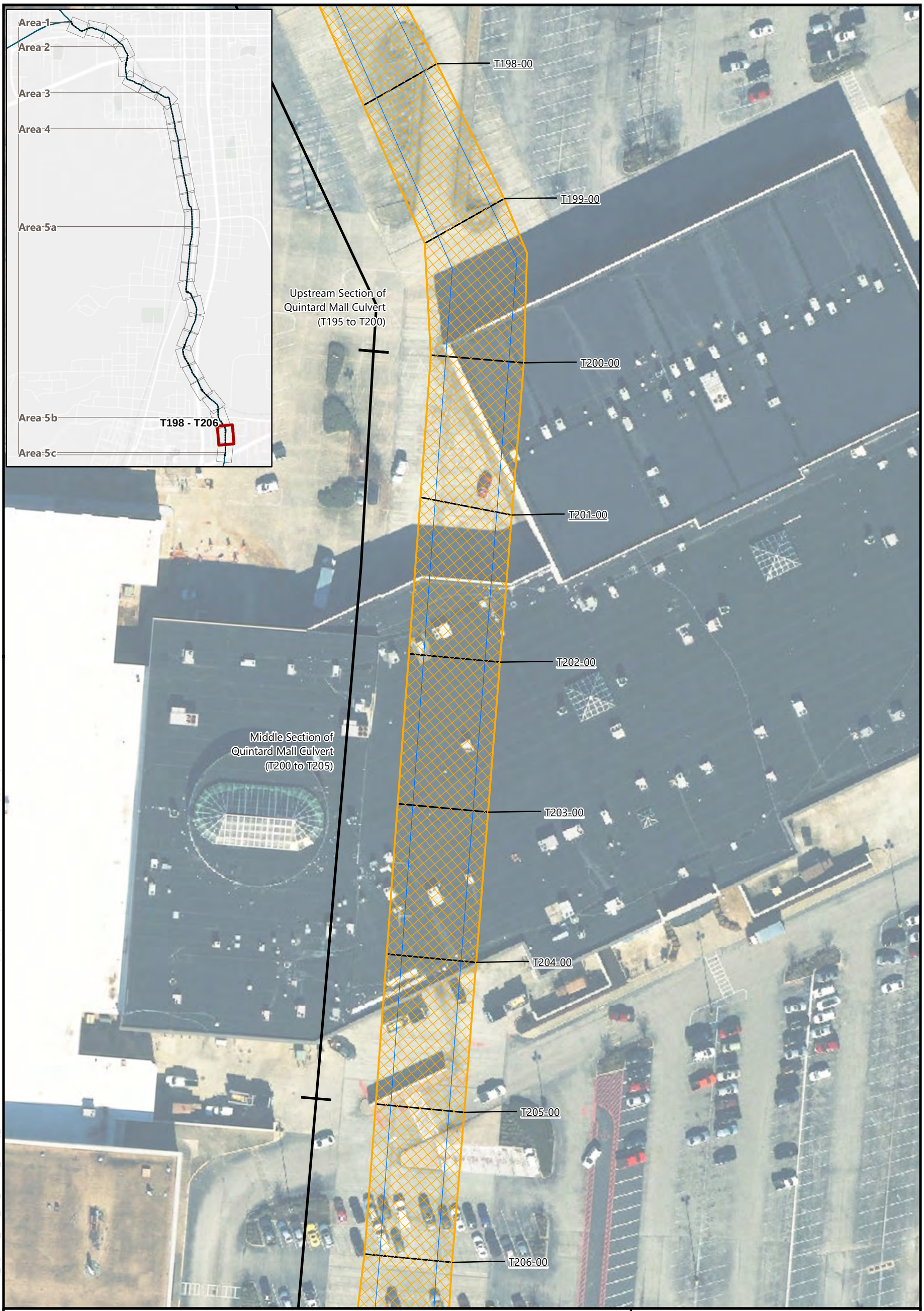
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T191 through T199

Solutia
Ingenuity Productivity Performance

Figure 1aa

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:48:40 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Confined Space

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.
6. Phase 1 sediment probing was not conducted within the culvert beneath Quintard Mall (a permit-required confined space) in November 2023. Sediment probing will be conducted within the culvert during the Phase 2 sediment sampling program.

PDI: predesign investigation

0 50 100 Feet

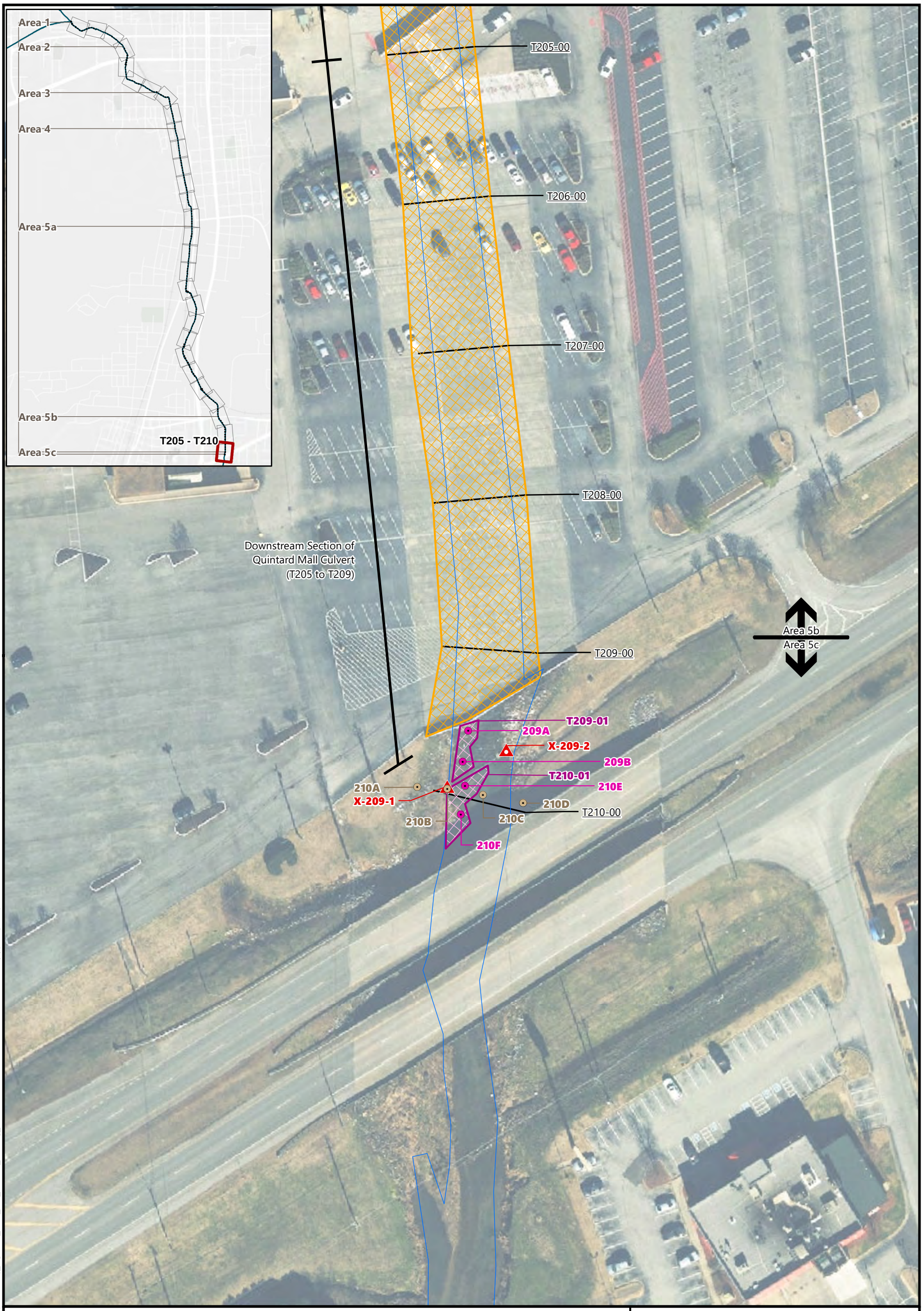
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T198 through T206

Solutia
Ingenuity Productivity Performance

Figure 1bb

File Path: \\GSTFILE01\gis\Jobs\Solutia\Inc_1718\Anniston_PCB_SiteMaps\PDIAQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:48:47 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- Sediment Deposit Probe Location (November 2023)
- Sediment Deposit Polygon (November 2023)
- Transect Probe Location (November 2023)
- Field Reconnaissance Observation
- Confined Space

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Phase 1 sediment probing conducted in November 2023.
3. Phase 1 sediment probing data is summarized in Table 1.
4. Sediment deposits identified during the Phase 1 probing are summarized in Table 2.
5. Field reconnaissance observations are summarized in Table 4.
6. Phase 1 sediment probing was not conducted within the culvert beneath Quintard Mall (a permit-required confined space) in November 2023. Sediment probing will be conducted within the culvert during the Phase 2 sediment sampling program.

PDI: predesign investigation

0 50 100 Feet

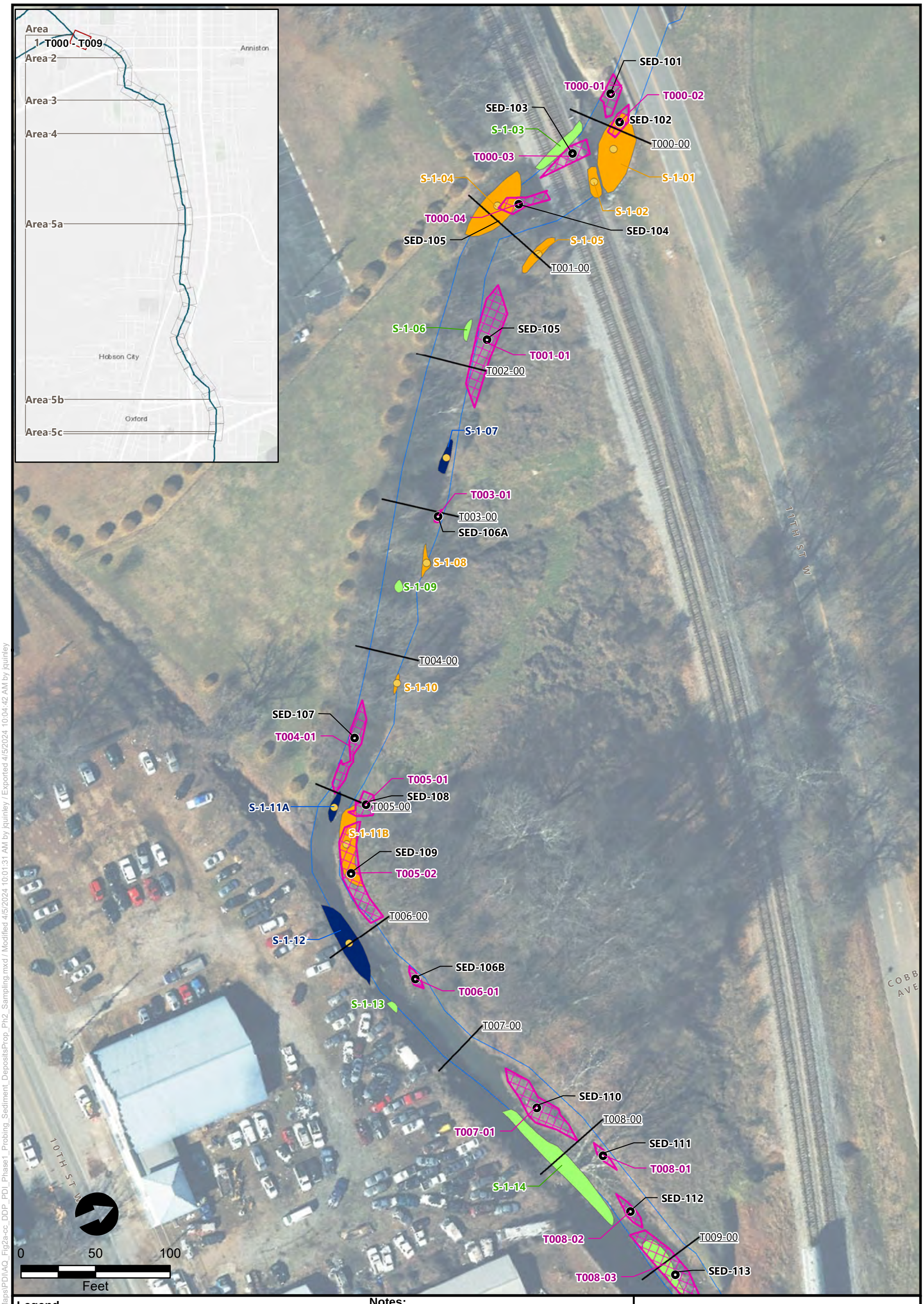
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment
Probing Summary

Phase 1 Sediment Probing Locations: T205 through T210

Solutia

Figure 1cc

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718Anniston_PCB_Site\Maps\PDI\AQ_Fig1a-cc_DDP_PDI_Phase1_Probing_Results.mxd / Modified 4/4/2024 11:44:23 AM by jquinley / Exported 4/4/2024 11:48:54 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- ≥ 3 mg/kg PCB (estimated concentration)
- < 3 mg/kg PCB (average concentration)
- ≥ 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

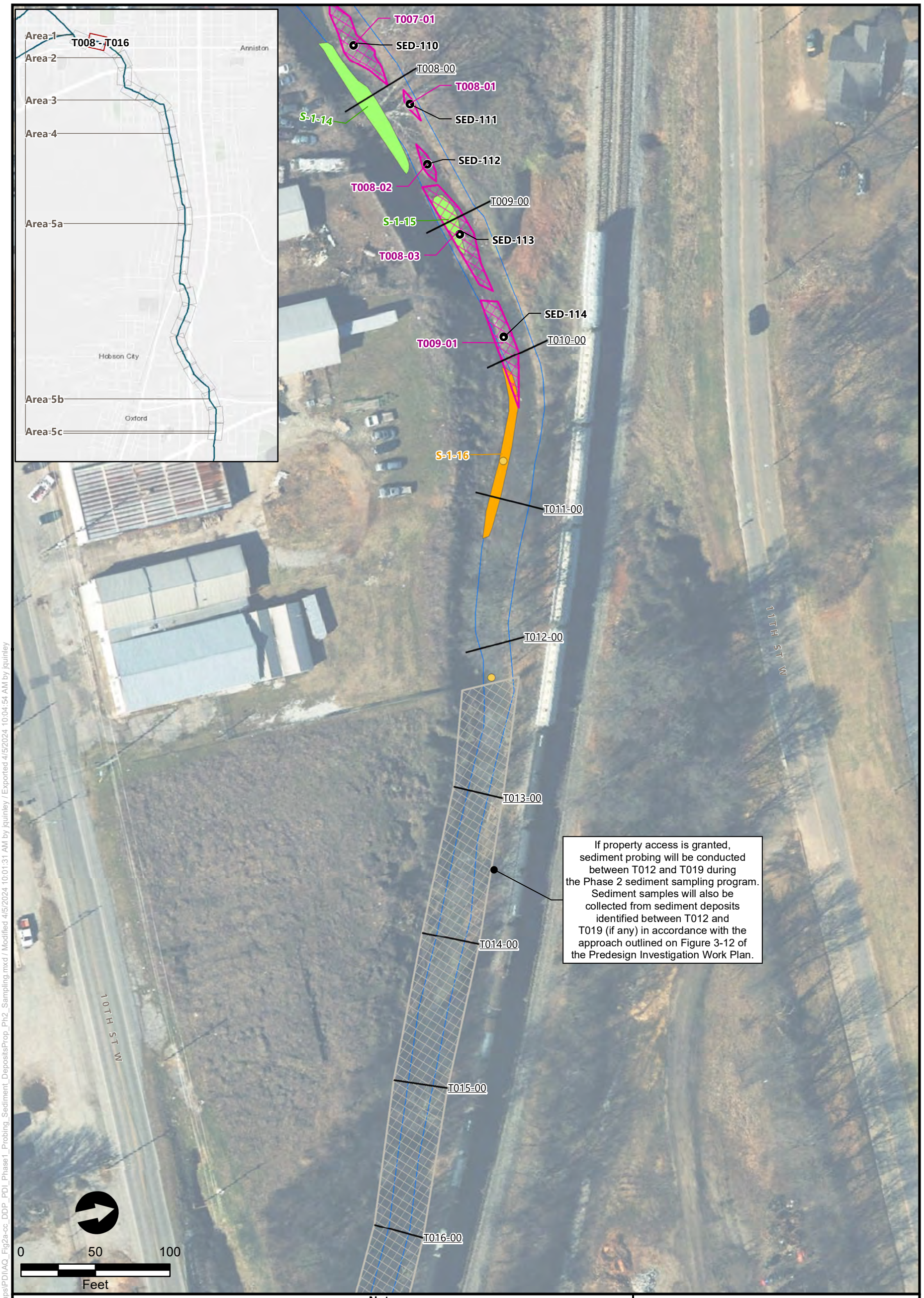
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T000 through T009

Solutia Ingenuity Productivity Performance

Figure 2a

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:04:42 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)
- No Access

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- ≥ 3 mg/kg PCB (estimated concentration)
- ≥ 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

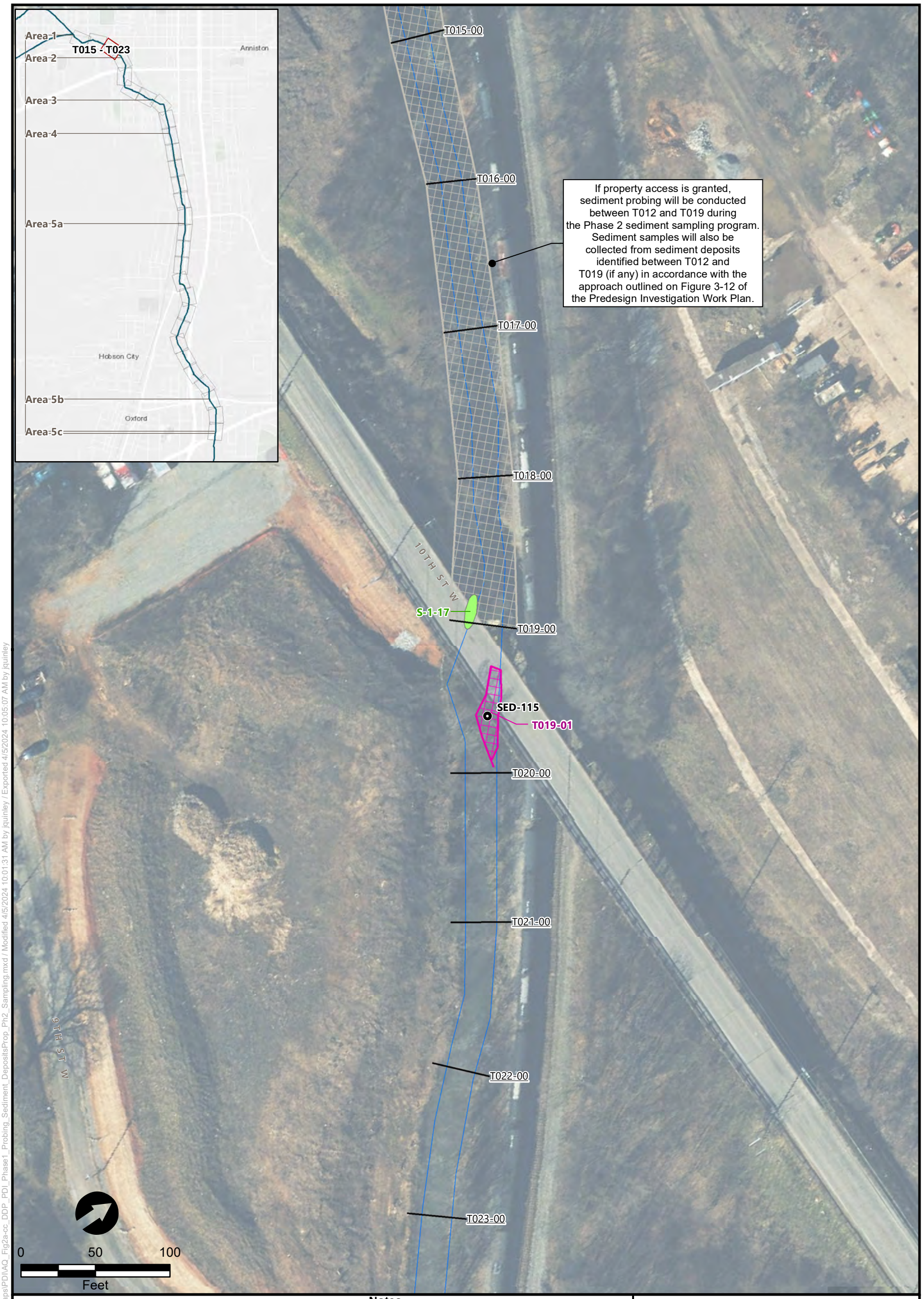
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T008 through T016

Solutia Ingenuity Productivity Performance

Figure 2b

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:04:54 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)
- No Access

Previous Snow Creek Sediment Deposits (1999 RFI)

- ≥ 3 mg/kg PCB (estimated concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

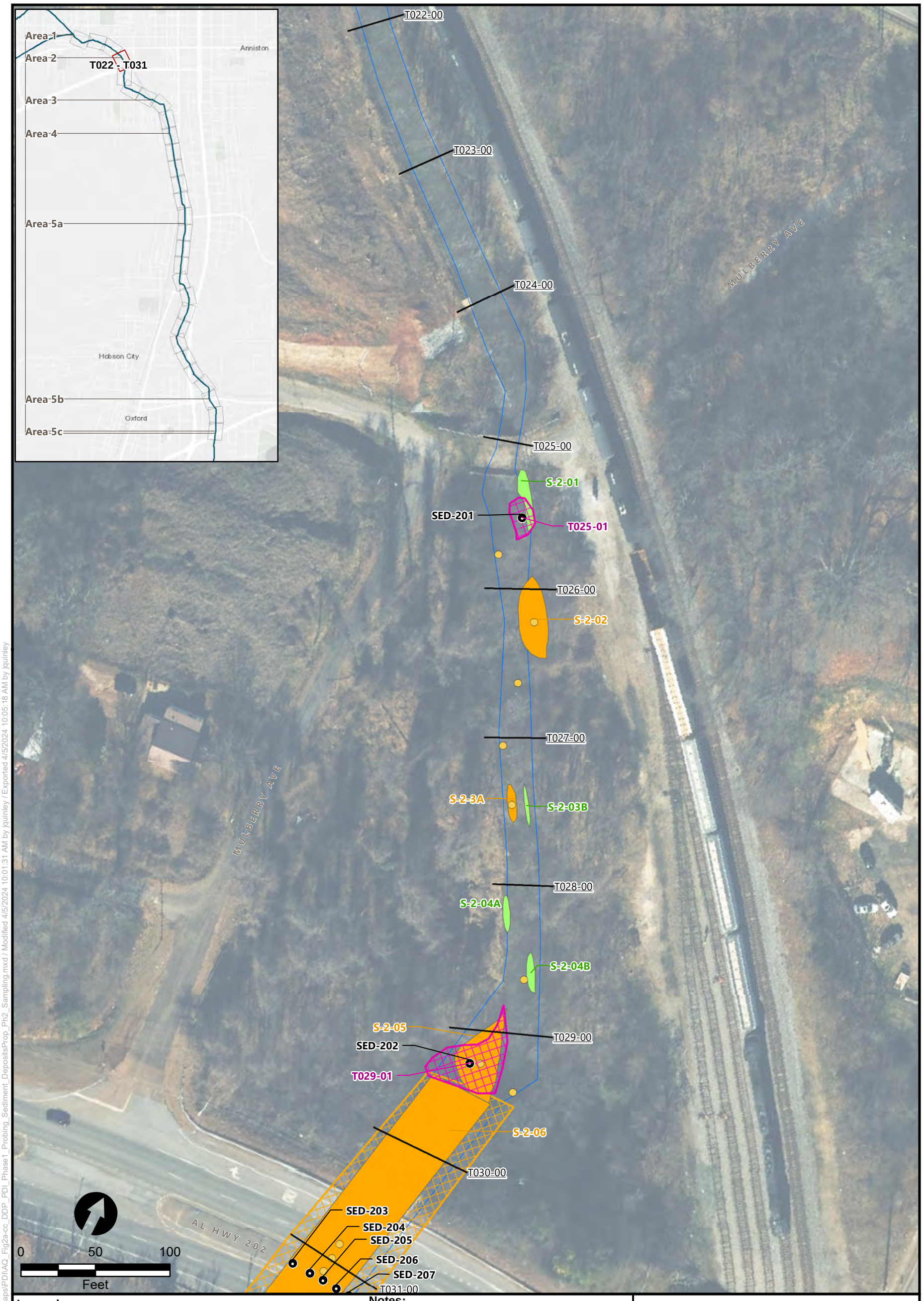
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T015 through T023

Solutia Ingenuity Productivity Performance

Figure 2c

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:05:07 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)
- Confined Space

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- ≥ 3 mg/kg PCB (estimated concentration)
- ≥ 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

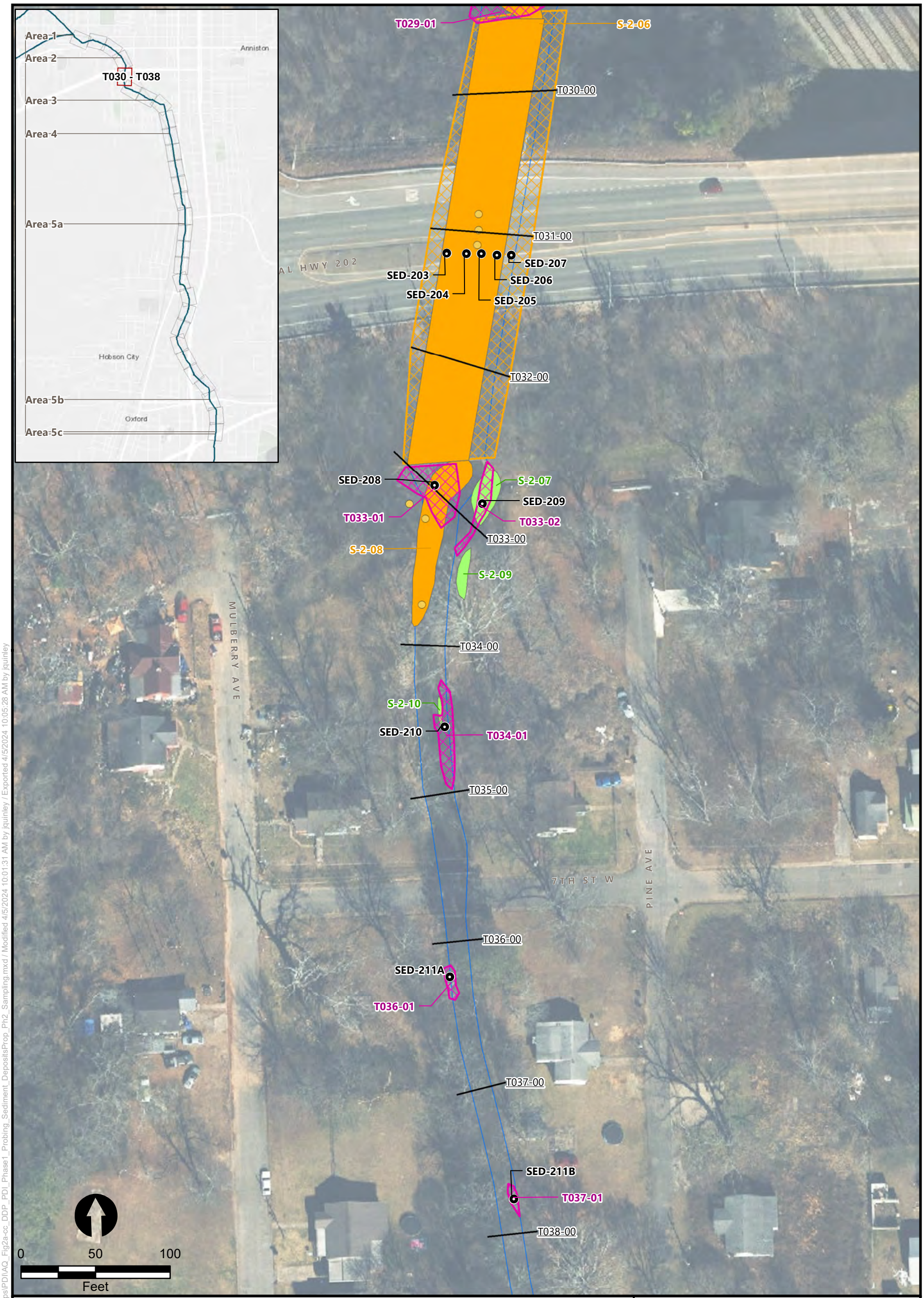
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T022 through T031

Solutia
Ingenuity Productivity Performance

Figure 2d

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_SiteWide\MXD\PDIAQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:05:18 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)
- Confined Space

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- ≥ 3 mg/kg PCB (estimated concentration)
- ≥ 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

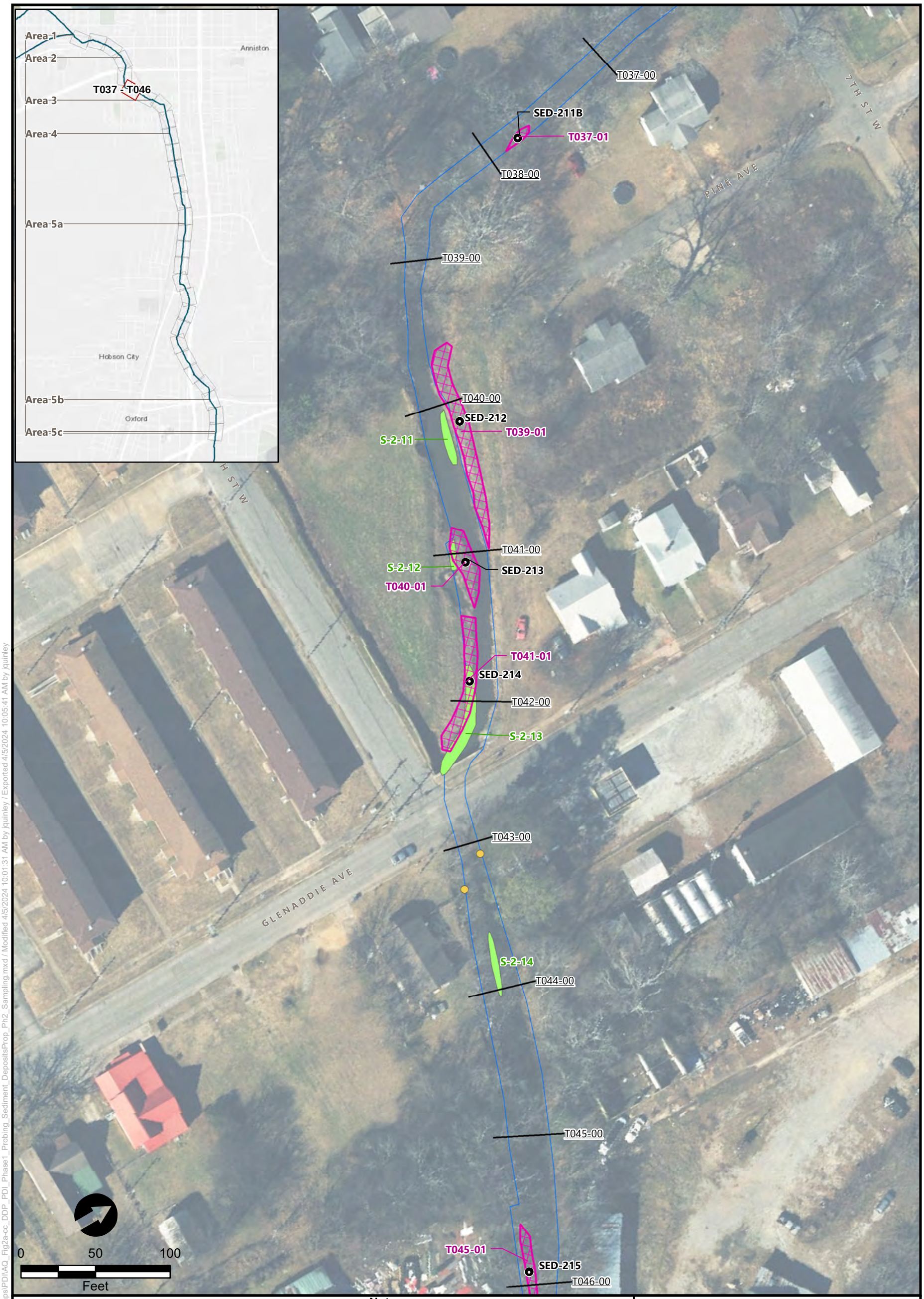
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T030 through T038

Solutia Ingenuity Productivity Performance

Figure 2e

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:05:28 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- ≥ 3 mg/kg PCB (estimated concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

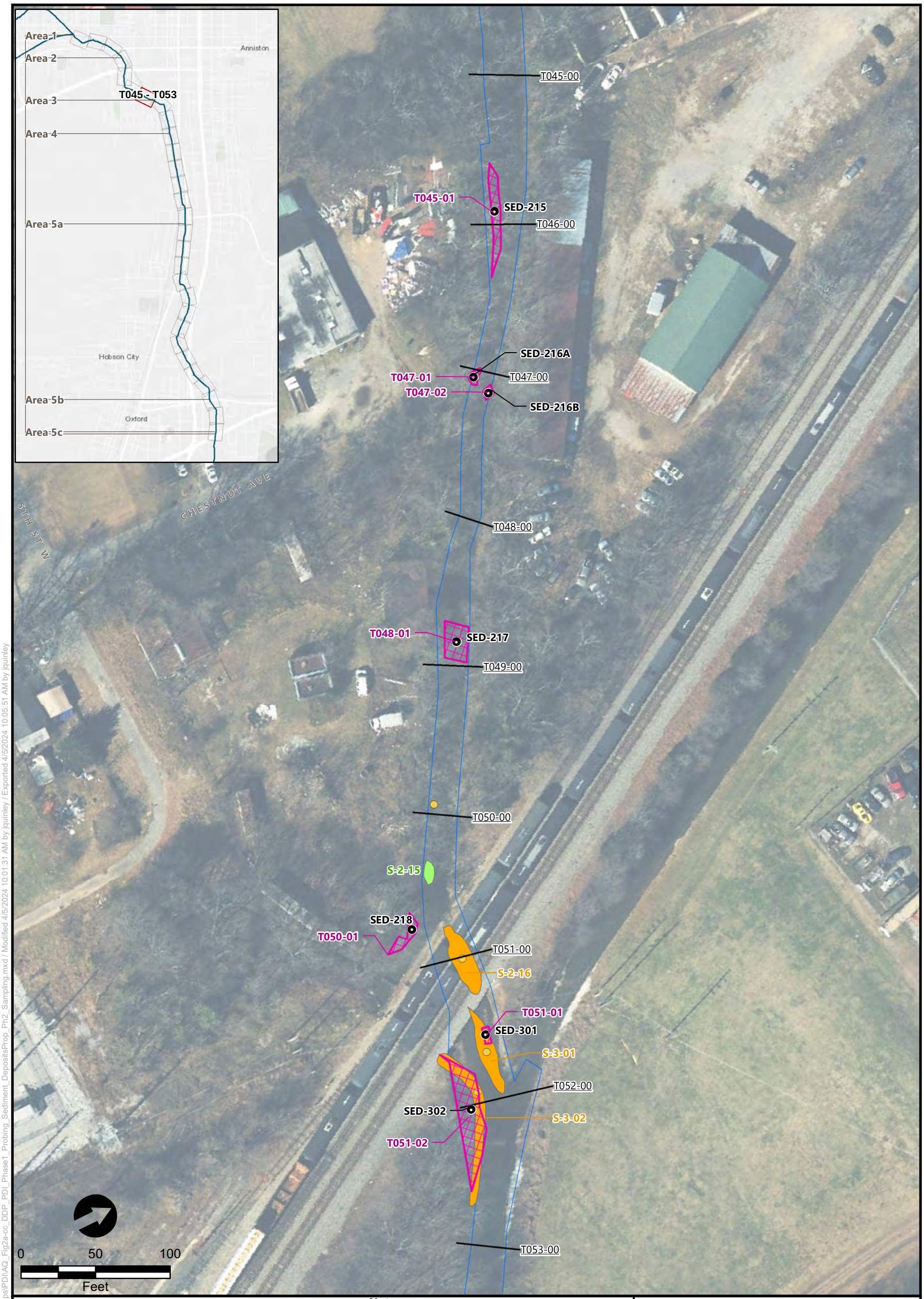
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T037 through T046

Solutia Ingenuity Productivity Performance

Figure 2f

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:05:41 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- ≥ 3 mg/kg PCB (estimated concentration)
- ≥ 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

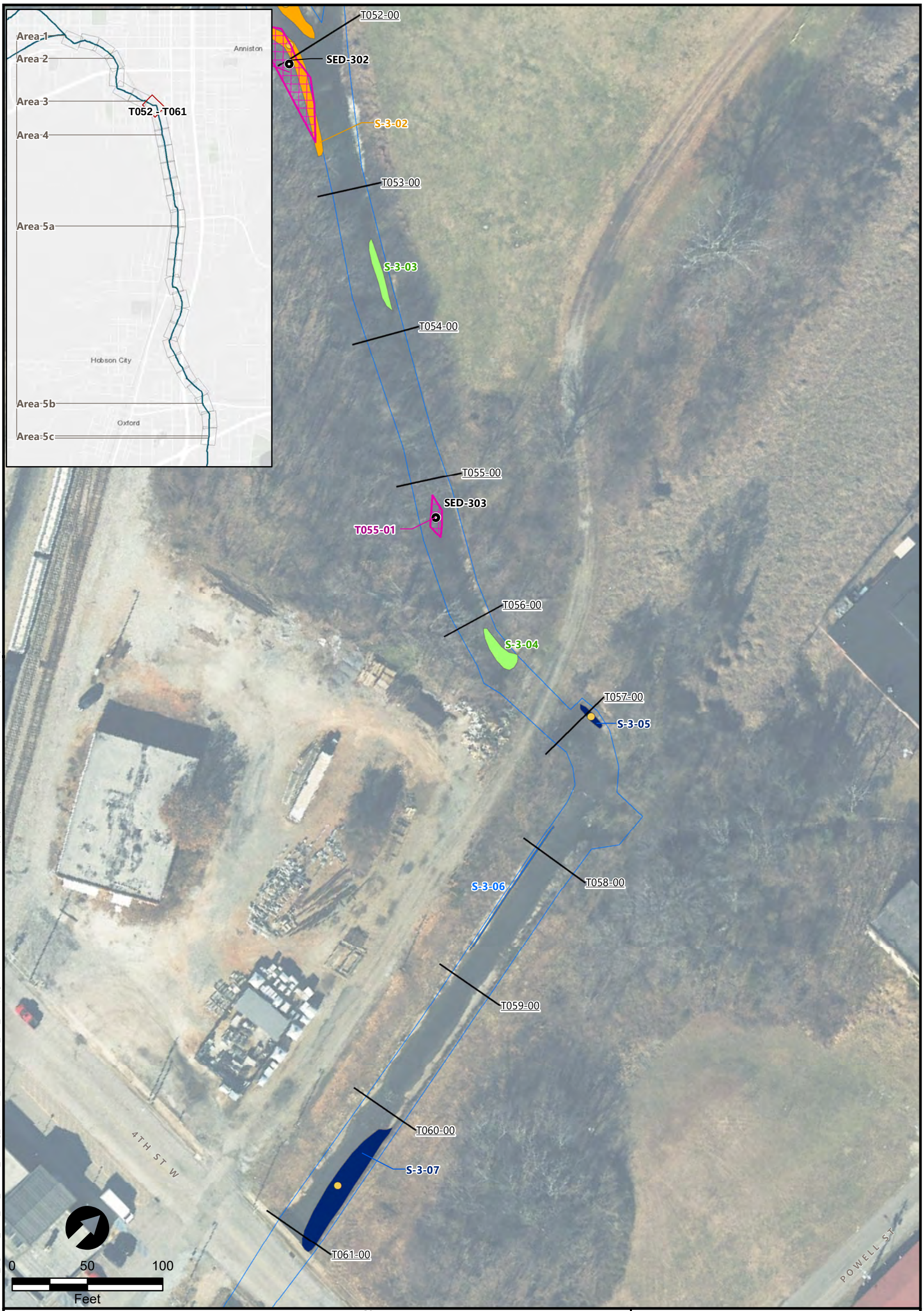
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T045 through T053

Solutia Ingenuity Productivity Performance

Figure 2g

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:05:51 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (estimated concentration)
- ≥ 3 mg/kg PCB (estimated concentration)
- < 3 mg/kg PCB (average concentration)
- ≥ 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

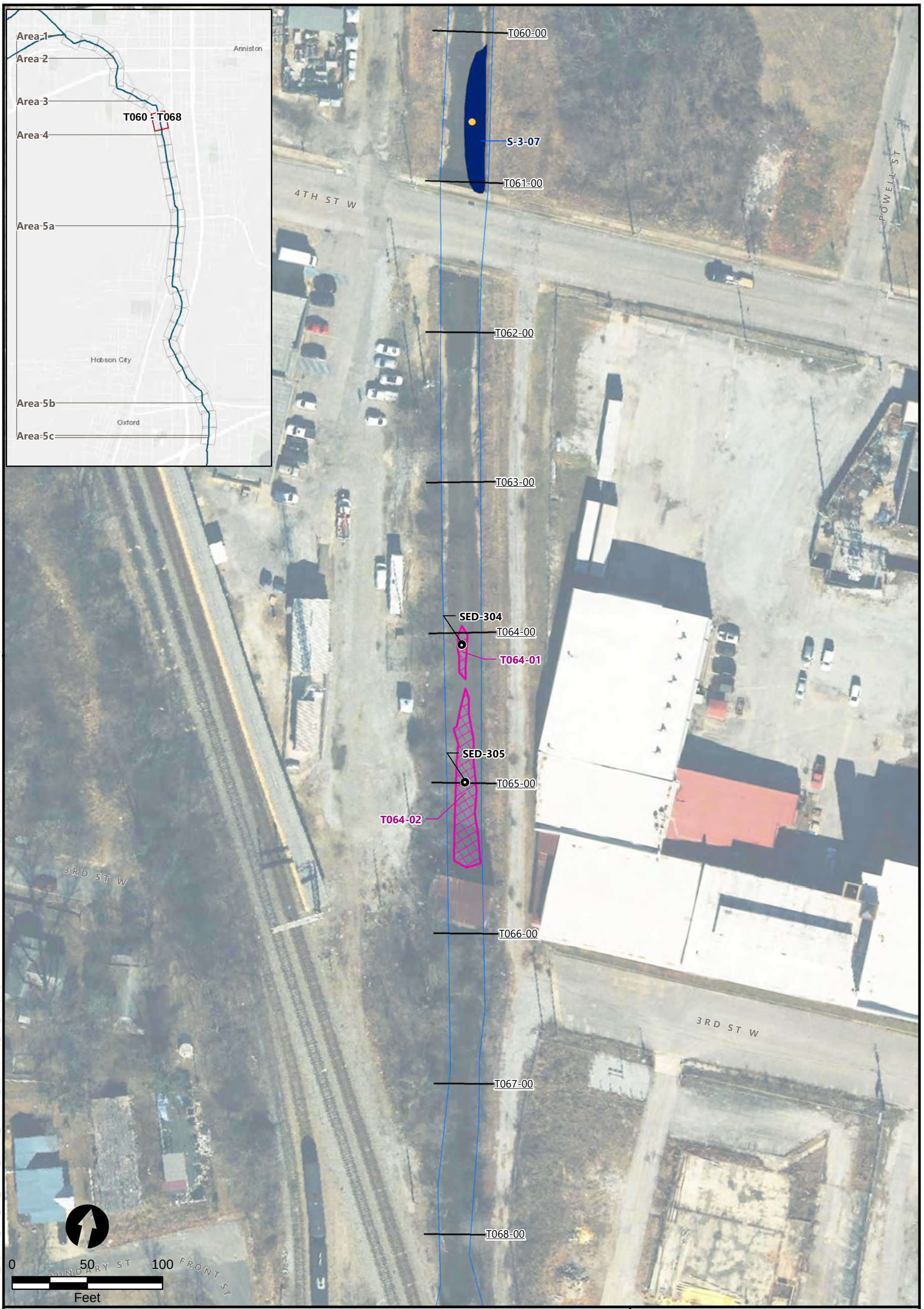
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T052 through T061

Solutia
Ingenuity Productivity Performance

Figure 2h

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:06:03 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T060 through T068

Solutia Ingenuity Productivity Performance

Figure 2i

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:06:13 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

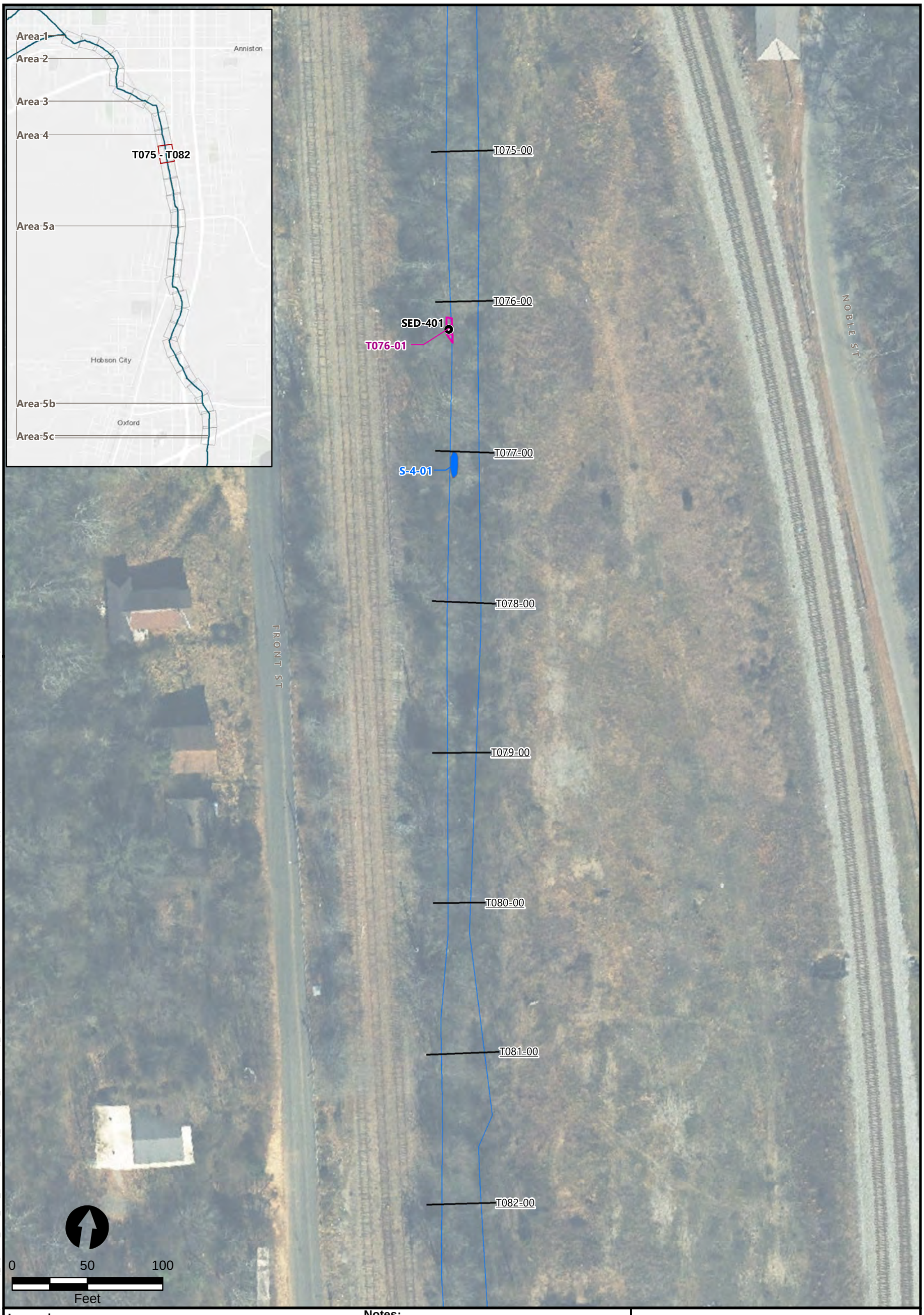
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T067 through T075

Solutia Ingenuity Productivity Performance

Figure 2j

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:06:23 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- < 3 mg/kg PCB (estimated concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T075 through T082

Solutia
Ingenuity Productivity Performance

Figure 2k

File Path: \\GSTFILE01\gis\Jobs\Solutia\Inc_1718\Anniston_PCB_SiteWide\MXD\PDIAQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:06:33 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T082 through T089

Solutia

Figure 2l

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:06:44 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

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PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T089 through T096

Solutia

Figure 2m

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:06:54 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

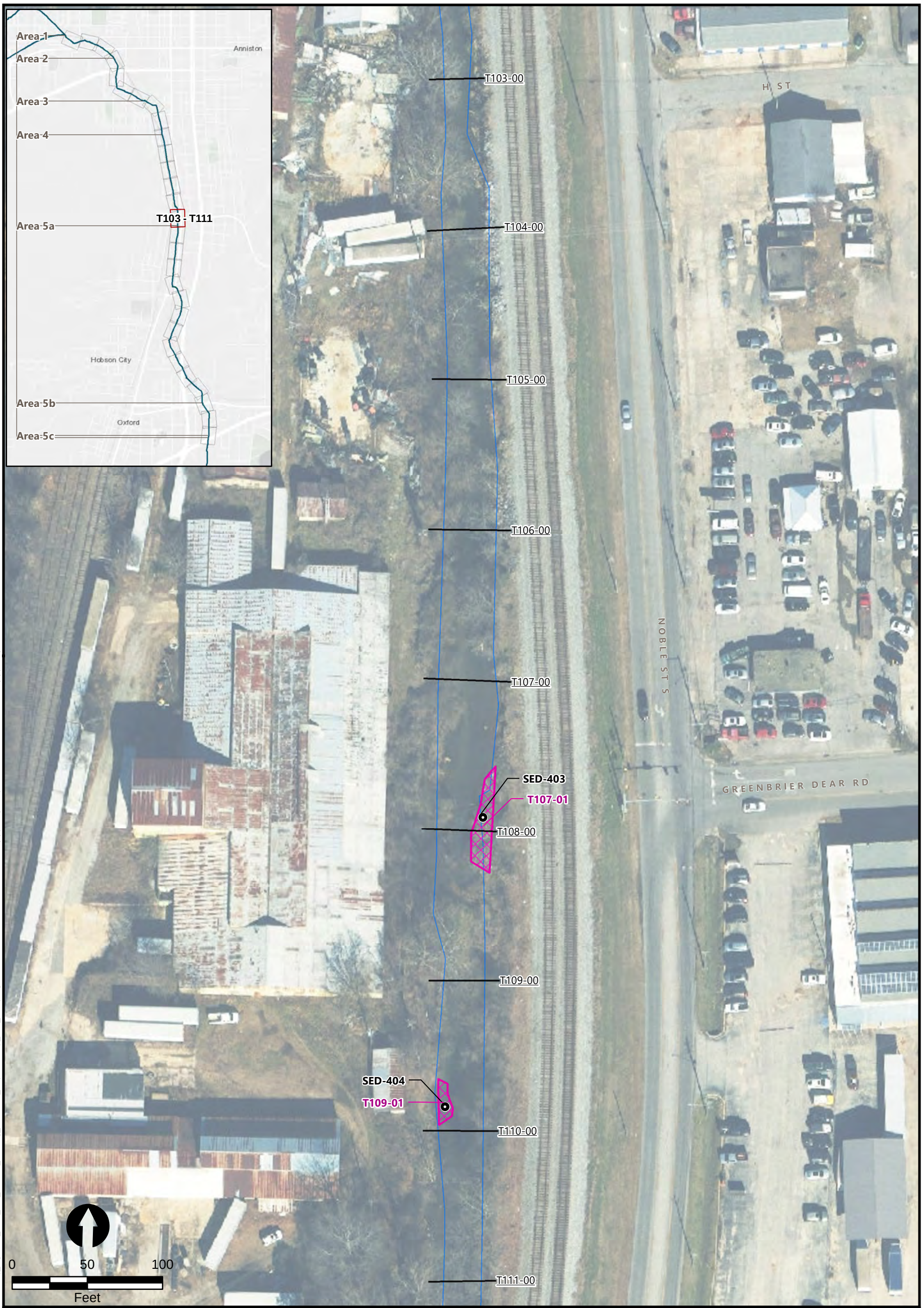
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T096 through T104

Solutia Ingenuity Productivity Performance

Figure 2n

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:07:05 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

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USEPA: U.S. Environmental Protection Agency

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T103 through T111

Solutia

Figure 2o

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:07:15 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

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USEPA: U.S. Environmental Protection Agency

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T110 through T118

Solutia

Figure 2p

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:07:25 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

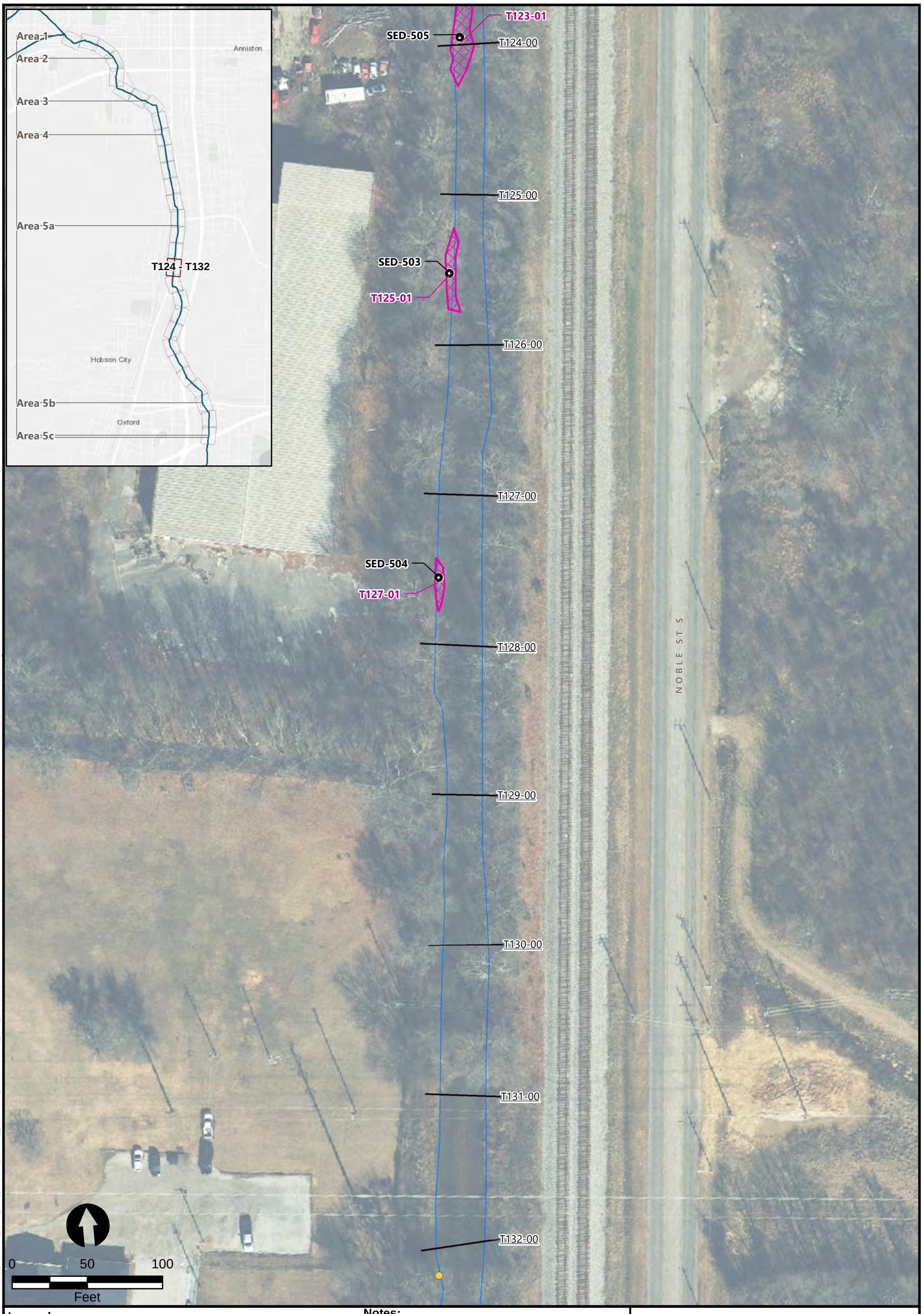
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T117 through T125

Solutia
Ingenuity Productivity Performance

Figure 2q

File Path: \\GSTFILE01\gis\Jobs\Solutiainc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:07:38 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)
- Previous Sediment Sample Location

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

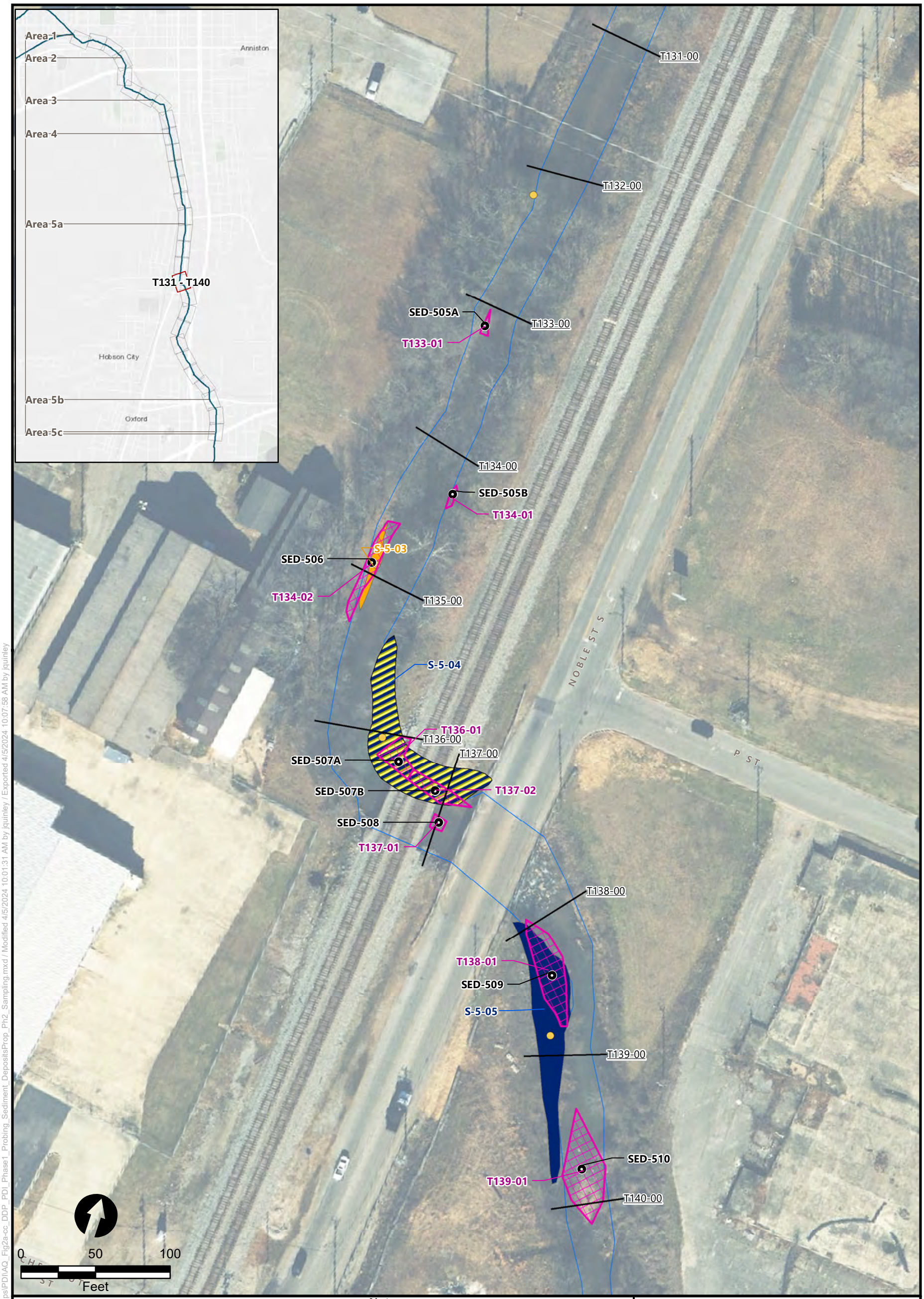
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T124 through T132

Solutia Ingenuity Productivity Performance

Figure 2r

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:07:48 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- Deposit with Metals Exceedance and PCB <3 mg/kg
- < 3 mg/kg PCB (average concentration)
- ≥ 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

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PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

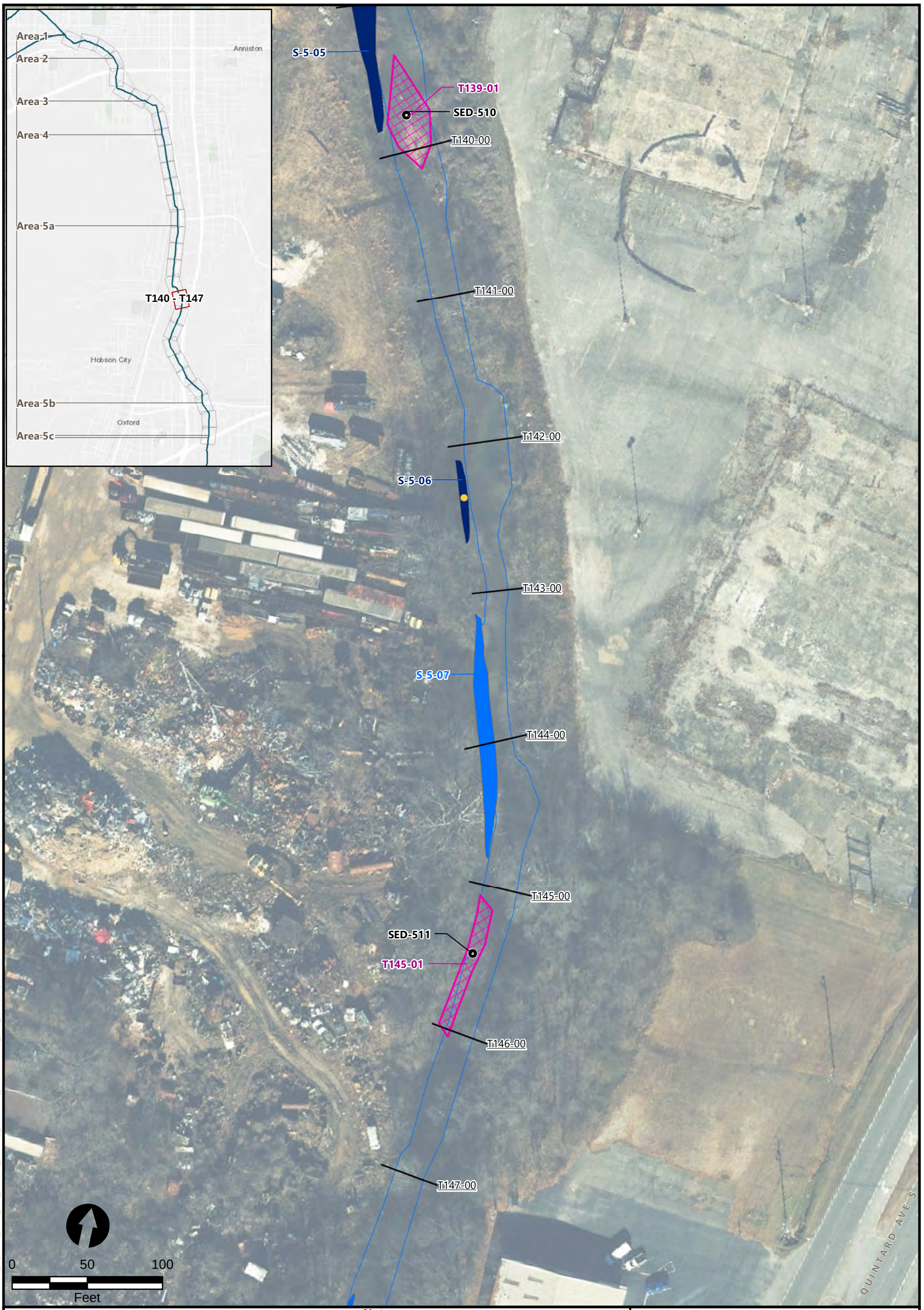
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T131 through T140

Solutia Ingenuity Productivity Performance

Figure 2s

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:07:58 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (estimated concentration)
- < 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

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Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T140 through T147

Solutia Ingenuity Productivity Performance

Figure 2t

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:08:09 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- < 3 mg/kg PCB (estimated concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
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PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

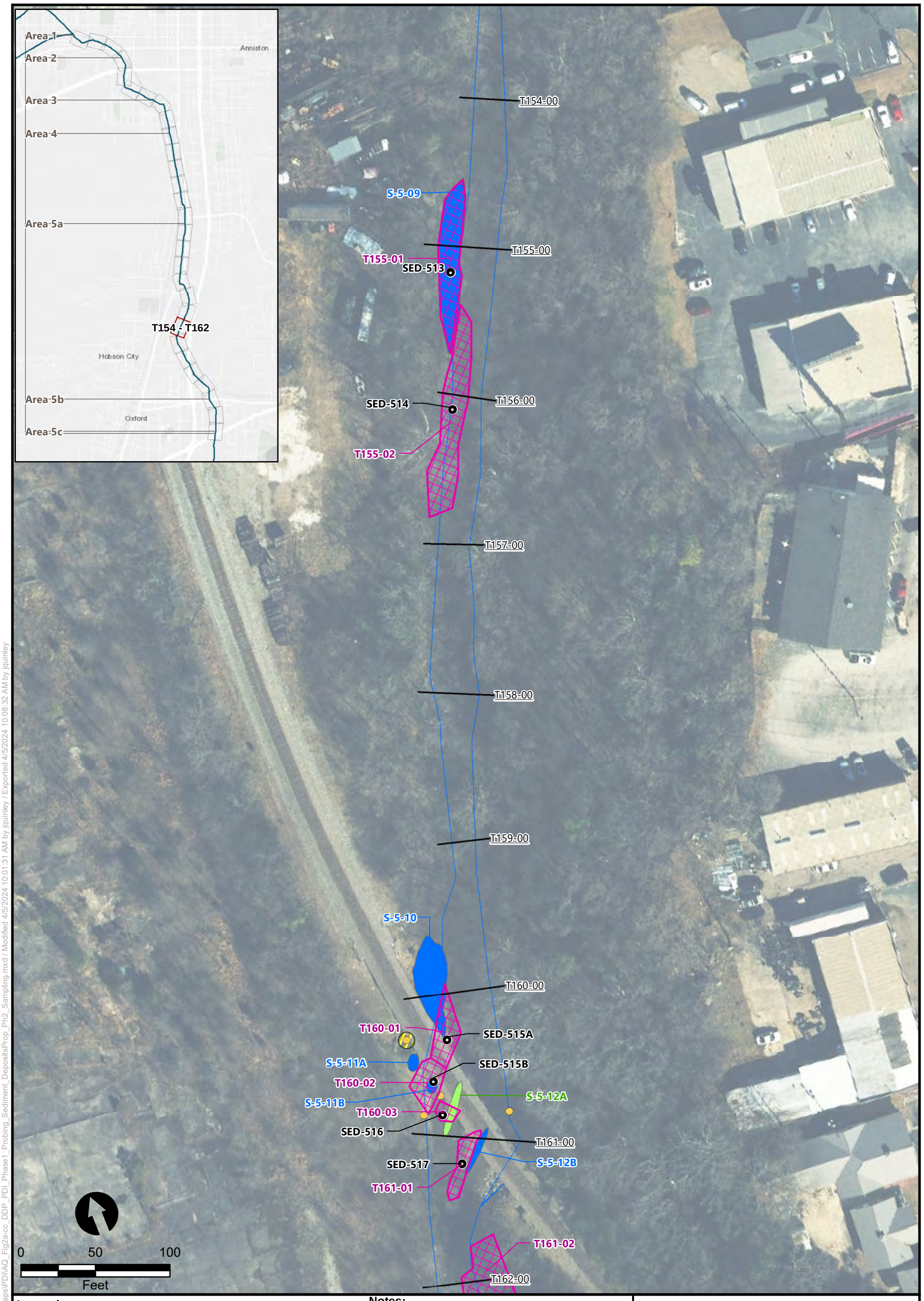
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T147 through T154

Solutia Ingenuity Productivity Performance

Figure 2u

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:08:21 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- Deposit with Metals Exceedance and PCB <3 mg/kg
- < 3 mg/kg PCB (estimated concentration)
- ≥ 3 mg/kg PCB (estimated concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
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PCB: polychlorinated biphenyl
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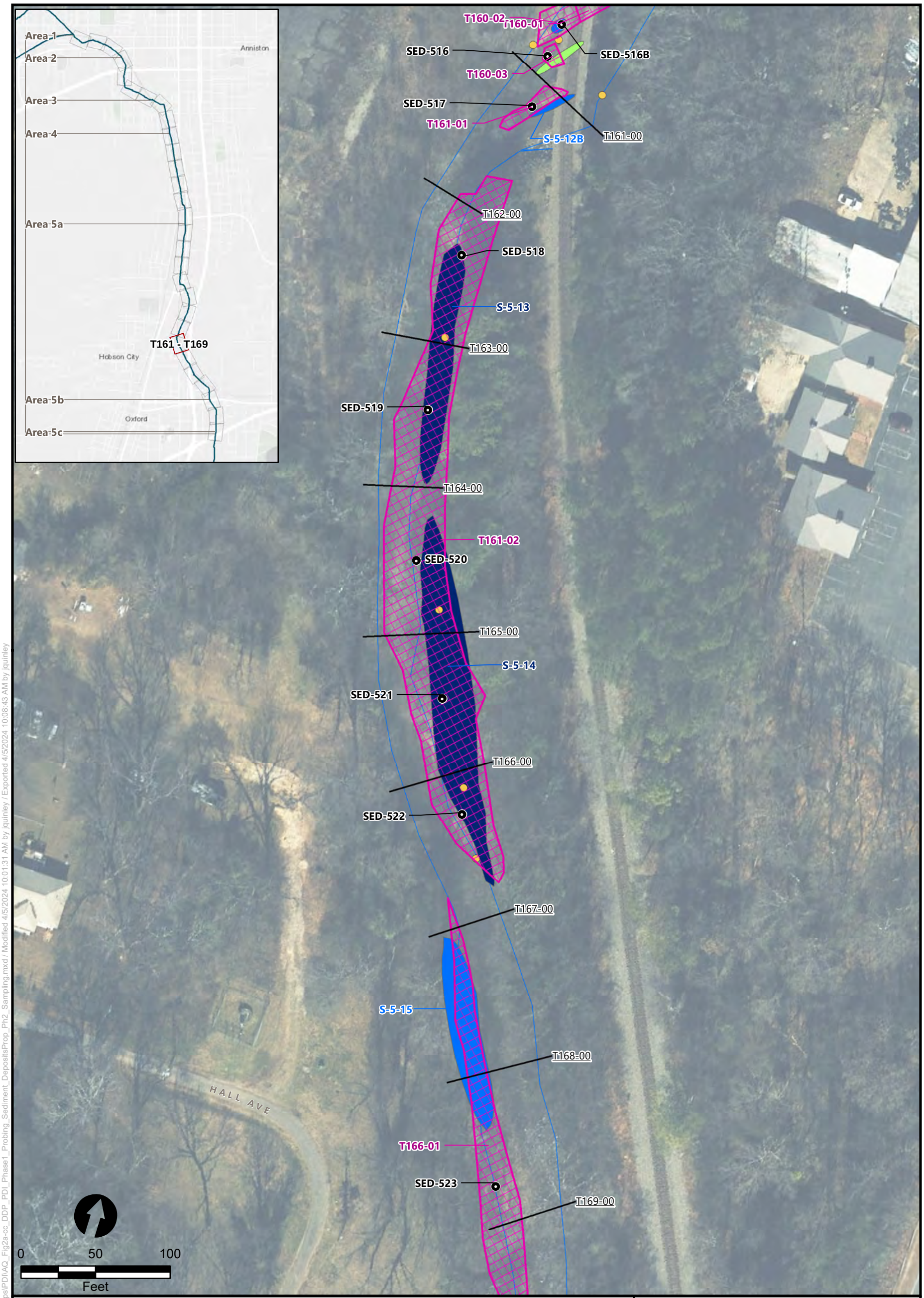
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T154 through T162

Solutia

Figure 2v

File Path: \\GSTFILE01\gisJobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:08:32 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (estimated concentration)
- ≥ 3 mg/kg PCB (estimated concentration)
- < 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
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3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
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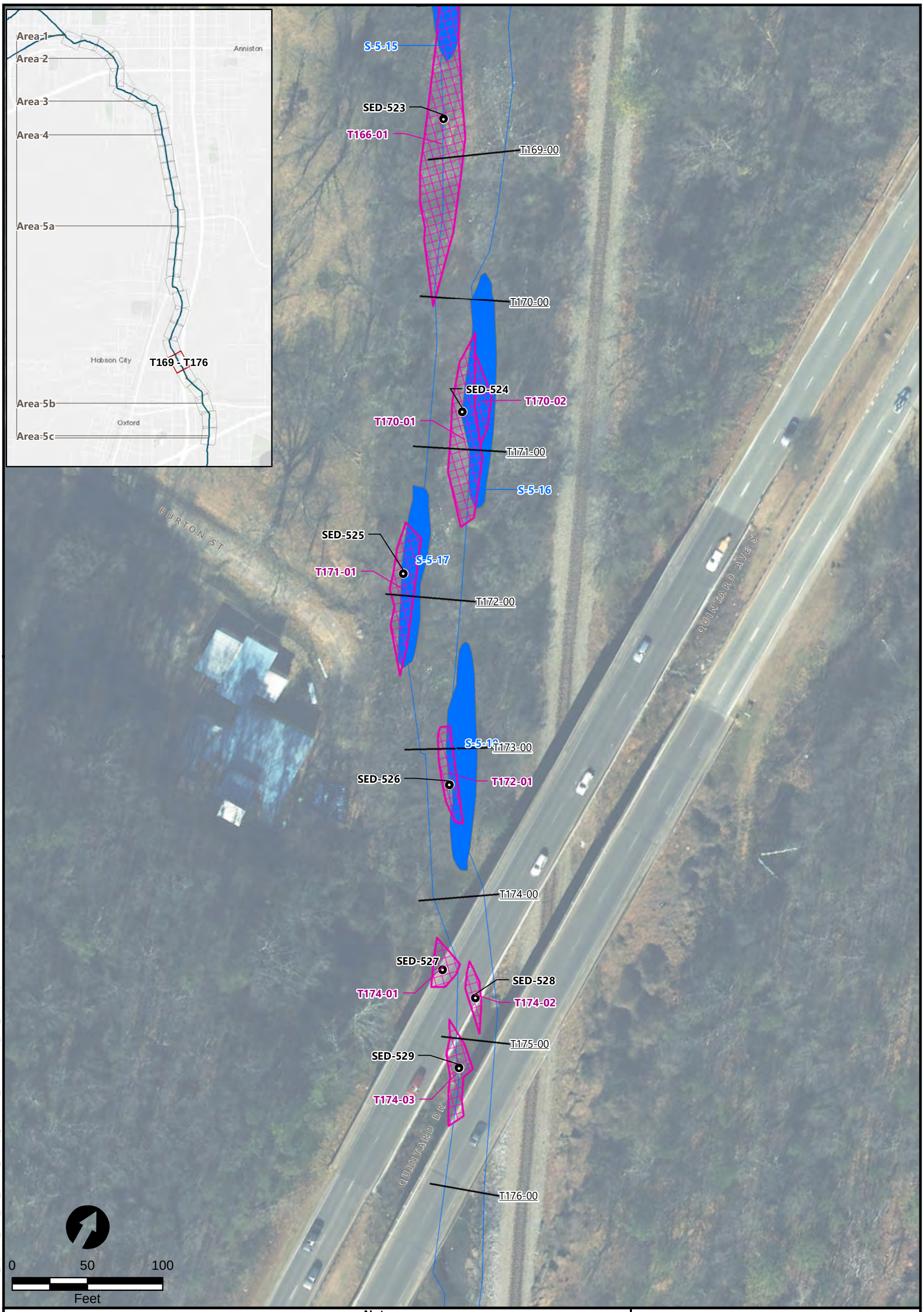
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T161 through T169

Solutia
Ingenuity Productivity Performance

Figure 2w

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:08:43 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- < 3 mg/kg PCB (estimated concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
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USEPA: U.S. Environmental Protection Agency

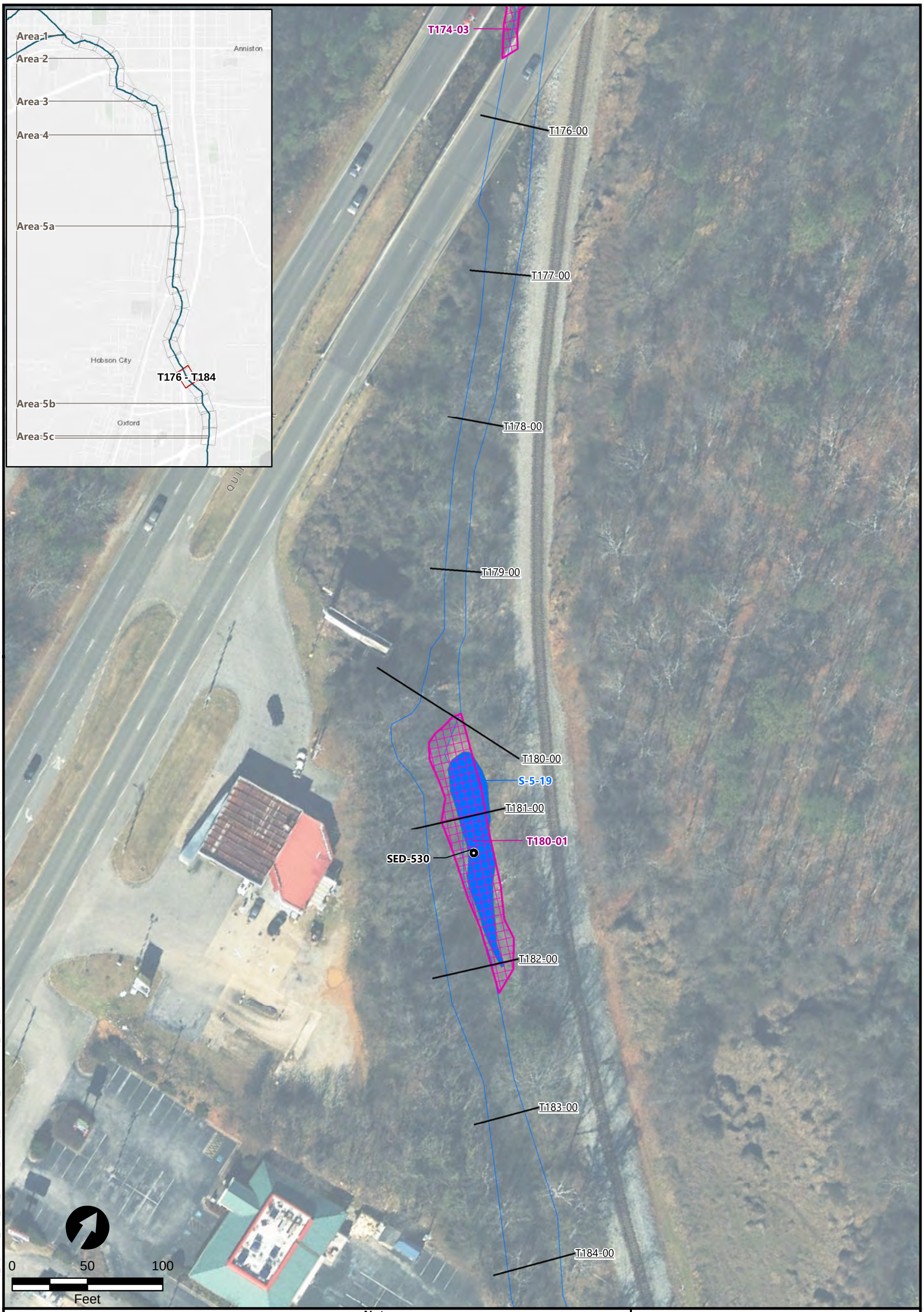
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T169 through T176

Solutia Ingenuity Productivity Performance

Figure 2x

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- < 3 mg/kg PCB (estimated concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
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USEPA: U.S. Environmental Protection Agency

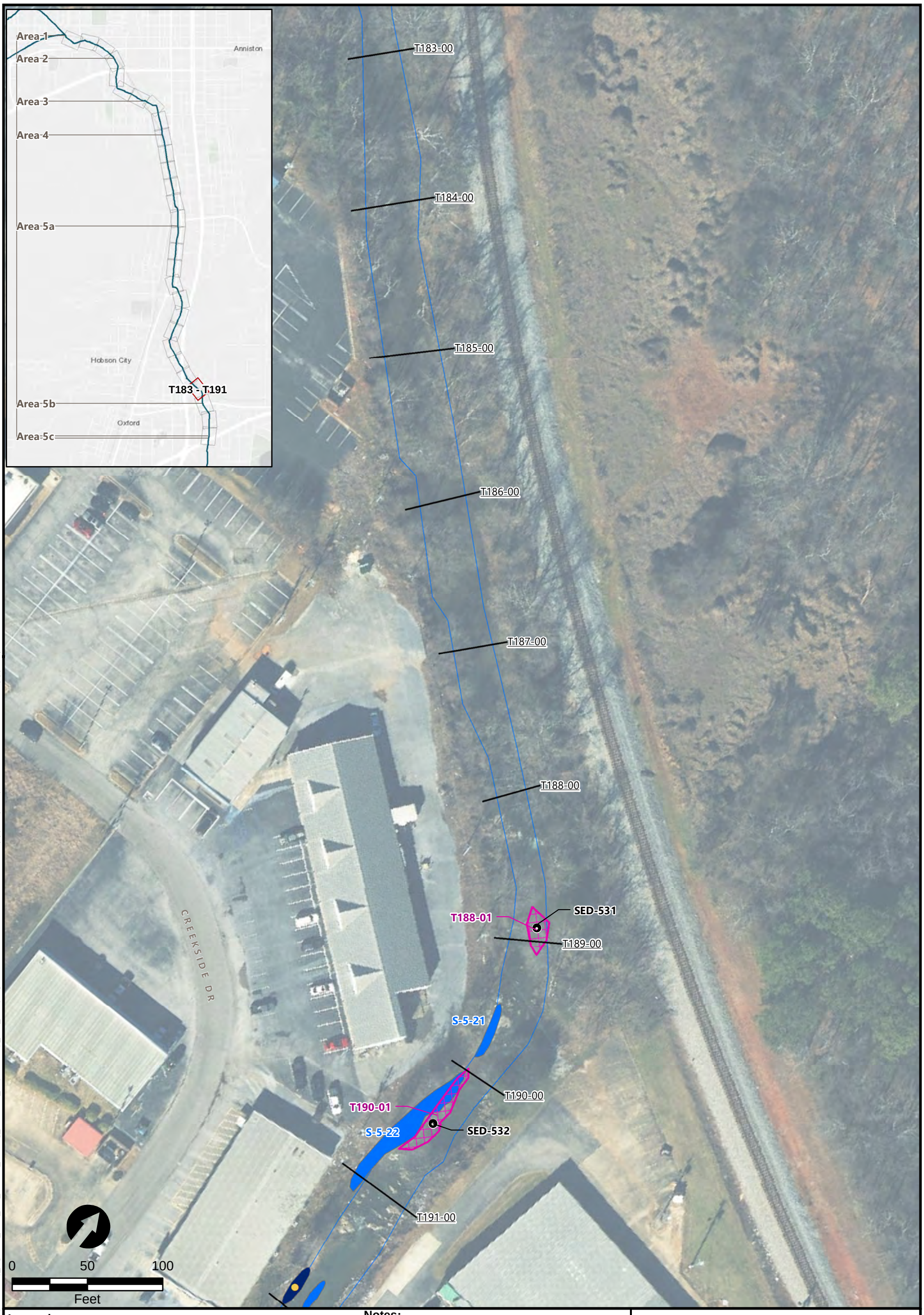
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T176 through T184

Solutia
Ingenuity Productivity Performance

Figure 2y

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (estimated concentration)
- < 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
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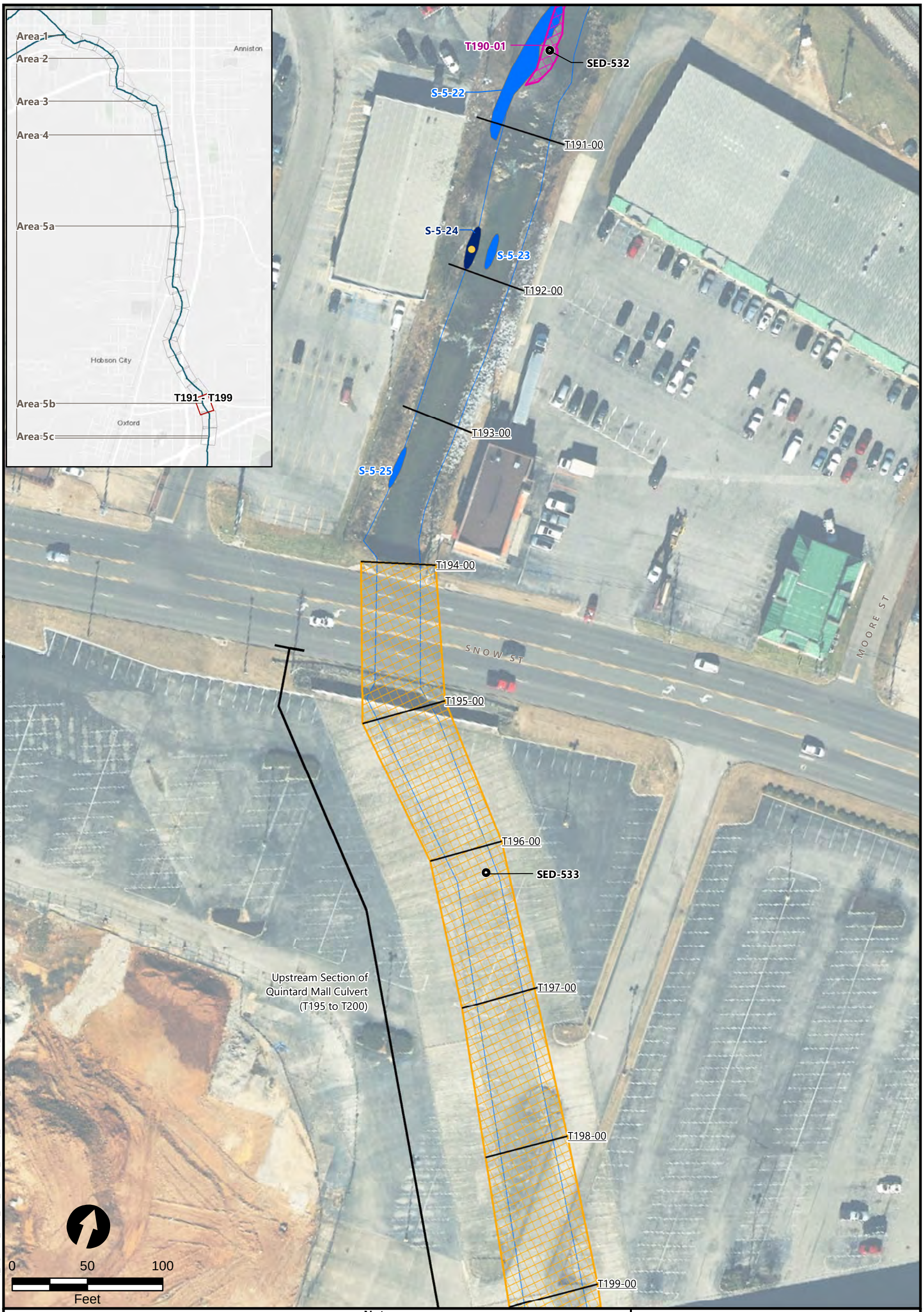
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T183 through T191

Solutia
Ingenuity Productivity Performance

Figure 2z

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Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)
- Confined Space

Previous Snow Creek Sediment Deposits (1999 RFI)

- Previous Sediment Sample Location
- < 3 mg/kg PCB (estimated concentration)
- < 3 mg/kg PCB (average concentration)

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
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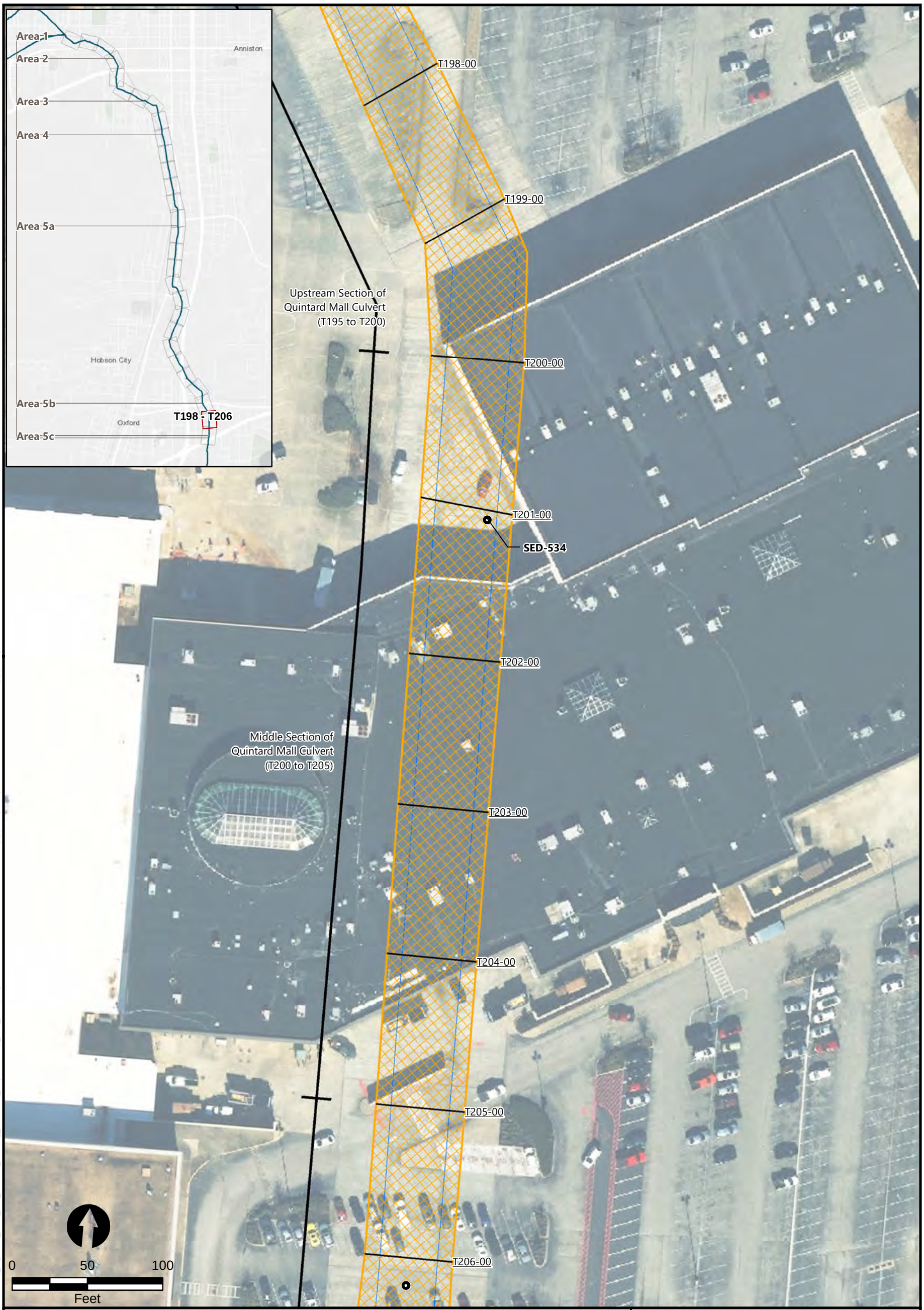
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T191 through T199

Solutia
Ingenuity Productivity Performance

Figure 2aa

File Path: \\GSTFILE01\gis\Jobs\Solutia\nc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:09:24 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- Confined Space

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

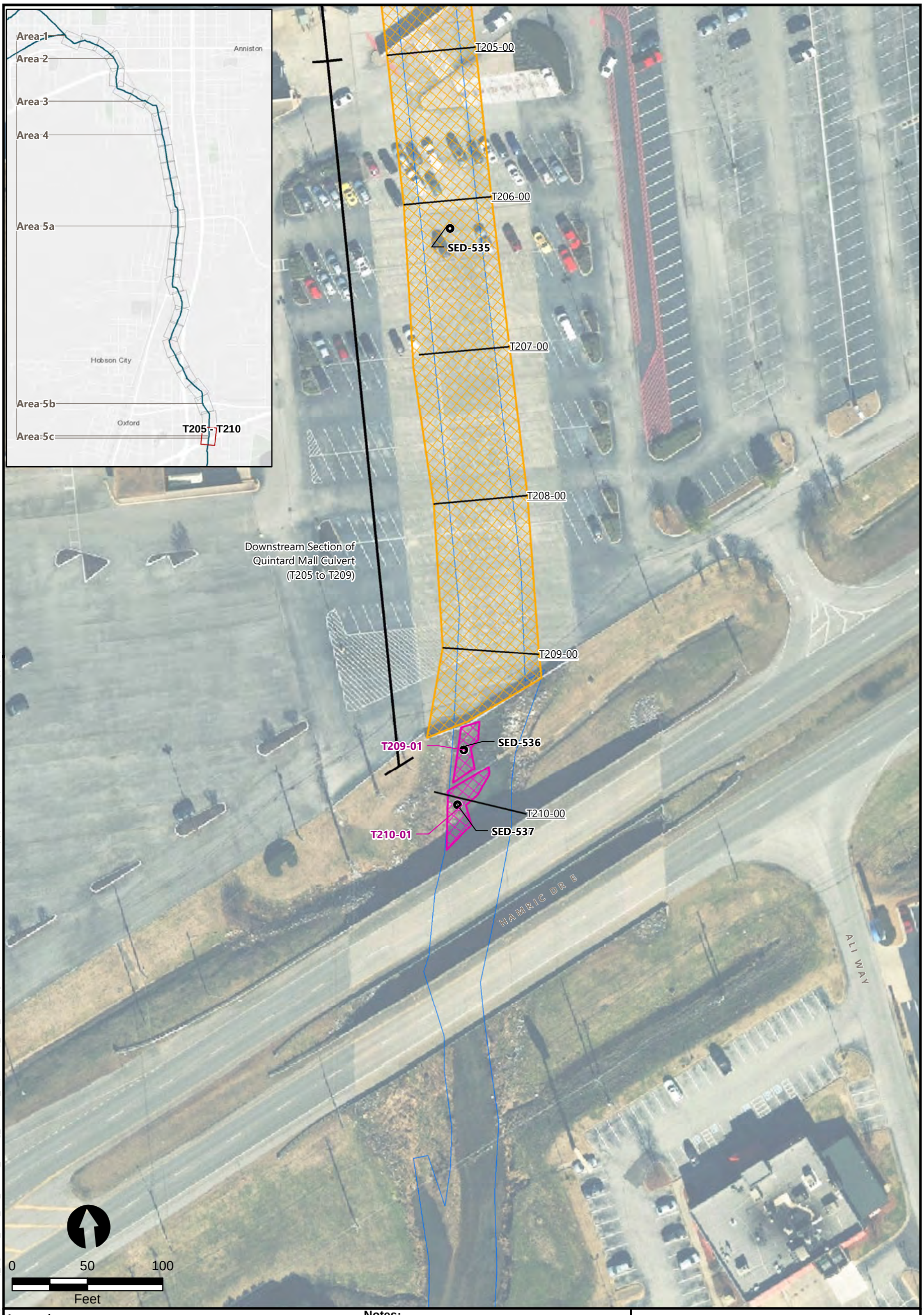
Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T198 through T206

Solutia
Ingenuity Productivity Performance

Figure 2bb

File Path: \\GST\FILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_Site\Maps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:09:35 AM by jquinley



Legend

- PDI Stations/Transects (100-foot spacing)
- Snow Creek (approximate)
- 2024 Proposed Sediment Sampling Location
- PDI Sediment Deposit (November 2023)
- Confined Space

Notes:

1. Aerial imagery is from Calhoun County (acquired: January 2021).
2. Previous Snow Creek sediment deposits are based on the 1999 RFI.
3. PDI sediment deposits are based on Phase 1 sediment probing conducted in November 2023.
4. Phase 2 sampling will be conducted after EPA approval of the proposed sampling locations.

mg/kg: milligrams per kilogram
PDI: predesign investigation
PCB: polychlorinated biphenyl
RFI: Resource Conservation and Recovery Act Facility Investigation
USEPA: U.S. Environmental Protection Agency

Anniston PCB Site
Anniston, Alabama
OU-1/OU-2 Predesign Investigation
Phase 1 Sediment Probing Summary

Sediment Deposit Locations and Proposed Phase 2 Sediment Sampling Locations: T205 through T210

Solutia Ingenuity Productivity Performance

Figure 2cc

File Path: \\GSTFILE01\gis\Jobs\SolutiaInc_1718\Anniston_PCB_SiteMaps\PDI\AQ_Fig2a-cc_DDP_PDI_Phase1_Probing_Sediment_DepositsProp_Ph2_Sampling.mxd / Modified 4/5/2024 10:01:31 AM by jquinley / Exported 4/5/2024 10:09:45 AM by jquinley

APPENDIX G-2

Letter from Pamela Scully dated July 22, 2024, Approving with Comments the Predesign Investigation Data Summary Report: Phase 1 Sediment Probing

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIO N 4 ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

July 22, 2024

Ms. E. Gayle Macolly
Manager Remedial Projects
Solutia Inc.
702 Clydesdale Avenue
Anniston, Alabama 36201

Re: Predesign Investigation Interim Data Summary Report:
Phase I Sediment Probing OU-1/OU-2 Portion of the
Anniston PCB Site, Anniston, Alabama

EPA CERLA ID # ALD000400123

The U.S. Environmental Protection Agency has reviewed the Predesign Investigation Interim Data Summary Report: Phase I Sediment Probing OU-1/OU-2 Portion of the Anniston PCB Site, Anniston, Alabama dated May 10, 2024. The EPA is approving with the following comments about the Phase II Sampling Plan proposed:

Comment 1: Section 3 Proposed Phase 2 Sampling Plan
Section 2.2 includes the following narrative regarding the implementation of the Phase 1 probing activities:

> The Phase 1 field reconnaissance and probing were accomplished by wading along Snow Creek during periods of low to normal creek flow. The Phase 1 sediment probing was generally conducted from upstream to downstream at accessible locations of the creek; however, adjustments to this sequence were made, when necessary, in consideration of property access, the need for railroad flag person oversight in particular sections, available daylight hours, and forecasted weather conditions.

Please provide a similar description of the Phase 2 sediment sampling implementation plans in Section 3.

Comment 2: Section 3 Proposed Phase 2 Sampling Plan, Page 6, fourth paragraph, first bullet
This bullet includes, "For uncharacterized sediment deposits larger than 50 cubic yards, up to five full-depth subsamples will be collected…" In Table 5, each of the > 50 cubic yard (yd3) deposits indicate five full-depth subsamples. Please clarify Section 3 to indicate that five full-depth subsamples is the acceptable amount.

Comment 3: Section 3 Proposed Phase 2 Sampling Plan, Page 7, first full paragraph – This paragraph includes, "Due to its size, five sediment samples will be collected from sediment deposit T161-02,…"

Table 5 indicates that each of these five samples will be composites from five full-depth subsamples. Please add this detail to Section 3.

Comment 4 Table 5 – It is unclear which of the categories described in Section 6 (>50 yd3, 5 to 50 yd3, or 1 to 5 yd3) each of the Phase 2 samples IDs fall within. EPA suggests adding a column between Sample Location and Transect listing the volume of each deposit, as listed on Table 2.

Comment 5: Figures 2a through 2cc – EPA suggests using color shading to differentiate between the three sizes of sediment deposits (i.e., one color for >50 yd3, another color for 5 to 50 yd3, and a third color for 1 to 5 yd3). EPA also suggests using different symbols for the proposed grab sample locations and the proposed composite sample locations.

If you have any questions or concerns, please contact me at (404) 562-8935.

Sincerely,

PAMELA SCULLY

Digitally signed by PAMELA SCULLY
Date: 2024.07.22 10:29:32 -04'00'

Pamela J. Langston Scully, P.E.
Remedial Project Manager
Superfund Restoration and Construction Section

cc: Marwa Sabeeh, ADEM
Tom Dahl, District Court Special Master
Todd Harbage, HGL

APPENDIX H
Utility Survey Locate Report

September 24, 2025

Geosyntec Consultants, Inc.

Attn: Courtney Thomas, PhD
clthomas@geosyntec.com

RE: Geophysical Letter Report | Project # 240312
Geophysical Investigation – Anniston, Alabama PCB Sites
Anniston, Alabama

Collier Geophysics, LLC (Collier) is pleased to present the findings of a geophysical investigation conducted on behalf of Geosyntec Consultants, Inc. (Geosyntec) at approximately 60 separate areas in and around Anniston, Alabama. These sites were investigated for subsurface utilities, buried debris, buried concrete, and other subsurface hazards to facilitate intrusive soil sampling activities.

The geophysical investigation was completed per the scope of work (SOW) proposed by Collier, and Geosyntec's request for proposal for the referenced project. Collier utilized several methods in conjunction to conduct the investigation: radio-frequency electromagnetic (RFEM), ground penetrating radar (GPR), and magnetic locators.

This onsite data collection was performed during multiple mobilizations between October 28, 2024 and January 23, 2025 and was led by Collier geophysicists Jorgen Bergstrom and Jordan Rajcok. Multiple underground utilities were detected, field marked and located with GPS. Also, multiple geophysical anomalies were identified in the geophysical data sets that could potentially be caused by underground storage tanks, subsurface metal, waste, or construction debris. The following letter report details the geophysical investigation, including site information, data acquisition, processing and interpretation.

Overview

The approximately 60 sites were located on commercial, industrial and residential properties, as well as waterways and floodplains. The sites, which contain soils potentially impacted by Polychlorinated biphenyl (PCB), were investigated with geophysical methods as part of a predesign investigation workplan to be used to develop remedial design.

Accessibility at the sites varied from easily accessible open areas, to partly accessible due to vegetation, buildings, fences, steep terrain, and other obstructions.

Geophysical Methods

Data was collected throughout the areas of investigation using GPR, a RFEM pipe and cable locator, and a magnetic locator. GPR and magnetic locating sweeps were collected in accessible areas along orthogonal sets of transects. RFEM scans were conducted using direct connect, induction, and passive sweeps. Data from all three methods were interpreted in the field and features were marked using paint.

Ground Penetrating Radar (GPR)

The GPR method is based on the recording of reflected electromagnetic waves that are transmitted into the subsurface using a transmitter (TX) and receiver (RX) antenna pair. The reflections are stored as a time series (known as traces) representing reflection "strength" or amplitude as a function of travel-time. Travel-time is the time required for the transmitted energy to travel down into the subsurface, reflect off an interface of contrasting electromagnetic impedance, and travel back up to the surface to be recorded by the GPR receiver. Therefore, this time is often referred to as two-way travel-time (TWTT). The TWTT is then converted to depth below ground surface by measuring or assuming a velocity for the reflected electromagnetic waves. As the GPR instrument is moved to different locations on the surface, different reflection series are recorded which represent changes in the subsurface EM impedance/reflectivity distribution.



PinPointR GPR

GPR signals are sensitive to the presence of a variety of subsurface materials including: buried objects (metallic and nonmetallic), air-filled voids, water saturated sediments, and geologic boundaries. Collier collected GPR data using an ImpulseRadar PinPointR dual-frequency 400/800 Mhz GPR antenna across the sites. GPPR-identified utilities were marked in the field with spray paint using industry-standard colors.

Radio-frequency Electromagnetics (RFEM)

A transmitter is used to place a particular frequency radio signal on utility lines via induction or direct connection. The instrument receiver can detect various frequency radio signals transmitted on conductive utilities such as steel pipes and copper wires. The receiver can also detect passive frequency radio signals present without a transmitter. RFEM scans are unable to detect nonconductive utilities (e.g. plastic water lines) without a tracer wire.

RFEM scans were done using Radiodetection RD8100 TX10 precision utility locators in conjunction with the GPR to provide real-time utility locating. Where utilities were physically accessible, the Radiodetection transmitter box was directly coupled with them to propagate a current with a unique frequency along the conductive conduit or utility. A receiver wand was then used to identify the location of the connected utility. The RFEM unit was also used in passive mode to detect live electric currents. RFEM-identified utilities were marked in the field with spray paint using industry-standard colors. During RFEM locating, all manholes, handholes, and other utility access points were opened and inspected.



RD8100 Transmitter and Receiver

Magnetic Locator

Magnetic location was performed using a Schonstedt MAC-51Bx Magnetic and Dual-Frequency Pipe and Cable Locator. The locator has functionality for both magnetic locating and cable tracing. For this survey, the instrument was used in magnetic mode, which only requires the receiver unit. The receiver contains two magnetic field strength sensors placed 20 inches apart within the staff. An audio cue will play when the two sensors are measuring different magnetic field strengths. When the lower sensor is higher than the upper sensor, a high pitch tone will play, indicating a strong magnetic source nearby. Due to the placement of the sensors in relation to the user, care must be taken to remove any potential magnetic items from the surveyor to avoid any faulty signals.



Schonstedt MAC-51Bx magnetic locator

Sweeps were made across the sites with the locator at a 45-degree angle to the ground. When a strong signal was identified, the receiver was angled to a fully vertical position, and small, sweeping patterns were made to pinpoint the location of highest magnetic strength. Locations of identified features were marked in the field with marking paint.

RTK/GPS

Potential utilities, buried construction debris, underground storage tanks, trash, or other suspected subsurface obstructions and hazard were located using an Emlid Reach RS2 GPS antenna with RTK corrections. The corrections were provided from an Emlid Reach RS2 GPS base station that was setup at each site. Utility surface features (manholes, handholes, valves, meters, fire hydrants, pedestals, pole drops etc.) were also located with GPS.

Results

The results of the investigations were transferred to AutoCAD deliverables by adding the subsurface information to an AutoCAD survey provided by Geosyntec. All AutoCAD deliverables were provided in electronic format to Geosyntec.

Closure

In summary, Collier Geophysics was contracted to perform geophysical investigations at approximately 60 sites in and around Anniston, Alabama. The primary objectives of the geophysical investigation were to assess possible presence of underground utilities, storage tanks, buried debris and waste, and other subsurface obstructions and hazards. USTs, associated underground piping, or buried drums causing soil contamination. Collier performed the investigation utilizing GPR, RFEM, and magnetic locators.

The methods of data acquisition and interpretation for this project are complete as is reasonably possible and have been successfully applied by Collier geophysicists to investigations of similar

size and nature. We believe the results presented herein to be a reasonable preliminary representation of the subsurface conditions. However, due to the subjective nature of any type of interpretation, we cannot guarantee that our results are accurate in all areas. In addition, all subsurface features present at the site may not have been detected or identified. We suggest that key features identified by this survey be confirmed by selective in-situ/ intrusive methods before final models or further decisions are based on findings presented herein.

If you have any questions regarding the field procedures, data analysis, or the results presented herein, please do not hesitate to contact us. For further information regarding the details of the techniques used in this survey, Collier can submit a more detailed method addendum upon request. We appreciate working with you and look forward to providing Geosyntec with geophysical services in the future.

Respectfully Submitted,

Collier Geophysics, LLC

Jorgen Bergstrom, P.G., P.Gp.
Principal Geophysicist

Austin Riggs, G.I.T
Geophysicist

(1 copy e-mailed PDF form)