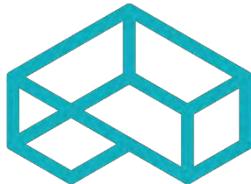


**ELLIOTT DITCH REACHES 4 – 6
GEOMORPHIC ASSESSMENT REPORT**

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1.0 INTRODUCTION

Arconic Corporation (Arconic), formerly Alcoa Inc. (Alcoa) and Arconic Inc., retained Civil & Environmental Consultants, Inc. (CEC) to perform a desktop review and field assessment (Project) of the geomorphic surfaces mapped by TetraTech CES, as documented in its *Elliott Ditch Geomorphic Surface Mapping and Historic Data Review (Geomorphic Study)*, dated July 6, 2015, in Reaches 4 through 6 of Elliott Ditch (Site). The field assessment included survey data collection, preliminary sampling of shallow soil (upper 6 inches), and analytical testing for polychlorinated biphenyls (PCBs) on historic floodplain terraces and upland areas to confirm the geomorphological-based conceptual model. Similarly, it also included sediment surveying (poling), sampling, and analytical testing for PCBs to assess potential deposition in the subject reaches as suggested by geomorphology.

1.1 FACILITY DESCRIPTION

The Arconic Lafayette Operations (Facility) reside at 3131 East Main Street in Fairfield Township, Tippecanoe County, Lafayette, Indiana, and produces aluminum extrusions serving an international market. The extrusions include tube, aerospace components, and oil and gas drilling products. Arconic began production at the Facility in 1937 and the Facility currently includes roughly 2.3 million square feet of operations on 172 acres. Topographic relief in the area ranges from approximately 650 to 670 feet above mean sea level (MSL). The locations of the Facility and Elliott Ditch are shown on **Figure 1**.

1.2 DESCRIPTION OF ELLIOTT DITCH

Elliott Ditch is a tributary to Wea Creek, which is a tributary to the Wabash River, just downstream of Lafayette, Indiana. Please refer to **Figure 1** for the location of Elliott Ditch and associated streams. In addition to its base flow, Elliott Ditch receives wastewater and storm water discharges from local industrial and residential sources, including from a National Pollution Discharge Elimination System (NPDES) permitted outfall (Outfall 001) from the Facility. Outfall 001 is situated approximately 1-mile south of the Facility. Discharge from the outfall includes treated

sanitary and industrial process water, as well as storm water. The distance from the outfall to the Elliott Ditch and Wea Creek confluence is approximately 4.1 miles and to the Wabash River is approximately 7.5 miles. The geomorphic surface mapping completed for Elliott Ditch by TetraTech CES, as documented in the *Geomorphic Study*, suggests that Elliott Ditch has eight distinct reaches (erosional/depositional regimes):

- Reach 1: Outfall 001 to downstream of the railroad bridge
- Reach 2: The railroad bridge to the South 18th Street Bridge
- Reach 3: South 18th Street Bridge to upstream of the 9th Street Bridge
- Reach 4: South 9th Street Bridge to north of Brookside Drive
- Reach 5: North of Brookside Drive to downstream of Poland Hill Road
- Reach 6: Downstream of Poland Hill Road to downstream of Old Romney Road Bridge
- Reach 7: Downstream of Old Romney Road Bridge to upstream of US Hwy 231 South Bridge
- Reach 8: Upstream of US Hwy 231 South to the Elliott Ditch – Wea Creek confluence

This assessment is focused on Reaches 4 through 6 of Elliott Ditch. These are the first three reaches downstream of the regulated drain portion of Elliott Ditch where anthropogenic characteristics were prevalent. More specifically, Reach 4 is the first naturally occurring portion downstream of Outfall 001 from the Facility. The general geomorphic nature of these three reaches, as documented in the *Geomorphic Study*, are as follows:

- Reach 4 is the first naturally occurring reach of the ditch downstream of Outfall 001, featuring meanders and increased sinuosity compared to upstream reaches. Channel gradient increases to 20 feet/mile. Terraces adjacent to the ditch include T-4 through T-6, indicating steep banks. Deposition in the overbank is still limited to larger flood events.
- Reach 5 is similar to Reach 4 in channel gradient and sinuosity; however, Reach 5 has the T-2 through T-4 terraces preserved adjacent to the ditch. The terrace segments are smaller than upstream, and their development is more affected by the sinuosity. The terraces on the inside of the meander bends are fairly well preserved, with depositional point bars often found at the apex of the meanders. This reach has more potential for overbank deposition than Reaches 1 through 4 due to the sinuosity of the ditch and the lower elevation terrace development.
- Reach 6 is characterized by an increased gradient relative to upstream reaches (28 feet/mile) and an increase in valley wall width. The broader valley allows terrace development and promotes overbank deposition as the ditch meanders over time. The terrace sequence ranges from T-1 to T-6 terraces. The lower terraces are subject to overbank deposition.

The investigation of soils and sediments was performed in general accordance with the regulatory-approved *Field Sampling Plan (FSP)*, as prepared by TetraTech CES and dated February 2, 2016. The only deviation included limiting soil sampling to the upper 6 inches. Please refer to **Figure 1** for a Vicinity Map and **Figure 2** for the Study Area. This report presents our observations, findings, and discussion regarding the Project.

1.3 TIMELINE OF RELEVANT EVENTS

Elliott Ditch has been subject to previous assessments and remediation due to evidence of PCBs having been released through Outfall 001. Samples of fish, water, and sediment collected in the 1980s from Elliott Ditch and Wea Creek indicate that PCBs are present in these media. In response to these findings, Arconic conducted in-stream remediation of sediment and instituted an enhanced wastewater treatment program for targeted removal of PCBs. In 1990, Arconic excavated sediments in the Elliott Ditch starting 100 feet upstream of Outfall 001 and ending at the 18th Street Bridge. In the late 1990s, Arconic instituted a wastewater management program, which significantly reduced flow to Outfall 001 through the removal of non-contact cooling water. Arconic also began to treat its dry weather discharge to Elliott Ditch using canister filter systems in January 2000. From the late 1990s to the early 2002, Arconic and the U.S. Environmental Protection Agency (USEPA), Region 5 negotiated a Clean Water Act (CWA) Consent Decree to address the NPDES permit exceedances at Outfall 001. The CWA Consent Decree was fully executed in 2002 and included provisions associated with the assessment of Elliott Ditch. In 2007, Arconic developed and implemented a Natural Media Filtration (NMF) treatment process. The combination of improvements to treatment processes and the reduction of water usage have essentially eliminated additional PCB mass from being discharged from Outfall 001 to Elliott Ditch.

Starting in 2003, Arconic commenced assessment activities at Elliott Ditch as specified in the CWA Consent Decree. The CWA Consent Decree required that sediment, surface water, and fish tissue be assessed for PCB impacts associated with releases from Outfall 001. Arconic completed the last of the CWA Consent Decree requisite assessments in 2012, satisfying this obligation. When results from these assessments quantified PCB-impacts to Elliott Ditch, Arconic proceeded

with performing geomorphology-based assessments, starting in Reaches 1 through 3. The initial geomorphology-based assessments occurred in 2017 and 2018 and were focused on soil and sediment in the upper three reaches of Elliott Ditch. The assessments quantified PCB impacts to soil located in historic floodplain terraces and anthropogenic features (such as the levee in Reach 1) and to sediment in depositional environments. Arconic remediated the levee in Reach 1 during the summer of 2020 and sediment and isolated soil in the summer of 2021. The last remediation activity remaining in Reaches 1 through 3 was the cleanup of two historic floodplain terraces on the north side of the ditch in Reach 3, which occurred in the fall of 2022.

Provided below is a brief chronological summary of historic events that have led to the performance of this geomorphic assessment.

- 1980s – Sampling of sediment, water, and fish by Indiana Department of Environmental Management (IDEM)
- Late 1980s – Sampling of sediment, water, and fish by Arconic
- Late 1990-Early 1991 – Arconic removed sediment starting 100 feet upstream of Outfall 001 and ending at the 18th Street Bridge
- Late 1990s through 2008 – Arconic developed and implemented changes to its wastewater management program
- 1999 – Comprehensive sediment and fish sampling by IDEM
- 1999-2002 – IDEM/USEPA sued Arconic under CWA for discharges in excess of NPDES permit limits
- 2002 – USEPA and Arconic entered into Consent Decree, which required, among other things, investigation of Elliott Ditch
- 2003/4 – Arconic performed Phase I, Phase II, and Phase III of Elliott Ditch investigation, which included sediment, water, and fish tissue sampling
- 2008 – Arconic performed Phase IV of the Elliott Ditch investigation, which included fish tissue and water sampling, and submitted a Report to USEPA
- 2010 – Arconic performed Phase V-A of Elliott Ditch investigation, which included sediment sampling
- 2011 – Arconic performed a monitoring program, which included sediment and water sampling, for a soluble oil spill
- 2012 – Arconic Phase V-B of Elliott Ditch investigation planned, which included fish tissue and water sampling

- 2012/2013 – Arconic performed the Phase V-B investigation of Elliott Ditch to assess fish tissue and water for PCB impacts
- 2014/2015 – Arconic performed a geomorphologic mapping study of Elliott Ditch
- 2016 – Arconic prepared a FSP to collect sediment and soil samples to further assess PCB impacts to the ditch
- 2017/2018 – Arconic implemented the FSP in Reaches 1 through 3 of Elliott Ditch
- 2019 – Arconic planned for the remediation of the levee in Reach 1 of Elliott Ditch, including developing the Interim Measures Work Plan (IMWP), obtaining the necessary permits, and securing access agreements with private property owners
- 2020 – Arconic remediated the levee in Reach 1 of Elliott ditch and began planning for the remediation of sediment and isolated soil in Reaches 1 through 3
- 2021 – Arconic remediated sediment and isolated soil in Reaches 1 through 3 with the exception of two historic floodplain terraces on the north side of Elliott Ditch in Reach 3
- 2022 – Arconic remediated the remaining two historic floodplain terraces on the north side of Elliott Ditch in Reach 3

1.4 REGULATORY CONSIDERATIONS

1.4.1 CWA Consent Decree and RCRA Corrective Action Agreed Order

Investigations of Elliott Ditch from the early 2000s through 2012 were conducted per the Consent Decree between Arconic and USEPA. The Consent Decree is associated with Clean Water Act violations and has only one remaining obligation to be met prior to its closure. The Facility is subject to Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) and it entered into a RCRA CA Agreed Order with the IDEM in September 2020. Arconic has petitioned USEPA, Region 5 for coordinated approval of the RCRA CA Agreed Order. As of the date of this report, coordinated approval has not been received. Outfall 001/Elliott Ditch/Wea Creek is identified as Solid Waste Management Unit (SWMU) 50 and is subject to the RCRA CA Agreed Order. Arconic is in the process of implementing a RCRA Facility Investigation (RFI) and this Project was performed as part of the RCRA CA process.

1.4.2 PCB Source and Release Date

Arconic has performed a detailed review of historic operations at the Facility to determine the source and release date of the PCB impacts identified in Elliott Ditch. Results of the review concluded that releases of PCBs at and from the Facility occurred prior to 1978. Details regarding the review have been documented in submittals to IDEM and USEPA and the conclusion regarding the release date of PCBs at and from the Facility is included as a finding of fact in the RCRA CA Agreed Order.

1.5 INVESTIGATION STRATEGY AND OBJECTIVE

The strategy of this assessment was to use fluvial geomorphology to refine the erosional and depositional patterns for Elliott Ditch and its current and former floodplains. The process included a desktop review, field survey to verify the desktop review and make corrections (where appropriate), identification of sample transects and locations perpendicular to the stream, and the collection of samples to observe soil and sediment conditions and assess for PCB impacts. The sample locations were selected to assess the various geomorphic surfaces, including both erosional and depositional features, of the Ditch for PCB impacts. The objectives were to identify those features that are impacted by PCBs for potential remediation and confirm features that are unimpacted.

2.0 GEOMORPHIC SURFACE DESKTOP REVIEW

A geomorphic surface desktop review was performed to appropriately plan for and execute the field assessment. The desktop review included the collection of relevant publicly available recent and historical information, georeferencing of data, review, and analysis. A more detailed description of the review approach and a summary of findings is provided in the following.

2.1 REVIEW APPROACH

The geomorphic surface desktop effort included a review of the *Geomorphic Study* and associated shapefiles prepared by TetraTech CES in support of field mapping, surveying, and sampling efforts. The review focused on the characteristics used by TetraTech CES to distinguish between the various geomorphic surfaces, mainly historic floodplain terraces. The shapefiles were imported into Global Mapper (V22.1) with historic and more recent aerial imagery and topographic data.

The aerial imagery and topographic data were obtained from free, publicly available sources, including United States Geologic Survey (USGS) Three-Dimensional Elevation Program (3DEP) bare-ground Light Detection and Ranging (LiDAR) data. Topographic data were downloaded from the USGS National Map Server as point clouds. The most recent topographic data was obtained from Indiana State LiDAR 3D Elevation Program (3DEP) survey that was able to be downloaded in point cloud format. The most recent 3DEP topographic data was collected via aircraft on October 19, 2018. CEC also downloaded the 100-year and 500-year special flood hazard limits from the Federal Emergency Management Map Services Library. Historical aerial imagery from 1939, 1957, 1963, 1971, 1976, and 1989 were obtained from publicly available sources. These data were all georeferenced and reviewed in GIS.

The aerial imagery, topographic data, and flood delineations were reviewed with the geomorphic surfaces overlain to assess characteristics, such as elevation, grade breaks, anthropogenic activity and proximity to Elliott Ditch, of the geomorphic surfaces located across the subject assessment reaches. The historical aerial images were used to confirm anthropogenic features and assess the

degree of channel migration that may have occurred since the late 1970s. It was also used to assess for surfaces that could have been misidentified or improperly delineated as part of the *Geomorphic Study* prepared by TetraTech CES. Please refer to **Figures 3A, 3B, 4A, and 4B** for examples of the geomorphic desktop review process.

2.2 REVIEW RESULTS

The geomorphic desktop review resulted in a few noteworthy findings. First, when overlaying the TetraTech CES geomorphic surfaces on historic aerial imagery, it is evident that Elliott Ditch displays stability of the channel alignment and distinct characteristics of many of the historic floodplain terraces that are prevalent in Reaches 4 through 6. In particular, Terraces 5 and 6, which are older and at a relatively higher elevation than more recent surfaces, are interpreted to be stable. Please refer to **Figures 3A and 3B** for the TetraTech CES geomorphic surfaces overlain on historic aerial imagery. Second, when overlaying the TetraTech CES geomorphic surfaces on more recent topography it shows the depositional features are largely located in areas where it would be anticipated based the geomorphic setting. For example, point bars are present on the inside of meander bends and low-lying depositional terraces are generally present adjacent to the point bars. Please refer to **Figures 4A and 4B** which shows the geomorphic surfaces overlain with a digital elevation model of Reaches 4 through 6 of Elliott Ditch. Lastly, when comparing the 500-year flood limit to the geomorphic surfaces mapped by TetraTech CES, it is apparent that some of the T-5 and T-6 terraces are elevated above the 500-year flood limits and are unlikely to have been subjected to flooding conditions. Please refer to **Figures 4A and 4B** which also depicts the 500-year flood limit.

3.0 FIELD ASSESSMENT

Implementation of the field portion of the Project included two separate mobilizations. The first was to perform the geomorphic surface surveying and shallow soil sampling of various historic floodplain terraces. The second mobilization occurred to perform sediment poling and surveying to estimate spatial extents and thickness of deposits, as well as collect sediment cores for analytical testing. The initial mobilization occurred from November 15 through 18, 2021 and the second occurred from February 28 through March 3, 2022.

3.1 PLANNING EFFORTS

A Site and Project-specific Contractor Safety Plan (CSP), Project Safety, Health, and Environmental Review (PSHER), and Safe Work Plan were prepared for the field activities. The CSP incorporated critical components such as fatality prevention, human performance, and stop work criteria. The CSP was reviewed in detail and formally accepted by all field personnel prior to the commencement of field activities. The PSHER and Safe Work Plan are Facility-specific planning requirements identified in the Site Conditions document. The PSHER and Safe Work Plan were prepared and submitted to the Facility and reviewed by field staff prior to the commencement of field activities.

CEC also prepared a Waste Management Plan (WMP) that identified wastes that would be generated during the field effort and outlined how those wastes would be stored, characterized, and managed. The WMP included information applicable to transporting waste materials back to the Facility for secure staging until the material was transported offsite for disposal or managed onsite. The WMP was reviewed by field personnel and understood prior to commencement of field activities.

Lastly, CEC contacted Indiana 811, the public underground utility locating service in advance of each sampling event. Indiana 811 marked those utilities present within public right-of-ways near where shallow soil and sediment sample was to occur. Sanitary sewer, storm sewer, and

underground cable lines are present along various reaches and were demarcated by Indiana 811. Private utility locating was not performed given the depth of and limited nature of the Project.

3.2 GEOMORPHIC SURFACE SURVEYING

CEC's desktop review of the geomorphic surface mapping performed by TetraTech CES assisted in locating potentially misidentified or improperly delineated historic floodplain terraces. A field assessment, which included evaluating transects across Elliott Ditch and through a representative portion of the geomorphic surfaces, was required to accurately delineate boundaries. CEC's field assessment included a subset of the 19 transects from the cross sections identified as numbers 31 through 60 in the *Geomorphic Study* and particularly focused on geomorphic surfaces of interest identified in the desktop review. Please refer to **Figures 5A** and **5B** for the survey transects and geomorphic surfaces. Geomorphic surface boundaries were assessed by collecting topographic data to evaluate elevation changes at the edges of surfaces observed in the field. Anthropogenic features, such as tennis courts and bank stabilization measures, that were observed in the field were also documented to update geomorphic surfaces.

A CEC geomorphologist and survey technician collected topographic survey data at observed, significant grade break points to support updating the geomorphic surface mapping performed by TetraTech CES. The survey was performed using Real Time Kinematic Global Positioning System (RTK-GPS) rover with an accuracy of \pm 2 inches. The spatial location of the survey points were collected in Indiana State Plane West (NAD83 datum) coordinate system in feet, and elevation data was collected in U.S. Survey Feet. The transects identified on **Figures 5A** and **5B** were walked with points being collected at key features, particularly at the top and toes of slopes. Additionally, the top of the Elliott Ditch bank, ordinary high-water mark, and top of the water elevation were also collected during field surveying efforts, as dictated by field conditions. In some instances, the bank slopes were too severe to safely allow for the collection of the described information. A photo log was developed to document the Elliott Ditch channel and conditions of geomorphic surfaces as changes were observed across the subject reaches. Site photographs are provided in **Appendix I**. Cross-sections of the survey transects are shown on **Figures 6A, 6B, 6C, 6D, and 6E**.

3.3 SOIL SAMPLING

As part of the geomorphic assessment performed during the November 2021 mobilization, CEC collected surficial soil samples from selected geomorphic terraces across the study transects. A total of 64 shallow soil samples were collected across the 18 transects. During the February 2022 mobilization, CEC collected an additional 12 shallow soil samples. The supplemental sample locations were selected based upon field observations and analytical testing results from the November 2021 effort that quantified PCB-impacts on similar historic floodplain terraces. Please refer to **Figures 7A and 7B**, as well as **Table 2** for information regarding the soil sample locations. Soil samples were collected in general accordance with the appropriate SOPs found in the *FSP*. However, in a deviation from the *FSP*, soil samples were only collected from the top six inches of material and the sample coring device was not advanced beyond this depth. The purpose of the soil sampling exercise was to observe the shallow soil to assess for alluvial conditions indicative of floodplain deposition. Additional sampling maybe performed at a later date for delineation purposes in areas where deposition was observed, and PCB impacts were quantified above the remedial objective.

Field staff navigated to the approximate soil sampling locations using a handheld GPS unit and collected an approximate six-inch core from each. In some instances, the actual sampling locations differed from those proposed due to observed field conditions and geomorphic characteristics. The actual soil sampling locations and ground elevations were collected in the field using the RTK-GPS unit or a survey total station. Grass, roots, sticks, or other debris present on the surface were removed before placing the collected cores into a plastic bag labeled with location information for subsequent processing and sampling. In between sample locations, disposable sampling equipment was placed into a trash bag and managed along with other miscellaneous trash. Reusable sampling equipment was dry decontaminated by removing excess soil with a gloved hand and then cleaned with distilled water and Alconox solution (i.e., double washed/rinsed) and allowed to dry prior to reuse in accordance with 40 CFR 761.79. After processing and sampling, excess soil was returned to its place of origin.

3.4 SEDIMENT POLING AND SURVEYING

CEC conducted a poling assessment of depositional areas throughout Reaches 4 through 6 of Elliott Ditch following the procedure outlined in the *Standard Operating Procedure (SOP) for Poling Measurements to Estimate Soft Sediment Thickness* of the *FSP*. Field staff performed the poling task in thigh or chest waders without the need of a boat. The poling exercise was conducted using a survey grade RTK-GPS unit and extendable rod with 0.1-foot gradations. The rod was fitted with a 6-inch diameter disc to collect the depth of water above the sediment surface. The water surface, stream bottom, and advancement depth elevations, and spatial locations were collected real time with the RTK-GPS unit. At locations where satellite coverage was limited by canopy cover, spatial data was collected with a survey total station. Poling was generally conducted following a grid-based approach with spacing based on the apparent size of the sediment deposits and extended one grid spacing beyond the apparent boundary of the depositional feature. The boundary of the depositional area is defined as a soft sediment thickness of less than 0.1 feet. Observations, i.e. sediment type, geomorphic setting, and presence/absence of aquatic vegetation, from each poling location were also collected electronically in the surveying equipment.

The poling assessment was used to estimate the size, depth, and volume of sediment deposits, as well as select the sediment sampling locations. In general, the sample locations were selected such that the sediment cores were collected from the area containing the thickest deposits, as observed in the field. Figures displaying the surveyed sediment deposits are presented as **Figures 8 and 8A through 8I**.

3.5 SEDIMENT SAMPLING

CEC collected sediment samples following the SOPs found in the *FSP* at the locations selected based on the poling results. The sediment samples were collected using a handheld SDI VibeCore (VibeCore) mini equipped with dedicated 5-foot, polycarbonate sleeves to achieve the 80-percent recovery requirement specified in the *FSP*. During previous sediment assessments, inadequate recovery was retrieved using other sampling devices due to granular materials present within the

sediment profile. The sediment samples were collected by field staff donning thigh or chest waders and clean nitrile gloves.

The VibeCore was advanced through the sediment profile to underlying refusal with manual pressure. Once advanced to refusal, the sampling equipment was removed from the hole and the polycarbonate sleeve was extracted. Sediment recovery using the VibeCore was more than 90-percent at most sampling locations. The polycarbonate sleeves were capped, stored upright, and transported to the sample processing area for subsequent logging, processing, and sampling. Please refer to **Figures 8A through 8J** and **Table 2** for the sediment sampling locations.

In between sampling locations, disposable sampling equipment was placed into a trash bag and managed along with other miscellaneous trash. Reusable sampling equipment was dry decontaminated by removing excess soil with a gloved hand and then cleaned with a distilled water and Alconox solution (i.e., double washed/rinsed) and allowed to dry prior to reuse in accordance with 40 CFR 761.79. After processing and sampling, excess sediment was containerized and transported to the Facility for proper management.

3.6 SAMPLE LOGGING AND PROCESSING

The soil cores consisted of only the upper 6 inches; therefore, logging following the *Soil Logging* SOP in the *FSP* was not appropriate. Processing of the soil core consisted of removing grass, leaves, sticks, and other debris found on the surface of the core prior to placement in a plastic bag for processing as described in the following.

The sediment cores were processed, logged, and sampled by a CEC Geomorphologist and/or Geologist. Logging of sediment cores was performed in accordance with the *Sediment Logging* SOP in the *FSP*. Materials descriptions and observations were documented by hand on the appropriate field forms. Copies of the completed forms for the sediment samples can be found in **Appendix II**. Sediment samples were collected from each of the observed depositional layers found in the cores. Soil samples were collected from the top six inches of soil at the selected

sample locations. Sediment and soil samples were placed into new plastic bags and mixed with a gloved hand or by kneading through the outside of the plastic bag to create a homogenous sample that was used to fill 4-ounce laboratory provided glass jars. Filled laboratory glassware was stored in an iced cooler. Each of the samples was named according to the convention identified in Section 6.1 of the *FSP*. The naming convention for soil is ED-MP#-SLXX-Interval and the naming convention for sediment is ED-MP#-SDXX-Interval. For example, the first soil sample collected from the upper six inches at Milepost 02.05 is identified as ED-02.05-SL01-0-0.5. Similarly, a sediment sample from the upper six inches at Milepost 02.05 is identified as ED-2.05-SD01-0-0.5.

The samples were shipped under chain of custody to Waypoint Analytical in Memphis, Tennessee. Soil and sediment samples were analyzed for PCBs via EPA Method 8082 following sample preparation Method 3540.

There were 28 sediment samples, including two duplicates, and 76 soil samples, including five duplicates collected as part of these assessments. For QA/QC purposes, the field duplicates were collected at a ratio of approximately one per twenty samples. Additionally, one equipment/rinsate blank was collected during each day of field sampling. The QA/QC sample nomenclature followed the same convention discussed previously and used qualifiers such as “FD” for field duplicate and “EB” for equipment blank.

3.7 INVESTIGATION DERIVED WASTE MANAGEMENT

There was little excess sediment and soil generated during the sampling efforts. A majority of the recovered media was placed into laboratory provided glassware. However, disposable materials (i.e. spent personal protective equipment, plastic sleeves, decontamination rags, etc.) and some excess sediment that were generated as part of this investigation were deposited in a “PCB containing” roll-off staged at the Facility for off-Site disposal. The roll-off was staged in a designated hazardous material storage building. Based on the analytical testing discussed in the following section, the disposable materials and sediment contained less than 50 mg/Kg PCBs and were managed by the Facility at a RCRA Subtitle D landfill under an existing waste profile.

4.0 FINDINGS

Provided in the following is a summary of the findings from the November 15 through 18, 2021 and February 28 through March 3, 2022, assessments.

4.1 GEOMORPHIC SURFACE REVISIONS

In general, the geomorphic surface mapping performed by TetraTech CES as documented in the *Geomorphic Study* is accurate today. There are a few minor changes as noted in the following based on field observations:

- Reach 4, Milepost 1.74 – The delineated F, T-2, T-3 Terraces on the south side of Elliott Ditch are a single T-2 feature. The delineated T-4 and T-5 terraces are a single T-4 feature.
- Reach 4, Milepost 1.96 – The delineated T-3 and T-4 Terraces on the south side of Elliott Ditch are a single T-3 feature. This revision is reflected in Figure 4.
- Reach 4, Milepost 2.20 – Much of the delineated T-2 Terrace no longer present; the river has cut through the Terrace at that location and created a small mid channel bar.
- Reach 4, Milepost 2.23 – Much of the delineated T-2 and Floodplain Terraces on the north side of Elliott Ditch are no longer present; the river has cut through the Terrace at that location and created a small mid channel bar.
- Reach 5, Milepost 2.46 – The delineated T-2 Terrace on the south side of Elliott Ditch is no longer present; the soils in this area have been regraded for a home site. The T-2 Terrace is indistinguishable from the T-3 Terrace in the existing conditions.
- Reach 5, Milepost 2.80 – The T-1 and T-2 Terraces closest to the north side of Elliott Ditch are no long present. The river has cut through the Terraces at that location and created a small mid channel bar.
- Reach 5, Milepost 2.90 – A previously unmapped T-2 feature was identified on the south side of Elliott Ditch. This T-2 was previously mapped as part of the larger T4 surface that is adjacent.
- Reach 5, Milepost 2.93 – The F, T-1, and T-2 Terraces closest to the north side of Elliott Ditch are no longer present. The river has cut through the Terraces at that location and created a high mid-channel bar.
- Reach 6, Milepost 3.08 – The T-3 Terrace on the south side of Elliott Ditch is indistinguishable from the adjacent T-2 Terrace and should be reclassified as a T-2.

4.2 SEDIMENT THICKNESS AND VOLUME EVALUATION

A total of 13 sediment depositional areas were identified in Reaches 4 through 6 of Elliott Ditch. The two deposits identified at Mileposts 02.94 and 02.96 are collectively referred to as a single area when totaling the 13 areas. The data collected during poling was processed for an analysis of the 13 sediment depositional areas within Reaches 4 through 6 of Elliott Ditch. The analysis included estimating the extents of depositional areas, the thicknesses of the observed soft sediment layers, and approximate volume. CEC has prepared figures identifying the confirmed depositional area extents and sediment thicknesses. AutoCAD Civil3D software was used to perform the described analysis and generate the figures. Please refer to **Figure 8** and **Figures 8A through 8I** for the results of the poling task.

A summary of each of the 13 depositional areas can be found in **Table 3**. Soft sediment deposits in Reaches 4 through 6 of Elliott Ditch were limited and, when present, tend to exist in the form of minor point bars or inner-berm features. All but one of the soft sediment deposits was small in area, ranging from roughly 100 square feet to up to just under 1,000 square feet. The lone outlier, the two deposits situated at Mileposts 02.94 and 02.96 which are treated as a single area, was 4,980 square feet. Ten of the 13 deposits are less than 2 feet thick. The other three are between 2 feet and 2.60 feet in thickness. The estimated volume of the soft sediment depositional areas ranged from two to 60 cubic yards, the largest of which is the combined deposits at Mileposts 02.94 and 02.96.

4.3 SEDIMENT CHARACTERISTICS

Sediment samples were collected within Elliott Ditch to the depths identified during the poling and surveying field effort to assess characteristics and collect samples for PCB analytical testing. Most of the sediment samples were comprised of brown, single grain (poorly graded), medium sand. There was little to no change in the sediment characteristics with depth. There were a few isolated locations where this sand was more well-graded. There was one location in Reaches 4 through 6 of Elliott Ditch where the sediment characteristics differed from those previously described. The sediment at Milepost 01.77, identified as sample ID ED-01.77-SD01, contained

greyish brown, loamy sand with varying gradations. The field sampling sheets for the sediment which include the detailed descriptions can be found in **Appendix II**.

4.4 SEDIMENT SAMPLING PCB ANALYTICAL RESULTS

The sediment samples were collected and analyzed as discussed previously. A summary of the PCB analytical results for the sediment samples is provided in **Table 4** and the associated laboratory analytical reports can be found in **Appendix III**. A total of 28 sediment samples and two duplicates collected and submitted for analytical testing for PCBs via EPA Method 8082 and preparation Method 3540. PCBs were quantified in all 28 samples ranging from 0.11 milligrams per Kilogram (mg/Kg) to 1.76 mg/Kg. PCBs were quantified at concentrations greater than 1.0 mg/Kg in two of the 28 sediment samples. PCB concentrations exceeding 1.0 mg/Kg were found at Mileposts 01.77 and 02.36 in the deepest sample interval from each of these locations. Aside from the two samples that exceeded 1.0 mg/Kg noted previously, no other sediment sample, including the duplicates, exceeded 0.56 mg/Kg. Reported PCB quantifications were for Aroclor 1248 which is consistent with what was predominantly used at the Facility. All concentrations of PCBs have been reported on a dry-weight basis.

4.5 SOIL CHARACTERISTICS

This assessment included sampling of the upper 6 inches of soil only. Shallow soil characteristics found in the upper 6 inches of Reaches 4 through 6 were similar to those found in Reaches 1 through 3. Soils were typically light brown to black in color and had varying degrees of plasticity due to the presence of clays and silts. Root, leaf, and rock content was observed; however, it was typically less than 15-percent. Wood content was not observable. There were no distinguishable odors present in any of the soil samples. The granular structure of the soils was typically fine to very fine, and it consisted predominately of loam with varying amounts of silt and sand. The loamy soil was observed to be loose, poorly graded, and contained organics. The soils sampled on all terraces are dominated primarily by topsoil characteristics of a mature forest, with a minor component of alluvial silts and sands.

One exception to the noted soil characteristics was present on the southern side of Elliott Ditch at Milepost 02.45. It was evident that localized grading had occurred in this area in support of a residential home development. The soil characteristics of the upper 6 inches on the T-3 surface in this area resembled that of local fill. Compared to the loamy soil described previously, this material contained a higher clay content with an increase in well graded sand as the terrace approached Elliott Ditch. The observed soil was also dense likely due to mechanical equipment compaction during property development activities. It is likely that the T-3 surface has been partially disturbed and mixed with local fill.

4.6 SOIL SAMPLING PCB ANALYTICAL RESULTS

The soil samples were collected and analyzed as discussed previously. Please refer to **Table 5** for a summary of the PCB analytical results for the soil samples and **Appendix III** for the associated laboratory analytical reports. A total of 76 soil samples and five duplicates were submitted for analytical testing during implementation of these assessments. PCBs were quantified in 63 of the 76 soil samples at concentrations ranging from 0.01 mg/Kg to 28.6 mg/Kg. PCBs were quantified at concentrations greater than 1.0 mg/Kg, the remedial objective, in 35 of the 76 soil samples and at concentrations greater than 10 mg/Kg in 11 of the samples.

The PCB analytical data from the soil sampling was evaluated based on the geomorphic surfaces and Mileposts to assess for similarities. The lone floodplain surface sampled resides at Milepost 02.00 and PCBs were quantified at a concentration of 1.34 mg/Kg. All five of the T-1 surface samples had quantified PCB concentrations, with three being more than 1.0 mg/Kg. The quantified PCB concentrations ranged from 0.29 mg/Kg to 2.74 mg/Kg. There were 16 samples collected from T-2 surfaces with ten exceeding 1.0 mg/Kg. The quantified concentrations of PCBs from the T-2 surfaces ranged from non-detect to 17.9 mg/Kg, and concentrations generally decreased when moving downstream. There were 18 samples collected from T-3 surfaces with 11 containing PCB quantifications above 1.0 mg/Kg and 15 samples from T-4 surfaces with 8 exceeding the threshold. The ranges of PCB quantifications were from non-detect to 20.5 mg/Kg and non-detect to 19.80 mg/Kg on T-3 and T-4 surfaces, respectively. There were five samples collected from T-5 surfaces and four from T-6 surfaces and each had one quantified PCB

concentration greater than 1.0 mg/Kg. The quantifications greater than 1.0 mg/Kg on these surfaces exceeded 10 mg/Kg and are in areas that have likely been influenced by anthropogenic activities. PCB concentrations, if quantified, in the upland soil were typically observed to be less than 0.1 mg/Kg. The lone exceptions come from the upland surfaces at Mileposts 02.23 and 02.29, which had PCBs quantified at concentrations of 0.50 mg/Kg and 0.65 mg/Kg, respectively.

In general, the highest concentrations of PCBs were quantified in samples collected from Reaches 4 and 5, particularly upstream of Milepost 02.70. At Milepost 02.64 an unnamed tributary discharges to Elliott Ditch. This tributary drains an area of approximately 3.4 square miles and at the confluence of the tributary and Elliott Ditch the total drainage area is approximately 14.4 square miles. Therefore, the tributary accounts for approximately 20-percent of the total watershed at the confluence of these two streams. From this point moving further downstream, Elliott Ditch exhibits a steeper gradient and an increase in the valley wall width. There are few preserved, older floodplain terraces downstream of Milepost 02.70 and PCB impacts to shallow soil exceeding 1.0 mg/Kg are limited to the younger, low lying floodplain terraces (T-1 through T-3).

4.7 GEOMORPHIC ASSESSMENT

The *FSP* is based on the geomorphology of Elliott Ditch and the understanding that PCBs tend to adsorb to finer grained materials, i.e. silt and clay sized particles that often contain organic matter. The geomorphic and anthropogenic features of the ditch have influenced depositional patterns both within the channel sediment and floodplain soil. The assessment approach includes the collection of sediment and soil samples along transects of known depositional and erosional features. The transects included sediment samples being collected from within the ditch itself, and soil samples being collected from the observed geomorphic surfaces or terraces and upland areas to assess the distribution of PCBs associated with historic releases from Outfall 001.

The results of this assessment support the geomorphology-based sampling. The upland areas and higher terraces are characterized by non-detectable or less than 1.0 mg/Kg (19 of 21 samples) sampling results. Based on comparison of these feature locations and FEMA 100-year and 500-year flood maps, these areas would have the least frequent exposure to alluvial deposition based

on the existing morphology of the valley. Further, large flow events that may have reached these terraces would have occurred infrequently, resulting in few opportunities for deposition to occur. There is a single T-5 feature that did not follow this trend in the data. However, this terrace is located on a recently regraded (in the past 5 years) home site. It is likely that sediment from lower terraces adjacent to the ditch was mixed with the institute soils of the T-5 feature at this location. Additionally, there is a T-6 surface that also did not follow this data trend. Like the T-5 feature, this T-6 surface also resides in area subjected to anthropogenic activities; specifically, a utility crossing is present downstream of this terrace (approximately 300 feet) which serves as a low-head dam. The presence of the utility crossing likely promotes sediment deposition by decreasing the water velocity and potential creating pools that otherwise would not naturally occur.

In general, the bulk of soil samples with PCB concentrations greater than 1.0 mg/Kg were collected from T-4, T-3, T-2, and T-1 features; with concentrations generally dropping as the terrace numbers (a surrogate for terrace height) decrease from T-4 to T-1. The higher features in this group, T-2, T-3, and T-4, were likely subjected to deposition at lower flood stages when PCBs were being released from Outfall 001 in the 1960s and 1970s. These terraces are now subject to flooding conditions less frequently, leaving little opportunity for erosion or further deposition and presenting PCB impacts to shallow soils.

The only detection in an active floodplain terrace is on the low end of the range of concentrations quantified. These trends in the results track with geomorphic observations made during the desktop review and during the field data collection. The lowest features, F and T-1, are more likely to be immediately adjacent to bank full flows and therefore are more prone to being formed and eroded in a much shorter span of time than features that are spatially removed from the main flow of Elliott Ditch. The result of these features being more frequently formed and eroded (mobilized) is that they are generally “younger” and are subject to more frequent deposition. It is expected that more recent deposition, e.g., within the last 40 years, would be primarily clean sediment since the source of PCBs from Outfall 001 had been remedied. However, PCB-impacted soil or sediment from upstream could also be remobilized and deposited on these features. The cumulative effect presents PCB impacts to shallow soils that tend to be lower in concentration than

the T-2, T-3, and T-4 surfaces. The trend in these results can be seen in the data summary provided in **Table 1**.

As noted in the previous section, there is a significant reduction in observed PCB concentrations in Reach 6 and the portion of Reach 5 that are downstream of the unnamed tributary confluence at Milepost 02.64. Review of the geomorphology of these reaches would also support this observation. Downstream of this confluence, the valley width nearly triples in magnitude from approximately 200 feet from valley wall to valley wall, to approximately 500 feet. The stream gradient also increases 28 feet per mile, which is steeper compared to upstream reaches. This more dynamic environment leaves little opportunity for sediment deposition and accumulation. The exception to this observation is immediately upstream of the two road crossings downstream of Milepost 02.64. In these areas, Elliott Ditch flow is restricted allowing for a deeper pool and lower water velocity, supporting sediment deposition. PCB-impacts exceeding the remedial objective were quantified on lower terraces in these areas.

Table 1 – Soil Sample PCB Concentration Class by Feature Type

PCB Concentrations (mg/Kg)	Total Samples	Results by Feature							
		Upland	T6	T5	T4	T3	T2	T1	F
Non Detect	13	2	3	2	3	2	1	-	-
Less Than 1.0	28	10	-	2	4	5	5	2	-
1.0 to 3.0	13	-	-	-	3	2	4	3	1
3.0 to 5.0	5	-	-	-	1	2	2	-	-
5.0 to 10	6	-	-	-	2	2	2	-	-
Greater than 10	11	-	1*	1*	2	5	2	-	-
Total Greater Than 1.0 mg/Kg	0	1	1	8	11	10	3	1	

* These samples were taken within areas subjected to anthropogenic influences.

As described in Section 4.3, only two samples from observed sediment deposits contained PCB quantifications greater than 1.0 mg/Kg. One of these samples was collected in an area that demonstrates the potential for consistent eddy formation. When this occurs, sediment that is entrained in the water column of the eddy is circulated within the eddy itself during the event with little mobilization of material downstream. These features also accumulate finer sediment as these

materials remains in the circulating water column in a greater proportion than coarser materials that mobilize closer to the bed where they are subject to greater shear forces, moving materials in the downstream direction. The materials at Milepost 01.77 were observed in the field to be notably finer and darker than the typical sand, gravel, and cobble materials that are common elsewhere in the reach (showing the locations' capacity for collecting and retaining fine materials). The eddy in this location is formed as the river makes a nearly 90-degree bend with a high sloping outside bank and a relatively steep inside bank with little to no point bar development. The eddy in this location appears to be active at even very low flow rates though it may wash out at flood state.

The morphology at Milepost 02.36 is much different than that at Milepost 01.77 and eddy formation does not appear to occur regularly at low flows. However, the encroachment of the floodplain caused by the bridge abutments associated with Old U.S. Highway 231 would likely cause scour conditions during large flow events followed by deposition (at depth) of the incoming sediment load on the falling end of the hydrograph. There is the potential for PCB-impacted sediment to have been deposited here when historic releases occurred from Outfall 001 or due to resuspension and deposition of upgradient sediment during higher flow events. This would speak to the relatively low concentration of PCBs quantified and the depth at which the sediment was encountered (deepest interval) below the cobble/gravel bed in this location.

5.0 DATA QUALITY

Data quality objectives (DQOs) were evaluated by assessing the following quality indicators: precision, accuracy, representativeness, completeness, and comparability.

5.1 PRECISION

Precision is a measure of the reproducibility of analyses under a given set of conditions (i.e., the degree to which two or more measurements are in agreement). Precision evaluates how far different individual reported values are from the average or mean. Precision is thus a measure of the magnitude of random error and will be expressed as the relative percent difference (RPD). The lower the RPD value is, the more precise (i.e., reproducible) the data.

RPD is determined according to the following equation:

$$RPD = \frac{|Value\ 1 - Value\ 2|}{Arithmetic\ Mean\ of\ Value\ 1\ and\ 2} \times 100$$

This equation above is appropriate when the analytical results are greater than 5 times the reporting limit (RL). For results that are near the limit of quantitation, acceptable precision is demonstrated by the absolute value of the difference between Value 1 and Value 2 being within 2 times the RL. For results that are reported between the RL and the method detection limit (MDL), precision is considered poor by definition (i.e., the results are considered qualitatively acceptable in that a constituent can be identified, but are quantitatively suspect since the concentration cannot be accurately quantified). This is the reason that results between the RL and MDL are “J” flagged as estimated.

Across the two assessments, five soil duplicates and two sediment duplicates were collected. Precision for the soil samples was evaluated using a comparison of the analytical results for samples ED-01.74-SL01/ED-SL-DUP01, ED-02.15-SL01/ED-SL-DUP02, ED-02.92-SL03/ED-SL-DUP03, ED-03.34-SL02/ED-SL-DUP04, ED-02.99-SL01/ED-SL-DUP05, ED-02.96-SD01

(0-0.7')/ ED-DUP01-Sediment, and ED-01.77-SD01 (0-0.5')/ ED-DUP02-Sediment. Acceptable precision for field duplicates in soil and sediment is typically RPD < 40-percent. Three of the five soil samples and one of the two sediment samples met this precision criteria. The two soil samples that did not meet the criteria contained low level quantifications of PCBs; each being less than 0.05 mg/Kg. Small deviations in low-level quantifications are more pronounced in terms of RPD. It does indicate that there is chemical heterogeneity across the soil matrix and heterogeneity of the soil matrix itself. The sediment sample pair that did not meet the criteria contained PCB quantifications less than 0.70 mg/Kg, similar to the sediment pair that did meet the criteria. This indicates that there is chemical heterogeneity across the sediment matrix and heterogeneity of the sediment matrix itself. This analysis of precision is not expected to impact the usability of the data; however, it does indicate the continued need for duplicate sample collection and precision analysis as part of future assessments and remediation.

5.2 ACCURACY

Accuracy is a measure of the bias that exists in a measurement system (i.e., the degree of agreement between an observed value and a reference or true value). Accuracy measures the average or systematic error of a measurement method or sampling method. Accuracy in the field is determined through the collection of equipment and trip blanks and review of the results for evidence of sample contamination stemming from field activities or sample transport.

Non-disposable sampling equipment used throughout the investigation was thoroughly cleaned between each sample location, thus minimizing the potential for impacts to sampling stemming from field activities. Four equipment blank samples, identified with the “EB” nomenclature, were collected from the reusable sampling equipment to verify that constituents were not being introduced into the sample due to improper decontamination between sampling locations. PCBs were not quantified in any of the rinsate samples.

5.3 REPRESENTATIVENESS

Representativeness expresses the degree to which data accurately and precisely represent the environmental condition. Representativeness is accomplished by maintaining sample integrity with appropriate preservation and meeting technical holding times and by collecting a statistically significant number of samples. Field representativeness is dependent upon the proper design of the sampling program and will be satisfied by following proper sampling techniques.

Field work was conducted in accordance the regulatory approved *FSP* and the associated SOPs. Samples were collected using laboratory provided containers, preserved in a cooler on ice, and were immediately delivered to the laboratory within specified hold times. Sample locations are justified based on the geomorphic principles on which the assessments are based. Accordingly, the analytical results are considered to be representative of this reach of Elliott Ditch.

5.4 COMPLETENESS

Completeness is the measurement of the amount of valid data obtained from a measurement system compared to the amount that was expected to be obtained under “normal” conditions. Completeness establishes whether a sufficient number of valid measurements were obtained. The closer this value is to 100, the more complete the measurement process. Data rejected, whether due to sampling design error, measurement error, or bias or sample matrix interferences, will be considered invalid measurements. The following formula was used to estimate completeness:

$$\text{Percent Completeness} = \frac{V}{T} \times 100$$

Where:

V = number of measurements judged valid

T = total number of measurements

Soil and sediment samples were collected from each of the targeted locations, although not necessarily in the exact specified location due to access issues, but on the targeted geomorphic

surface near the specified Milepost. Therefore, the dataset for this portion of the Elliott Ditch assessment is considered 100-percent complete.

5.5 COMPARABILITY

Comparability expresses the confidence with which one set of data can be compared to another. It is a qualitative measurement to ensure sampling and analytical procedures are consistent within and between data sets, such as split sampling or monitoring. Analytical data is comparable when similar sampling, analytical methods, and reporting limits are consistently used for assessments of Elliott Ditch. Comparability was controlled by requiring the use of specific nationally-recognized analytical methods and requiring consistent method performance criteria.

Sampling was conducted in general accordance with the approved *FSP* and associated SOPs. Because of this, the sampling procedure between sample locations and across different sampling events was consistent. Additionally, the same laboratory analyzed samples using consistent analytical methods. Thus, the data set is considered comparable.

TABLES

Table 2. Soil and Sediment Sampling Locations
Elliott Ditch Reaches 4-6 Geomorphic Assessment Report
Lafayette, Tippecanoe County, Indiana
November 2022

Boring ID	Northing (feet)	Easting (feet)
ED-01.62-SL01	1866033.372	3007988.224
ED-01.62-SL02	1866007.035	3007968.412
ED-01.62-SL03	1865935.83	3007937.686
ED-01.69-SL01	1865795.058	3007728.786
ED-01.69-SL02	1865773.114	3007755.672
ED-01.74-SL01	1865676.674	3007501.429
ED-01.74-SL02	1865645.205	3007519.852
ED-01.78-SL01	1865591.6	3007385
ED-01.85-SL01	1865787.78	3007081.181
ED-01.89-SL01	1865818.948	3006824.689
ED-01.89-SL02	1865773.092	3006855.474
ED-01.89-SL03	1865732.001	3006882.291
ED-01.95-SL01	1865660.9	3006570.212
ED-01.96-SL01	1865709.525	3006628.603
ED-01.96-SL02	1865701.095	3006576.309
ED-01.96-SL03	1865669.162	3006498.354
ED-02.00-SL01	1865872.021	3006632.863
ED-02.00-SL02	1865868.987	3006619.914
ED-02.00-SL03	1865817.43	3006612.95
ED-02.00-SL04	1865806.82	3006569.949
ED-02.04-SL01	1865881.53	3006457.917
ED-02.08-SL01	1865749.586	3006322.5
ED-02.12-SL01	1865706.183	3006246.111
ED-02.15-SL01	1865667.888	3006148.462
ED-02.15-SL02	1865645.282	3006115.673
ED-02.15-SL03	1865579.201	3006188.554
ED-02.23-SL01	1865813.587	3005896.304
ED-02.23-SL02	1865742.756	3005826.926
ED-02.23-SL03	1865669.138	3005784.105
ED-02.23-SL04	1865618.844	3005793.745
ED-02.26-SL01	1865709.056	3005730.441
ED-02.29-SL01	1865736.37	3005534.33
ED-02.29-SL02	1865650.58	3005582.7
ED-02.29-SL03	1865587.757	3005601.297
ED-02.29-SL04	1865557.685	3005605.031
ED-02.36-SL01	1865663.917	3005315.51
ED-02.39-SL01	1865696.903	3005209.607
ED-02.45-SL01	1865903.452	3005046.142
ED-02.45-SL02	1865888.832	3005045.674
ED-02.45-SL03	1865876.695	3005054.302
ED-02.45-SL04	1865795.068	3005064.842
ED-02.45-SL05	1865702.529	3005075.984
ED-02.48-SL01	1865761.139	3004961.343
ED-02.54-SL01	1865747.796	3004704.412
ED-02.54-SL02	1865684.476	3004706.974
ED-02.54-SL03	1865607.15	3004751.752
ED-02.61-SL01	1865834.178	3004495.089
ED-02.61-SL02	1865742.703	3004459.176
ED-02.61-SL03	1865686.441	3004470.447

Table 2. Soil and Sediment Sampling Locations
Elliott Ditch Reaches 4-6 Geomorphic Assessment Report
Lafayette, Tippecanoe County, Indiana
November 2022

Boring ID	Northing (feet)	Easting (feet)
ED-02.64-SL01	1865829.691	3004291.529
ED-02.64-SL02	1865782.872	3004209.267
ED-02.64-SL03	1865669.279	3004343.299
ED-02.74-SL01	1865862.654	3004031.415
ED-02.80-SL01	1866015.717	3003765.754
ED-02.80-SL02	1865964.467	3003766.069
ED-02.80-SL03	1865934.021	3003748.185
ED-02.80-SL04	1865755.766	3003757.493
ED-02.80-SL05	1865500.586	3003792.799
ED-02.92-SL01	1866064.193	3003167.596
ED-02.92-SL02	1866003.902	3003231.502
ED-02.92-SL03	1865980.935	3003212.986
ED-02.92-SL04	1865740.094	3003196.014
ED-02.92-SL05	1865644.32	3003191.48
ED-02.97-SL01	1866038.386	3002948.713
ED-02.99-SL01	1866016.369	3002863.582
ED-03.02-SL01	1865997.8	3002745.674
ED-03.02-SL02	1865952.715	3002721.964
ED-03.02-SL03	1865922.952	3002727.722
ED-03.02-SL04	1865888.751	3002740.05
ED-03.11-SL01	1866048.643	3002211.185
ED-03.11-SL02	1865901.429	3002355.659
ED-03.11-SL03	1865860.756	3002446.986
ED-03.11-SL04	1865828.819	3002478.891
ED-03.34-SL01	1866035.286	3001415.111
ED-03.34-SL02	1865925.122	3001326.356
ED-03.34-SL03	1865838.372	3001303.505
ED-01.67-SD01	1865837.676	3007781.147
ED-01.77-SD01	1865562.998	3007430.194
ED-01.88-SD01	1865747.275	3006914.876
ED-02.17-SD01	1865654.811	3006035.789
ED-02.36-SD01	1865682.071	3005308.896
ED-02.48-SD01	1865726.161	3004977.246
ED-02.59-SD01	1865767.902	3004560.347
ED-02.63-SD01	1865739.086	3004368.077
ED-02.74-SD01	1865944.543	3004049.842
ED-02.88-SD01	1866000.854	3003408.882
ED-02.94-SD01	1866065.275	3003123.040
ED-02.96-SD01	1866080.665	3003005.226
ED-03.10-SD01	1865980.378	3002382.505
ED-03.28-SD01	1865729.401	3001577.932

NOTES:

1. Northings and Eastings are in Indiana State Plane West, units are feet
2. "SD" borings are sediment, "SL" are soil

Table 3. Sediment Poling Volume Estimates
Elliott Ditch Reaches 4-6 Geomorphic Assessment Report
Lafayette, Tippecanoe County, Indiana
November 2022

Mile Post	Area (SF)	Max Thickness (ft)	Volume (CY)
01.67	223.74	2.00	5
01.77	687.18	2.10	25
01.88	104.38	1.00	2
02.17	692.45	0.90	11
02.36	858.54	1.40	10
02.48	962.84	1.40	18
02.59	316.90	0.80	4
02.63	474.33	0.75	3
02.74	391.18	0.85	8
02.88	726.54	2.60	40
02.94/02.96	4,980	1.60	60
03.10	595.71	1.40	12
03.28	180.63	1.40	2

Table 4. Sediment Sampling PCB Analytical Results
Elliott Ditch Reaches 4-6 Geomorphic Assessment Report
Lafayette, Tippecanoe County, Indiana
November 2022

Boring/Sample ID	PCB Aroclor									Total PCBs (mg/Kg)
	1016	1221	1232	1242	1248	1254	1260	1262	1268	
ED-01.67-SD01										
0 - 0.90'	ND	ND	ND	ND	0.41	ND	ND	ND	ND	0.41
0.90 - 1.2'	ND	ND	ND	ND	0.32	ND	ND	ND	ND	0.32
1.2 - 2.0'	ND	ND	ND	ND	0.14	ND	ND	ND	ND	0.14
ED-01.77-SD01										
0 - 0.50'	ND	ND	ND	ND	0.46	ND	ND	ND	ND	0.46
0.50 - 1.3'	ND	ND	ND	ND	0.56	ND	ND	ND	ND	0.56
1.3 - 2.1'	ND	ND	ND	ND	1.76	ND	ND	ND	ND	1.76
ED-DUP02										
	ND	ND	ND	ND	0.33	ND	ND	ND	ND	0.33
ED-01.88-SD01										
0 - 0.50'	ND	ND	ND	ND	0.53	ND	ND	ND	ND	0.53
0.50 - 1.0'	ND	ND	ND	ND	0.51	ND	ND	ND	ND	0.51
ED-02.17-SD01										
0 - 0.90'	ND	ND	ND	ND	0.48	ND	ND	ND	ND	0.48
ED-02.36-SD01										
0 - 0.70'	ND	ND	ND	ND	0.41	ND	ND	ND	ND	0.41
0.70 - 1.4'	ND	ND	ND	ND	1.17	ND	ND	ND	ND	1.17
ED-02.48-SD01										
0 - 0.70'	ND	ND	ND	ND	0.14	ND	ND	ND	ND	0.14
0.70 - 1.4'	ND	ND	ND	ND	0.13	ND	ND	ND	ND	0.13
ED-02.59-SD01										
0 - 0.80'	ND	ND	ND	ND	0.27	ND	ND	ND	ND	0.27
ED-02.63-SD01										
0 - 0.75'	ND	ND	ND	ND	0.46	ND	ND	ND	ND	0.46
ED-02.74-SD01										
0 - 0.85'	ND	ND	ND	ND	0.55	ND	ND	ND	ND	0.55
ED-02.88-SD01										
0 - 0.85'	ND	ND	ND	ND	0.33	ND	ND	ND	ND	0.33
0.85 - 1.7'	ND	ND	ND	ND	0.22	ND	ND	ND	ND	0.22
1.7 - 2.6'	ND	ND	ND	ND	0.16	ND	ND	ND	ND	0.16
ED-02.94-SD01										
0 - 0.8'	ND	ND	ND	ND	0.16	ND	ND	ND	ND	0.16
0.8 - 1.6'	ND	ND	ND	ND	0.23	ND	ND	ND	ND	0.23
ED-02.96-SD01										
0 - 0.7'	ND	ND	ND	ND	0.31	ND	ND	ND	ND	0.31
0.7 - 1.4'	ND	ND	ND	ND	0.14	ND	ND	ND	ND	0.14
ED-DUP01										
	ND	ND	ND	ND	0.70	ND	ND	ND	ND	0.70
ED-03.10-SD01										
0 - 0.9'	ND	ND	ND	ND	0.39	ND	ND	ND	ND	0.39
0.9 - 1.1'	ND	ND	ND	ND	0.25	ND	ND	ND	ND	0.25
1.1 - 1.4'	ND	ND	ND	ND	0.32	ND	ND	ND	ND	0.32
ED-03.28-SD01										
0 - 0.7'	ND	ND	ND	ND	0.21	ND	ND	ND	ND	0.21
0.7 - 1.4'	ND	ND	ND	ND	0.11	ND	ND	ND	ND	0.11
ED-Equipment Blank - 03032022										
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

"ND" = constituent was not detected above the laboratory method detection limit

"DUP" = indicates a duplicate sample of the immediately preceding location

"EB" = equipment blank sample

Table 5. Soil Sampling PCB Analytical Results
Elliott Ditch Reaches 4-6 Geomorphic Assessment Report
Lafayette, Tippecanoe County, Indiana
November 2022

Boring/Sample ID	Geomorphic Surface	PCB Aroclor									Total PCBs (mg/Kg)
		1016	1221	1232	1242	1248	1254	1260	1262	1268	
ED-01.62-SL01											
0 - 0.5'	Upland	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.02
ED-01.62-SL02											
0 - 0.5'	T4	ND	ND	ND	ND	1.26	ND	ND	ND	ND	1.26
ED-01.62-SL03											
0 - 0.5'	T4	ND	ND	ND	ND	0.54	ND	ND	ND	ND	0.54
ED-01.69-SL01											
0 - 0.5'	T4	ND	ND	ND	ND	19.80	ND	ND	ND	ND	19.80
ED-01.69-SL02											
0 - 0.5'	T4	ND	ND	ND	ND	11.70	ND	ND	ND	ND	11.70
ED-01.74-SL01											
0 - 0.5'	T2	ND	ND	ND	ND	11.40	ND	ND	ND	ND	11.40
ED-SL-DUP01											
0 - 0.5'	T2	ND	ND	ND	ND	9.62	ND	ND	ND	ND	9.62
ED-01.74-SL02											
0 - 0.5'	T4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-01.78-SL01											
0 - 0.5'	T6	ND	ND	ND	ND	28.60	ND	ND	ND	ND	28.60
ED-01.85-SL01											
0 - 0.5'	T4	ND	ND	ND	ND	1.37	ND	ND	ND	ND	1.37
ED-01.89-SL01											
0 - 0.5'	Upland	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-01.89-SL02											
0 - 0.5'	T4	ND	ND	ND	ND	1.81	ND	ND	ND	ND	1.81
ED-01.89-SL03											
0 - 0.5'	T4	ND	ND	ND	ND	5.84	ND	ND	ND	ND	5.84
ED-01.95-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	20.50	ND	ND	ND	ND	20.50
ED-01.96-SL01											
0 - 0.5'	T5	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-01.96-SL02											
0 - 0.5'	T3	ND	ND	ND	ND	15.80	ND	ND	ND	ND	15.80
ED-01.96-SL03											
0 - 0.5'	Upland	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.02
ED-02.00-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	2.85	ND	ND	ND	ND	2.85
ED-02.00-SL02											
0 - 0.5'	Floodplain	ND	ND	ND	ND	1.34	ND	ND	ND	ND	1.34
ED-02.00-SL03											
0 - 0.5'	T2	ND	ND	ND	ND	2.73	ND	ND	ND	ND	2.73
ED-02.00-SL04											
0 - 0.5'	T3	ND	ND	ND	ND	3.13	ND	ND	ND	ND	3.13
ED-02.04-SL01											
0 - 0.5'	T4	ND	ND	ND	ND	0.03	ND	ND	ND	ND	0.03
ED-02.08-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	18.70	ND	ND	ND	ND	18.70
ED-02.12-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	8.22	ND	ND	ND	ND	8.22
ED-02.15-SL01											
0 - 0.5'	Upland	ND	ND	ND	ND	0.04	ND	ND	ND	ND	0.04
ED-SL-DUP02											
0 - 0.5'	Upland	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.02
ED-02.15-SL02											
0 - 0.5'	T3	ND	ND	ND	ND	13.80	ND	ND	ND	ND	13.80
ED-02.15-SL03											
0 - 0.5'	T3	ND	ND	ND	ND	0.98	ND	ND	ND	ND	0.98
ED-02.23-SL01											
0 - 0.5'	T2	ND	ND	ND	ND	5.91	ND	ND	ND	ND	5.91
ED-02.23-SL02											
0 - 0.5'	T4	ND	ND	ND	ND	3.97	ND	ND	ND	ND	3.97
ED-02.23-SL03											
0 - 0.5'	T4	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01

Table 5. Soil Sampling PCB Analytical Results
Elliott Ditch Reaches 4-6 Geomorphic Assessment Report
Lafayette, Tippecanoe County, Indiana
November 2022

Boring/Sample ID	Geomorphic Surface	PCB Aroclor									Total PCBs (mg/Kg)
		1016	1221	1232	1242	1248	1254	1260	1262	1268	
ED-02.23-SL04											
0 - 0.5'	Upland	ND	ND	ND	ND	0.50	ND	ND	ND	ND	0.50
ED-02.26-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	9.05	ND	ND	ND	ND	9.05
ED-02.29-SL01											
0 - 0.5'	Upland	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-02.29-SL02											
0 - 0.5'	T3	ND	ND	ND	ND	4.12	ND	ND	ND	ND	4.12
ED-02.29-SL03											
0 - 0.5'	T1	ND	ND	ND	ND	2.74	ND	ND	ND	ND	2.74
ED-02.29-SL04											
0 - 0.5'	Upland	ND	ND	ND	ND	0.65	ND	ND	ND	ND	0.65
ED-02.36-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	0.94	ND	ND	ND	ND	0.94
ED-02.39-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	2.45	ND	ND	ND	ND	2.45
ED-02.45-SL01											
0 - 0.5'	Upland	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-02.45-SL02											
0 - 0.5'	T4	ND	ND	ND	ND	0.92	ND	ND	ND	ND	0.92
ED-02.45-SL03											
0 - 0.5'	T2	ND	ND	ND	ND	6.02	ND	ND	ND	ND	6.02
ED-02.45-SL04											
0 - 0.5'	T3	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.02
ED-02.45-SL05											
0 - 0.5'	T5	ND	ND	ND	ND	12.40	ND	ND	ND	ND	12.40
ED-02.48-SL01											
0 - 0.5'	T4	ND	ND	ND	ND	9.48	ND	ND	ND	ND	9.48
ED-02.54-SL01											
0 - 0.5'	T5	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-02.54-SL02											
0 - 0.5'	T3	ND	ND	ND	ND	13.10	ND	ND	ND	ND	13.10
ED-02.54-SL03											
0 - 0.5'	Upland	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-02.61-SL01											
0 - 0.5'	Upland	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.61-SL02											
0 - 0.5'	T2	ND	ND	ND	ND	17.90	ND	ND	ND	ND	17.90
ED-02.61-SL03											
0 - 0.5'	T4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.64-SL01											
0 - 0.5'	T6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.64-SL02											
0 - 0.5'	T2	ND	ND	ND	ND	1.54	ND	ND	ND	ND	1.54
ED-02.64-SL03											
0 - 0.5'	T2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.74-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.80-SL01											
0 - 0.5'	Upland	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.80-SL02											
0 - 0.5'	T3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.80-SL03											
0 - 0.5'	T1	ND	ND	ND	ND	0.37	ND	ND	ND	ND	0.37
ED-02.80-SL04											
0 - 0.5'	T5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.80-SL05											
0 - 0.5'	T6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.92-SL01											
0 - 0.5'	T2	ND	ND	ND	ND	2.27	ND	ND	ND	ND	2.27
ED-02.92-SL02											
0 - 0.5'	T2	ND	ND	ND	ND	2.20	ND	ND	ND	ND	2.20

Table 5. Soil Sampling PCB Analytical Results
Elliott Ditch Reaches 4-6 Geomorphic Assessment Report
Lafayette, Tippecanoe County, Indiana
November 2022

Boring/Sample ID	Geomorphic Surface	PCB Aroclor									Total PCBs (mg/Kg)
		1016	1221	1232	1242	1248	1254	1260	1262	1268	
ED-02.92-SL03											
0 - 0.5'	T4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-SL-DUP03											
0 - 0.5'	T4	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-02.92-SL04											
0 - 0.5'	T5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.92-SL05											
0 - 0.5'	T6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-02.97-SL01											
0 - 0.5'	T2	ND	ND	ND	ND	4.46	ND	ND	ND	ND	4.46
ED-02.99-SL01											
0 - 0.5'	T2	ND	ND	ND	ND	0.57	ND	ND	ND	ND	0.57
ED-SL-DUP05											
0 - 0.5'	T2	ND	ND	ND	ND	0.61	ND	ND	ND	ND	0.61
ED-03.02-SL01											
0 - 0.5'	T1	ND	ND	ND	ND	0.29	ND	ND	ND	ND	0.29
ED-03.02-SL02											
0 - 0.5'	T2	ND	ND	ND	ND	3.68	ND	ND	ND	ND	3.68
ED-03.02-SL03											
0 - 0.5'	T1	ND	ND	ND	ND	1.32	ND	ND	ND	ND	1.32
ED-03.02-SL04											
0 - 0.5'	T2	ND	ND	ND	ND	0.01	ND	ND	ND	ND	0.01
ED-03.11-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.02
ED-03.11-SL02											
0 - 0.5'	T2	ND	ND	ND	ND	0.50	ND	ND	ND	ND	0.50
ED-03.11-SL03											
0 - 0.5'	T2	ND	ND	ND	ND	0.12	ND	ND	ND	ND	0.12
ED-03.11-SL04											
0 - 0.5'	Upland	ND	ND	ND	ND	0.06	ND	ND	ND	ND	0.06
ED-03.34-SL01											
0 - 0.5'	T3	ND	ND	ND	ND	0.04	ND	ND	ND	ND	0.04
ED-03.34-SL02											
0 - 0.5'	T2	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.02
ED-SL-DUP04											
0 - 0.5'	T2	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.02
ED-03.34-SL03											
0 - 0.5'	T1	ND	ND	ND	ND	1.62	ND	ND	ND	ND	1.62
ED-EB01											
0 - 0.5'		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-EB02											
0 - 0.5'		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ED-EB03											
0 - 0.5'		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

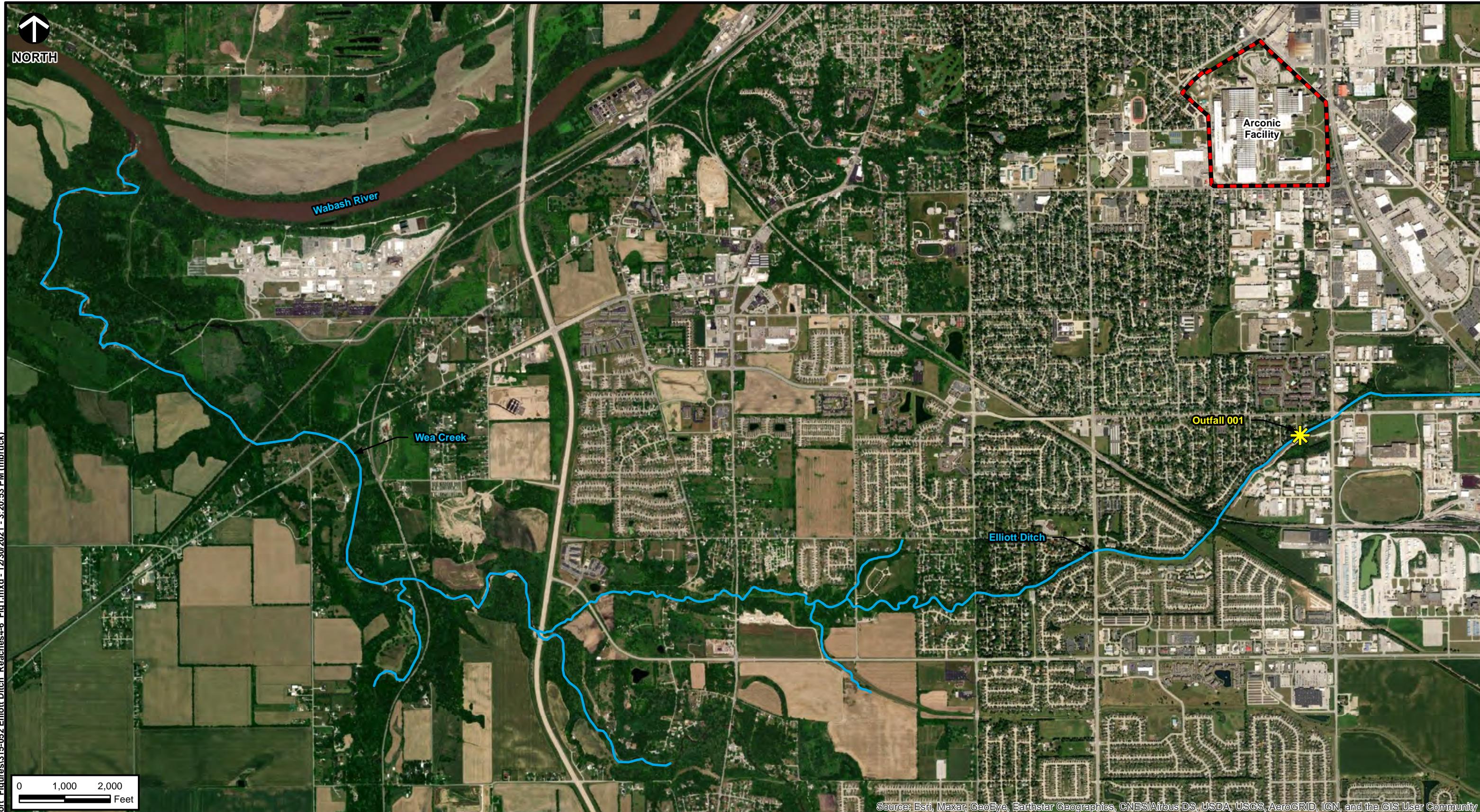
NOTES

"ND" = constituent was not detected above the laboratory method detection limit

"DUP" = indicates a duplicate sample of the immediately preceding location

"EB" = equipment blank sample

FIGURES



P:\315-052\GISMaps\Report_Figures\315-052 Elliott Ditch Reaches4-6 Fig1.mxd - 12/30/2021 - 3:20:53 PM (mbruck)

LEGEND

Outfall 001

Arconic Facility

Elliott Ditch

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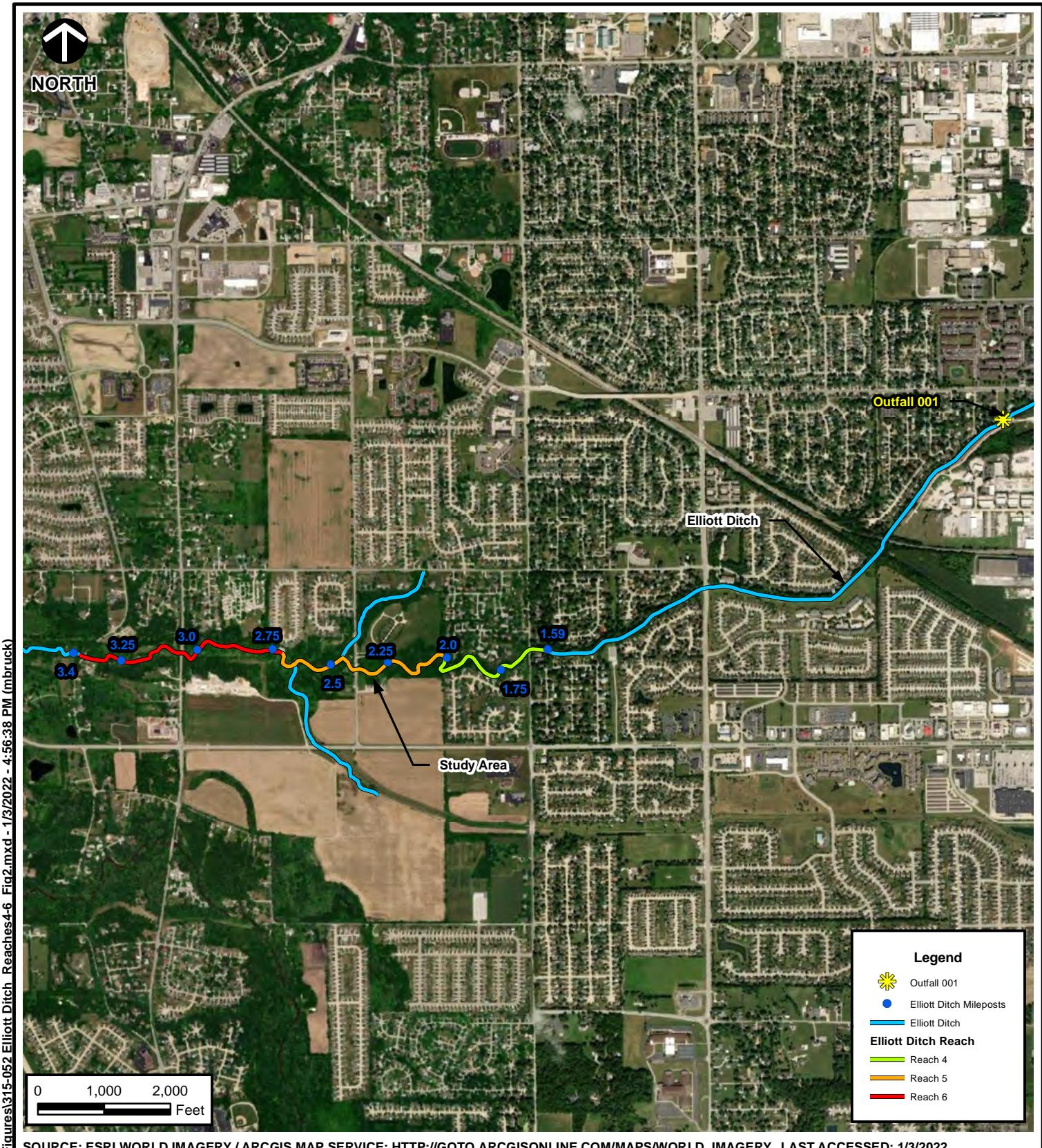
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DATE:	DECEMBER 30, 2021	SCALE:	1" = 2,000'	PROJECT NO:	315-052.0002	1

**ARCONIC CORP. - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA**

ELLIOTT DITCH VICINITY MAP

1

Signature on File *



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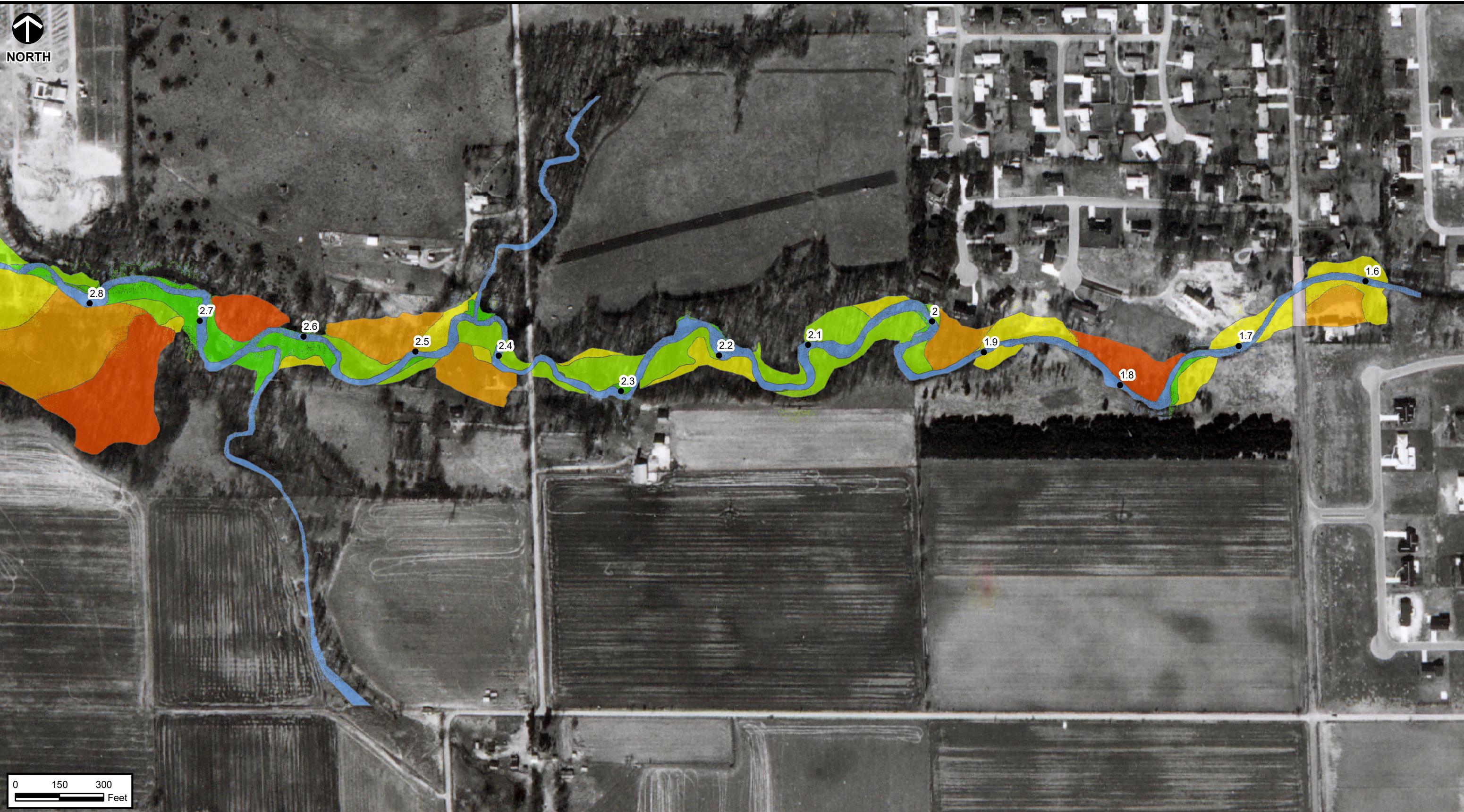
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ELLIOTT DITCH STUDY AREA

DRAWN BY:	DMM	CHECKED BY:	JMB	APPROVED BY:	JMB*	FIGURE NO:
DATE:	JANUARY 03, 2022	DWG SCALE:	1" = 2,000'	PROJECT NO:	172-367.0002	2

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REFERENCE

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ORTHOPHOTOGRAPHY PROGRAM, PHOTO DATE 2018. OBTAINED FROM
THE INDIANA UNIVERSITY INDIANA SPATIAL DATA PORTAL, 1/11/2022.

PRESENTED GEOMORPHIC SURFACES REVISED BASED UPON DESKTOP REVIEW AND
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ORIGINAL SURFACES MAPPED BY TETRATECH.

Mile Posts

- Tenths of a Mile

Geomorphic Surfaces	
Stream	
F	
T-1	
T-2	
T-3	
T-4	
T-5	
T-6	
Anthropogenic	
Oxbow	



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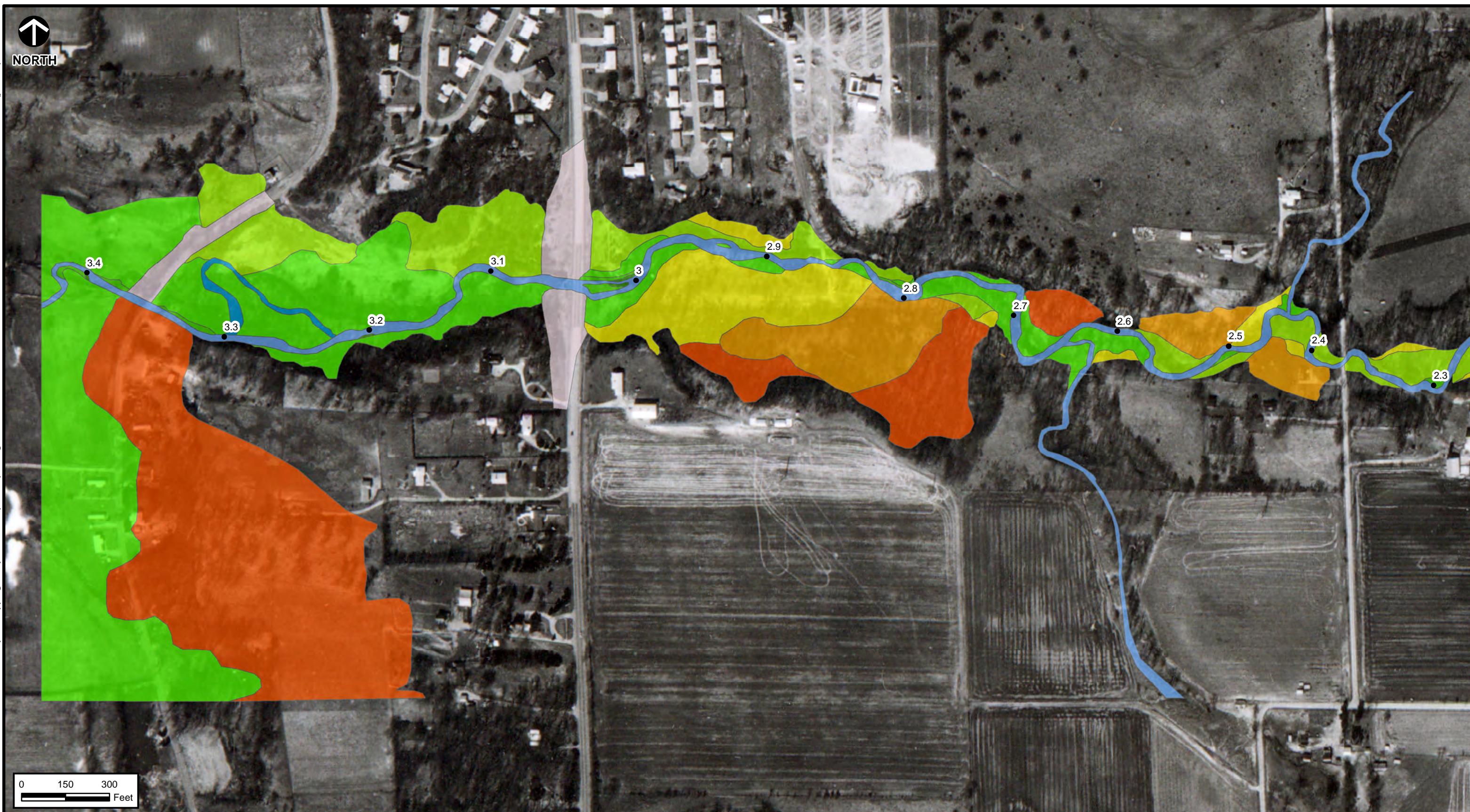
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ARCONIC CORP. - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA

HISTORIC AERIAL OVERLAY (1976) WITH GEOMORPHIC SURFACES

3A

Signature on File *



\svr-fs-knx\Projects\310-0001315-0521-Draft Documents\Reach 4-6 Geomorphic Mapping & Report\Geomorphic Report\FILES\315-052 Elliott Ditch_Reaches4-6_3B.mxd - 11/7/2022 - 3:42:17 PM (melton)

REFERENCE

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FIELD VERIFICATION BY A CEC, INC. GEOMORPHOLOGIST.
ORIGINAL SURFACES MAPPED BY TETRATECH.

Mile Posts

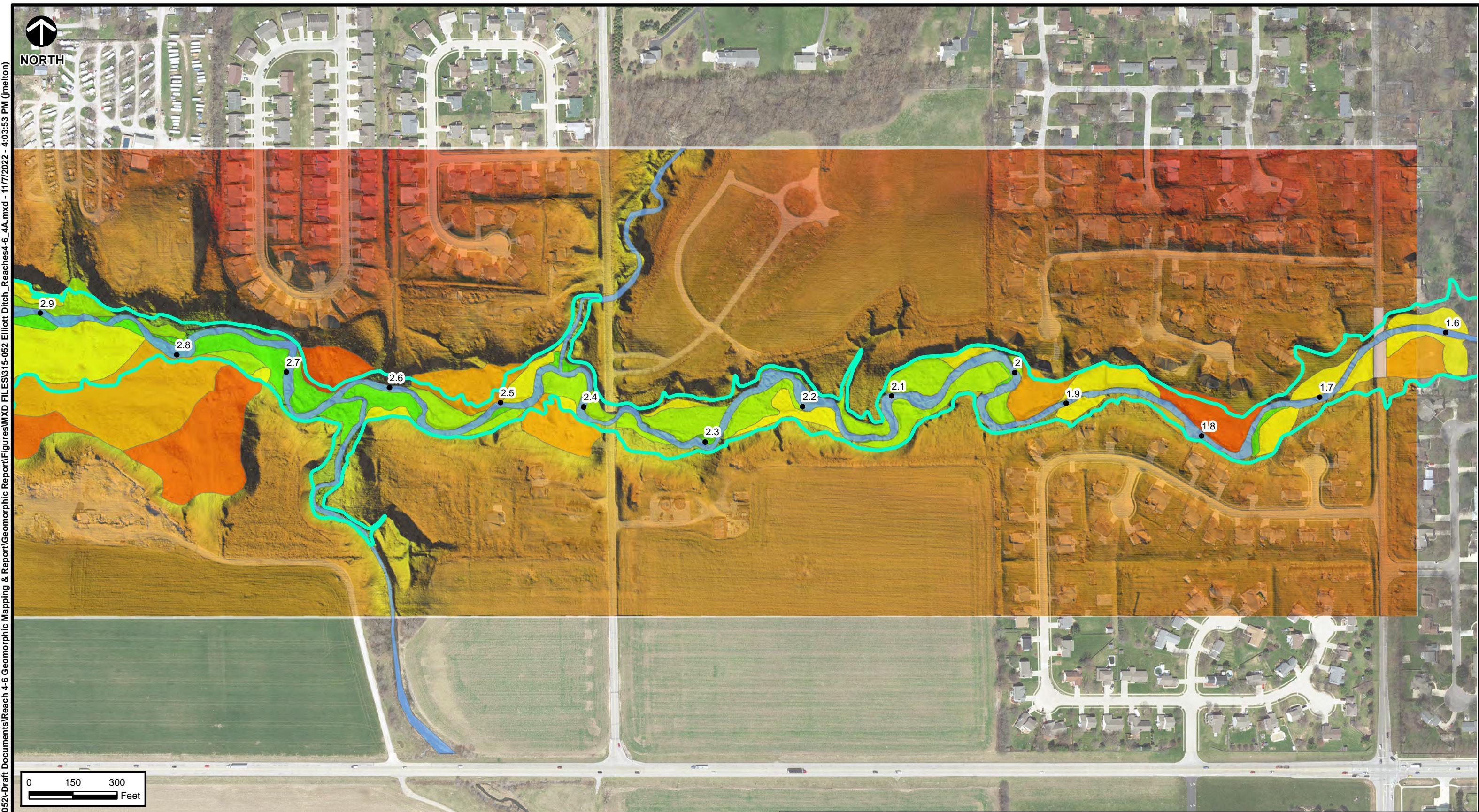
• Tenths of a Mile

Stream
F
T-1
T-2
T-3
T-4
T-5
T-6
Anthropogenic
Oxbow

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**ARCONIC CORP - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA**

HISTORIC AERIAL OVERLAY (1976) WITH GEOMORPHIC SURFACES
DRAWN BY: JLM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO: 3B
DATE: NOVEMBER 07, 2022 SCALE: 1" =300 PROJECT NO: 315-052.0002
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PRESENTED GEOMORPHIC SURFACES REVISED BASED UPON DESKTOP REVIEW
AND FIELD VERIFICATION BY A CEC, INC. GEOMORPHOLOGIST. ORIGINAL SURFACES
MAPPED BY TETRATECH.

DIGITAL ELEVATION MODEL SOURCED FROM THE UNITED STATES GEOLOGICAL SURVEY'S
WEB-BASED NATIONAL MAP SERVER, 10/2021.

Mileposts
• Tenth of a Mile
— 500-Year Floodplain

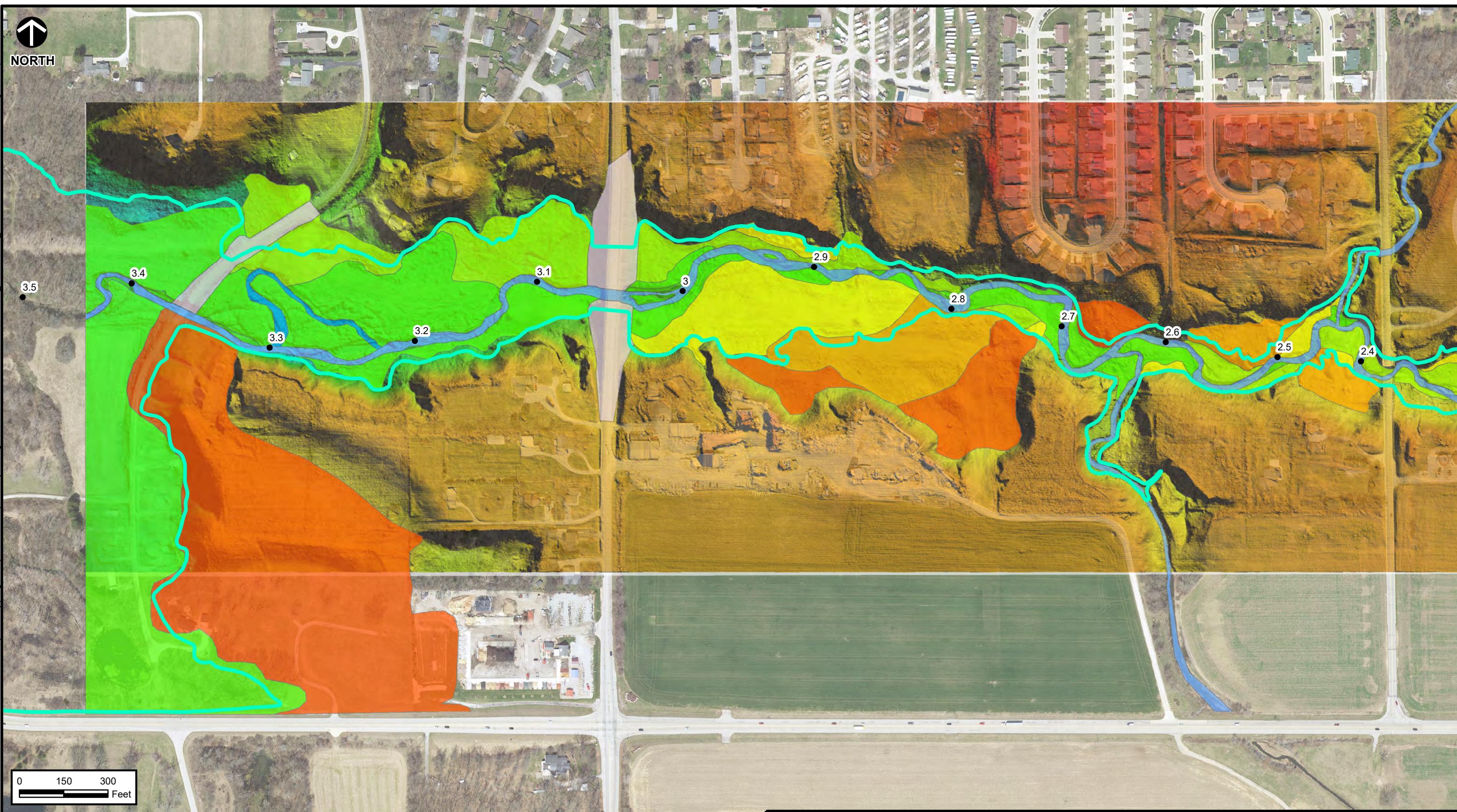
Geomorphic Surfaces

- Stream
- F
- T-1
- T-2
- T-3
- T-4
- T-5
- T-6
- Anthropogenic
- Oxbow

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**ARCONIC CORP - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA**

TOPOGRAPHIC OVERLAY WITH GEOMORPHIC SURFACES
DRAWN BY: JLM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO: 4A
DATE: NOVEMBER 07, 2022 SCALE: 1" = 300 PROJECT NO: 315-052.0002
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PRESENTED GEOMORPHIC SURFACES REVISED BASED UPON DESKTOP REVIEW
AND FIELD VERIFICATION BY A CEC, INC. GEOMORPHOLOGIST. ORIGINAL SURFACE
MAPPED BY TETRATECH.

DIGITAL ELEVATION MODEL SOURCED FROM THE UNITED STATE GEOLOGICAL SURVEY'S
WEB-BASED NATIONAL MAP SERVER, 10/2021.

Mileposts

- Tenth of a Mile
- 500-Year Floodplain

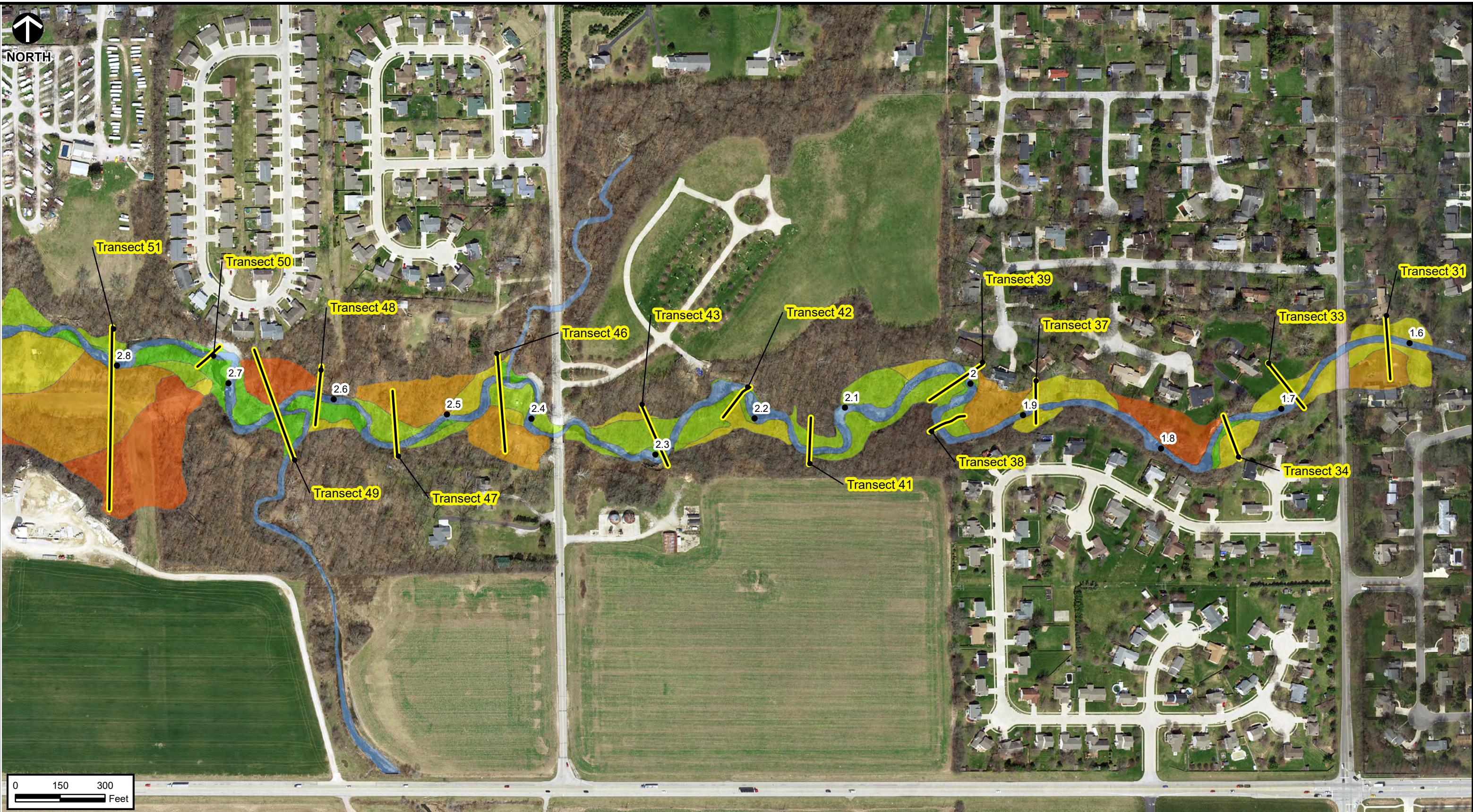
Geomorphic Surfaces

- Stream
- F
- T-1
- T-2
- T-3
- T-4
- T-5
- T-6
- Anthropogenic
- Oxbow

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**ARCONIC CORP. - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA**

TOPOGRAPHIC OVERLAY WITH GEOMORPHIC SURFACES
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DATE: NOVEMBER 08, 2022 SCALE: 1" = 300 PROJECT NO: 315-052.0002
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REFERENCE

AERIAL IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE
ORTHOPHOTOGRAPHY PROGRAM, PHOTO DATE 2018. OBTAINED FROM
THE INDIANA UNIVERSITY INDIANA SPATIAL DATA PORTAL, 1/11/2022.

PRESENTED GEOMORPHIC SURFACES REVISED BASED UPON DESKTOP REVIEW
AND FIELD VERIFICATION BY A CEC, INC. GEOMORPHOLOGIST. ORIGINAL SURFACES
MAPPED BY TETRATECH.

Mileposts

- Tenth of a Mile

— Surveyed Transects

Geomorphic Surfaces	
Streams	
F	
T-1	
T-2	
T-3	
T-4	
T-5	
T-6	
Anthropogenic	
Oxbow	

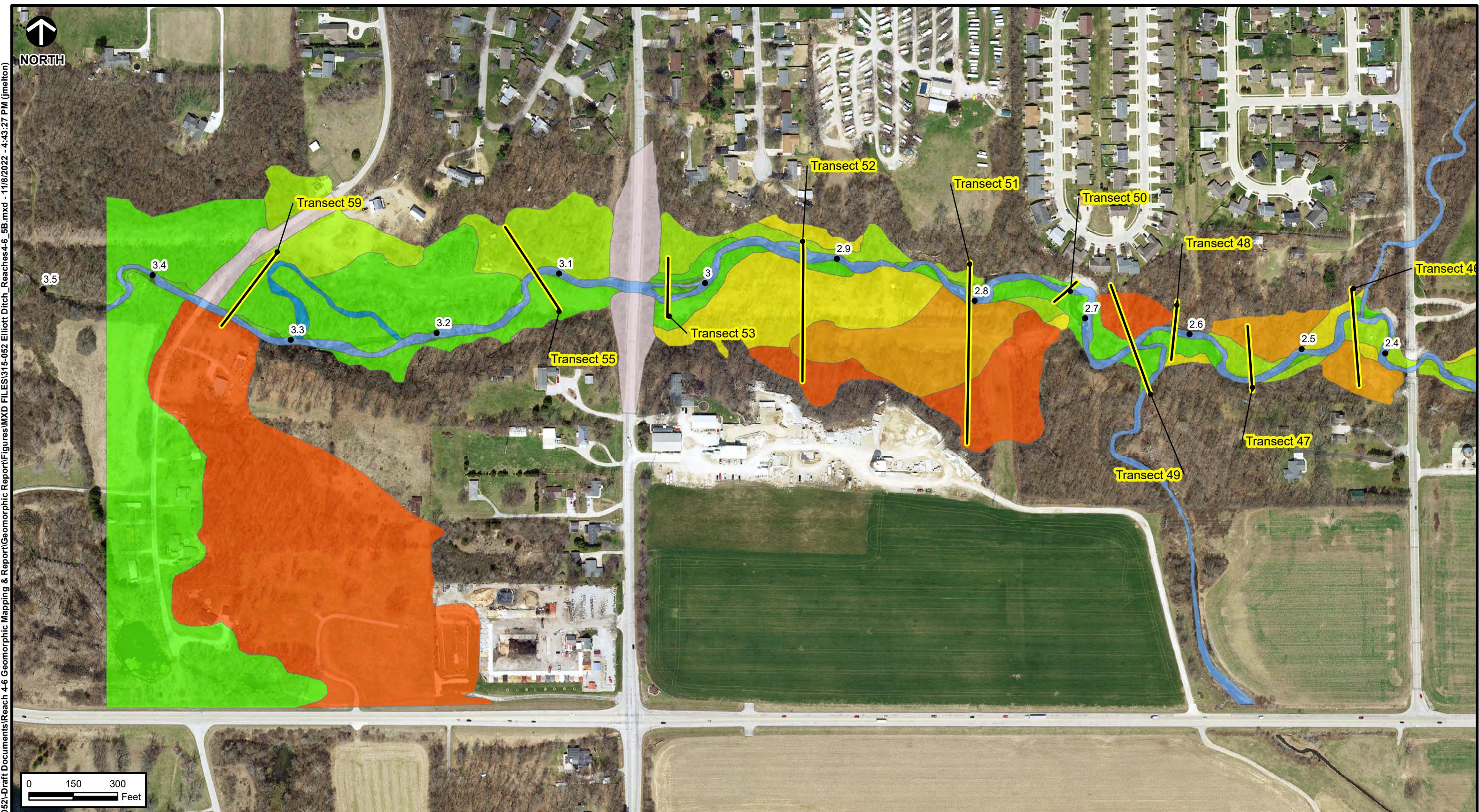
CEC
Civil & Environmental Consultants, Inc.
2704 Cherokee Farm Way, Suite 101 Knoxville, TN 37920
865-977-9997 • 865-774-7767
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DRAWN BY:	JLM	CHECKED BY:	GAW	APPROVED BY:	JMB	FIGURE NO:
DATE:	NOVEMBER 08, 2022	SCALE:	1" = 300	PROJECT NO:	315-052.0002	5A

ARCONIC CORP. - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA

GEOMORPHIC SURVEY TRANSECTS

Signature on File *



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AERIAL IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE
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Mileposts

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Geomorphic Surfaces	
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T-4	
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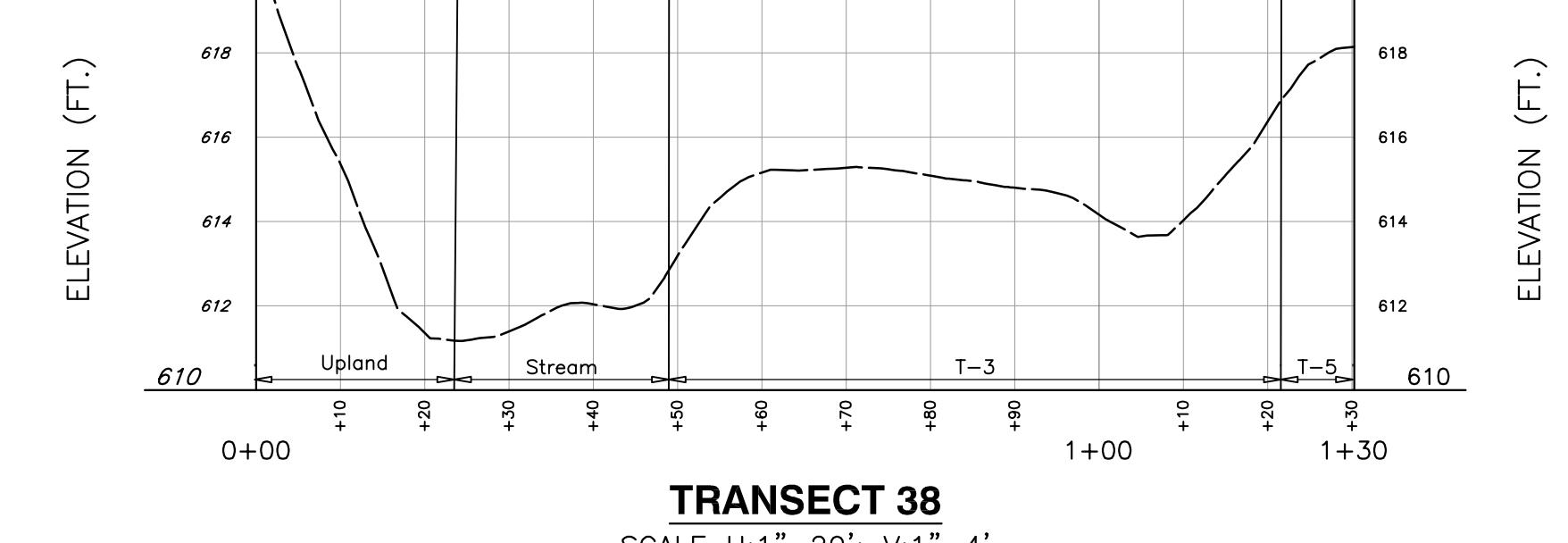
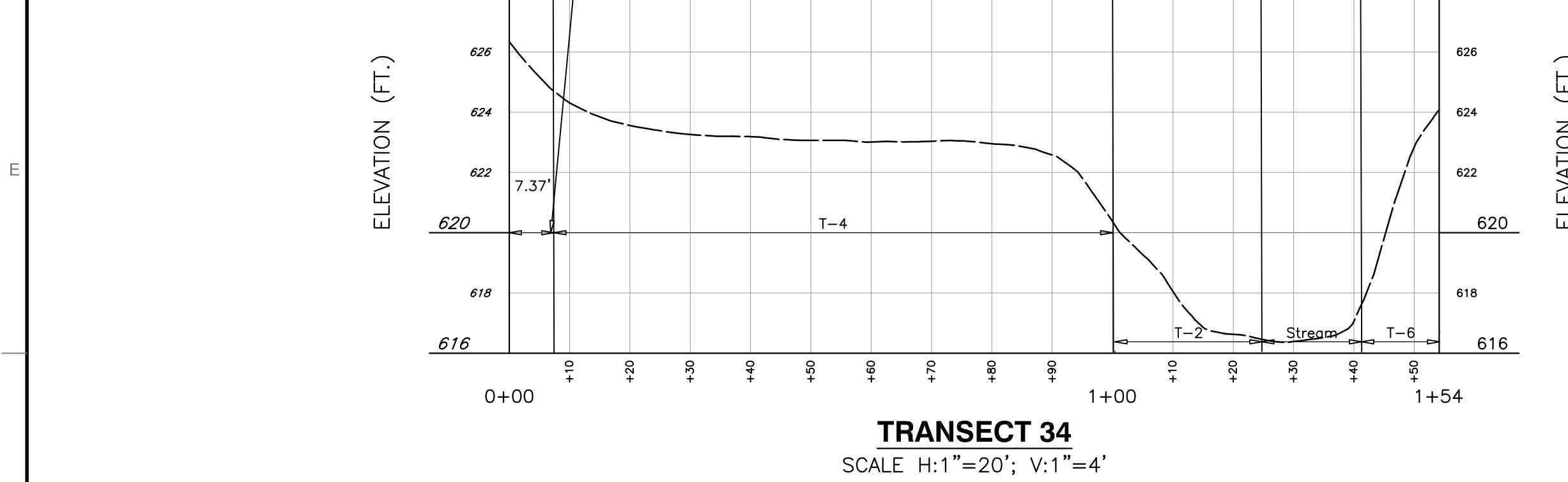
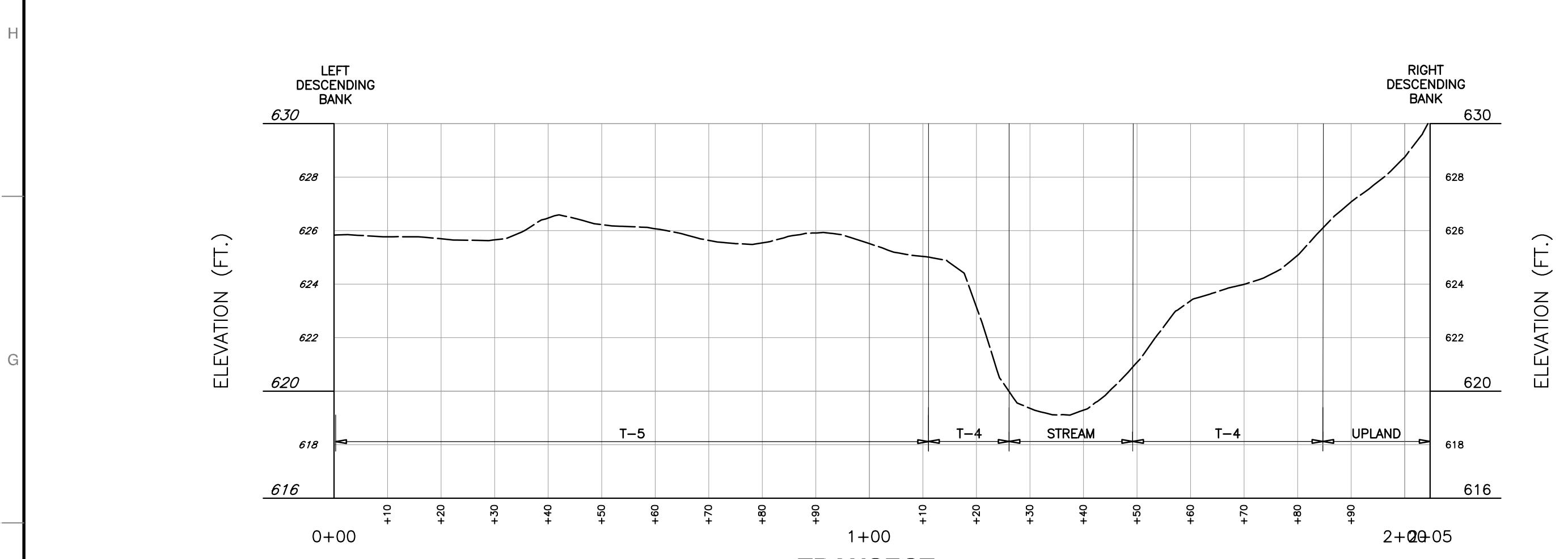
ARCONIC CORP. - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA

GEOMORPHIC SURVEY TRANSECTS

DRAWN BY:	JLM	CHECKED BY:	GAW	APPROVED BY:	JMB*	FIGURE NO:
DATE:	NOVEMBER 08, 2022	SCALE:	1" = 300	PROJECT NO:	315-052.0002	

5B

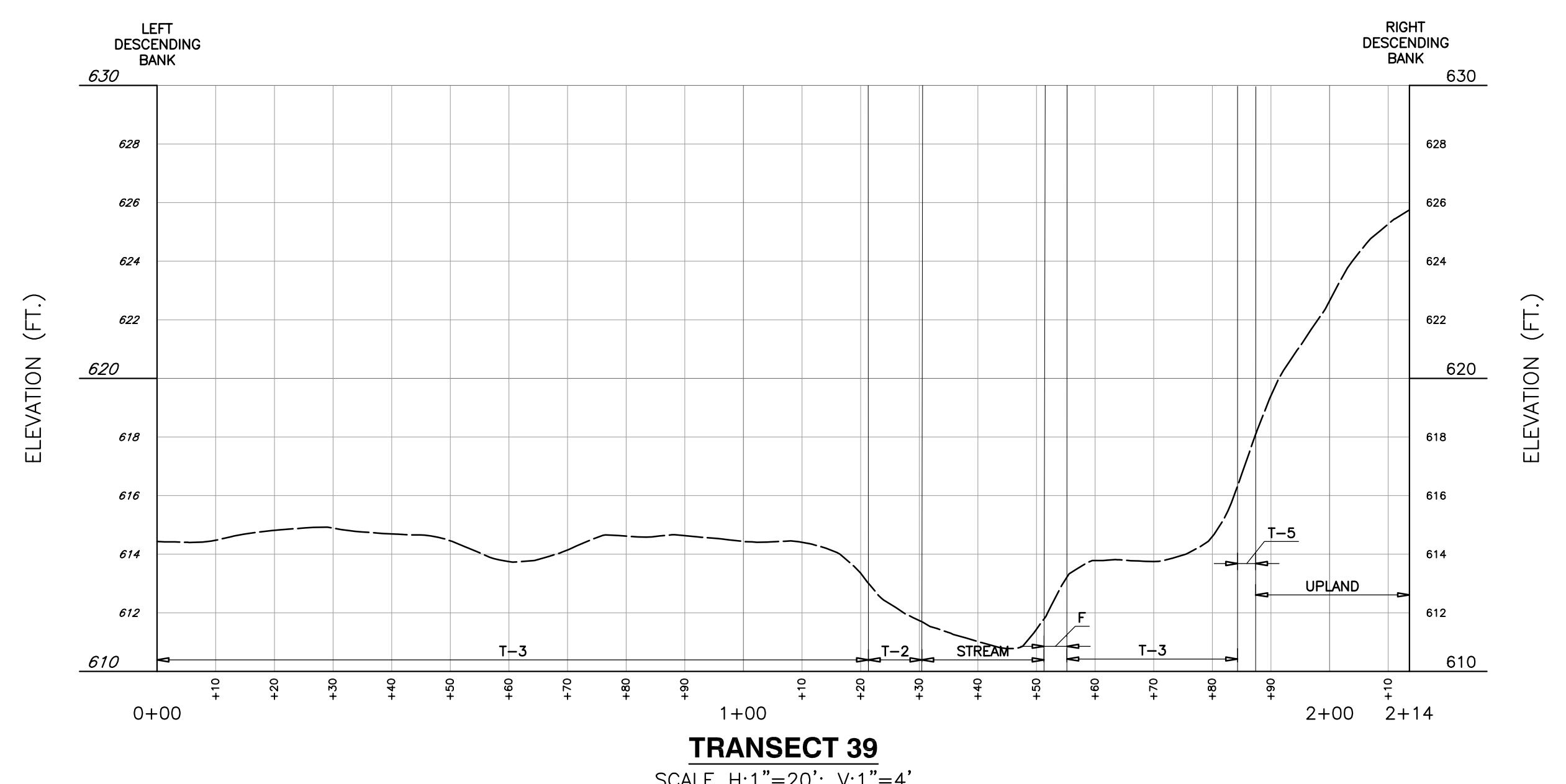
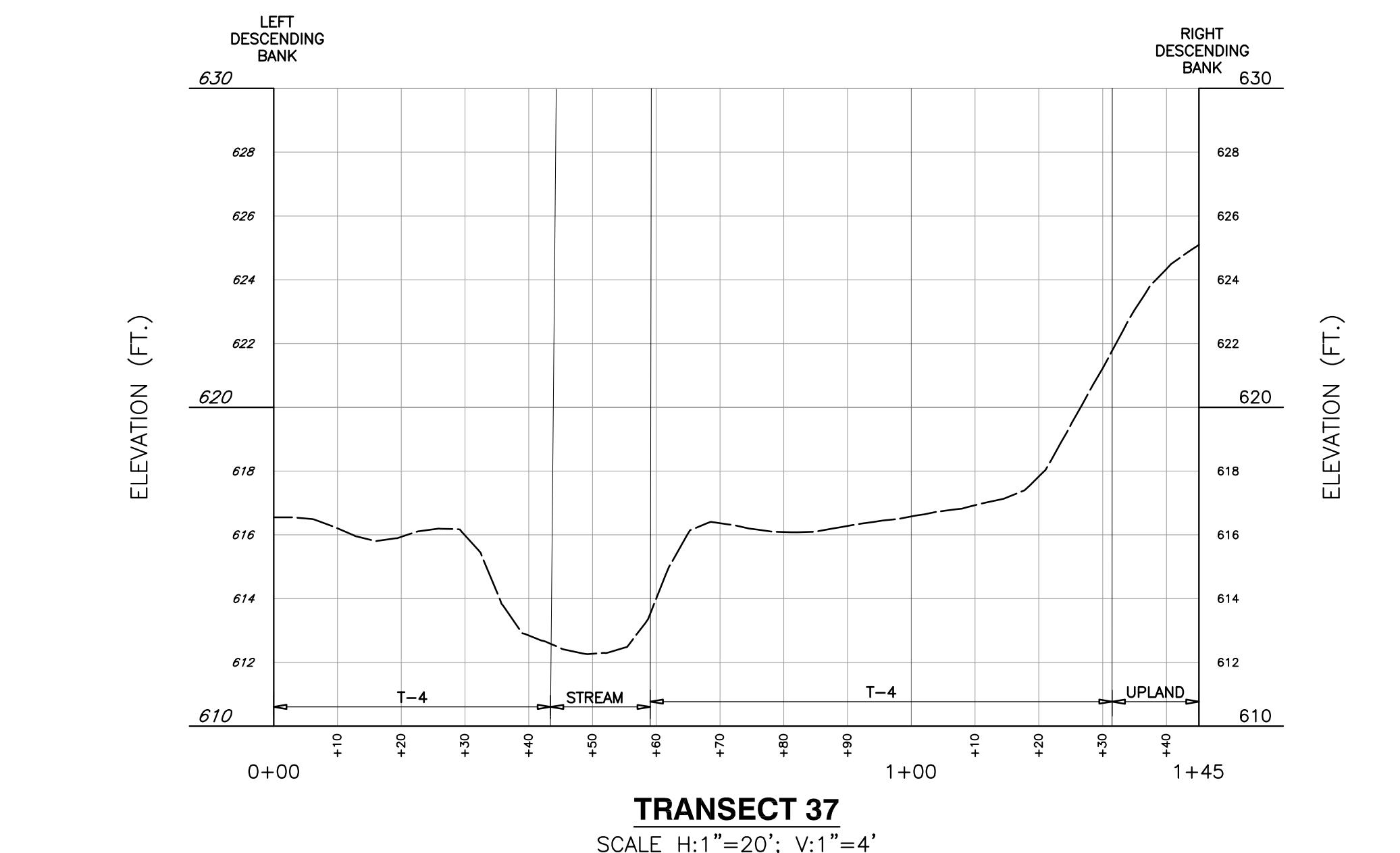
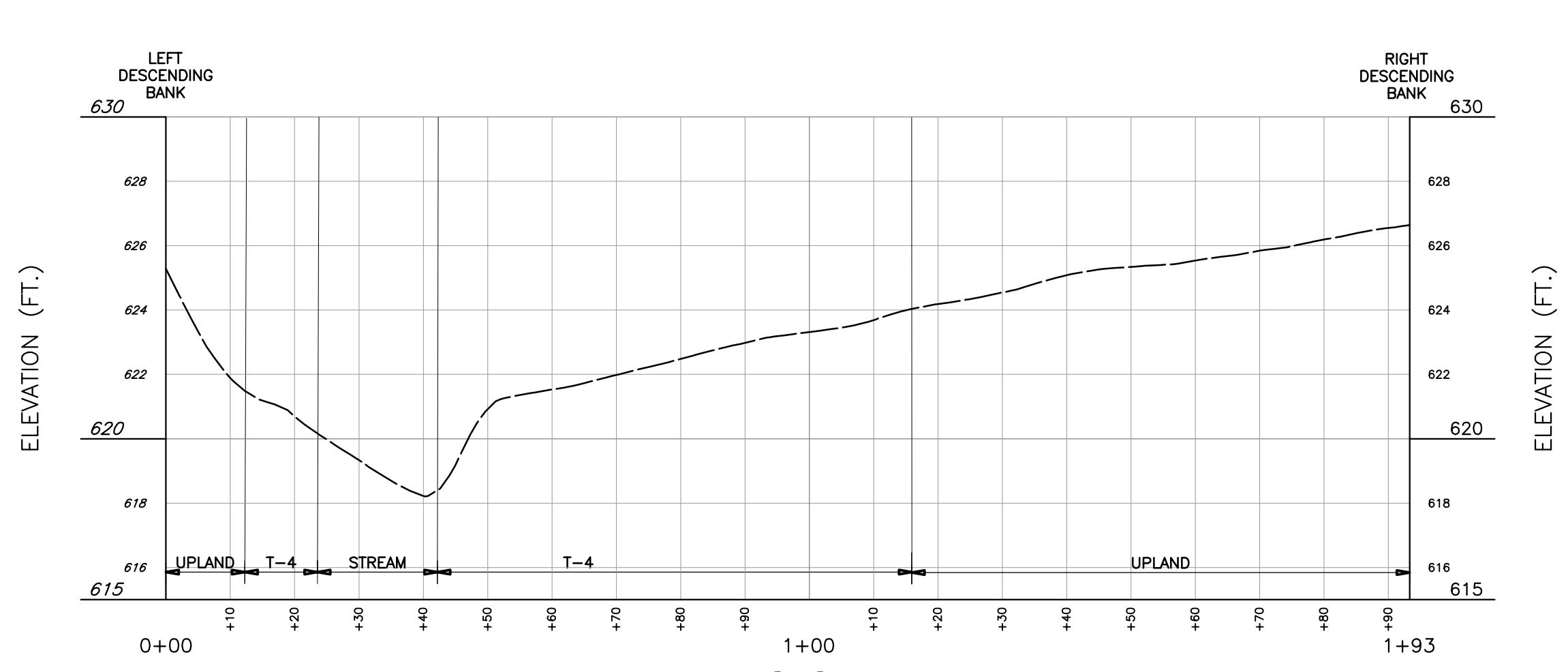
Signature on File *

**NOTE(S)**

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- LIDAR SURFACE ELEVATIONS WERE FIELD CHECKED DURING GEOMORPHIC MAPPING ACTIVITIES AND WERE FOUND TO BE GENERALLY CONSISTENT FROM REACH 4 THROUGH REACH 6, AND REPRESENTATIVE OF TERRACE FEATURES PREVIOUSLY DELINEATED AND DEPICTED ON CROSS-SECTIONS.

REFERENCE

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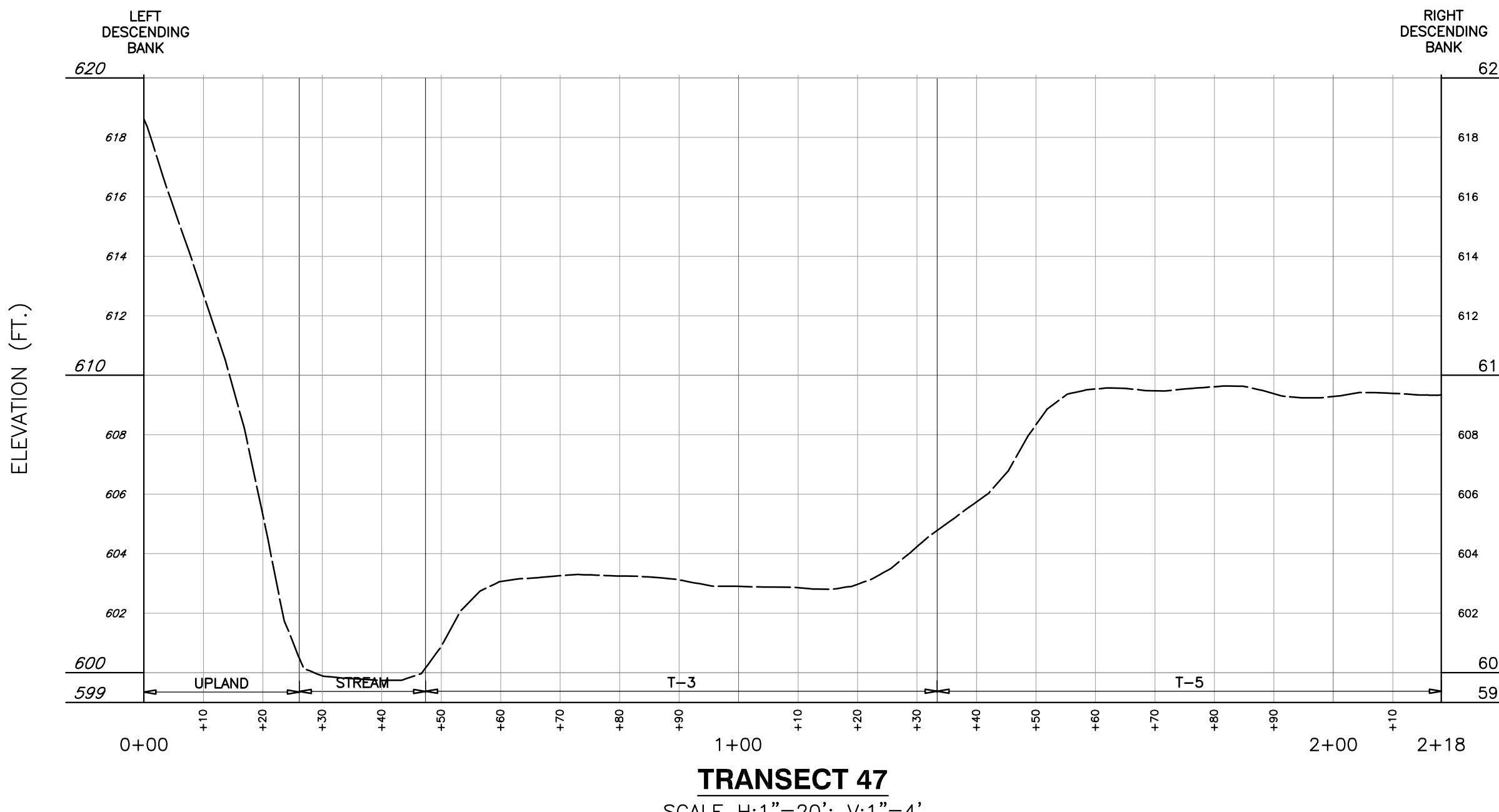
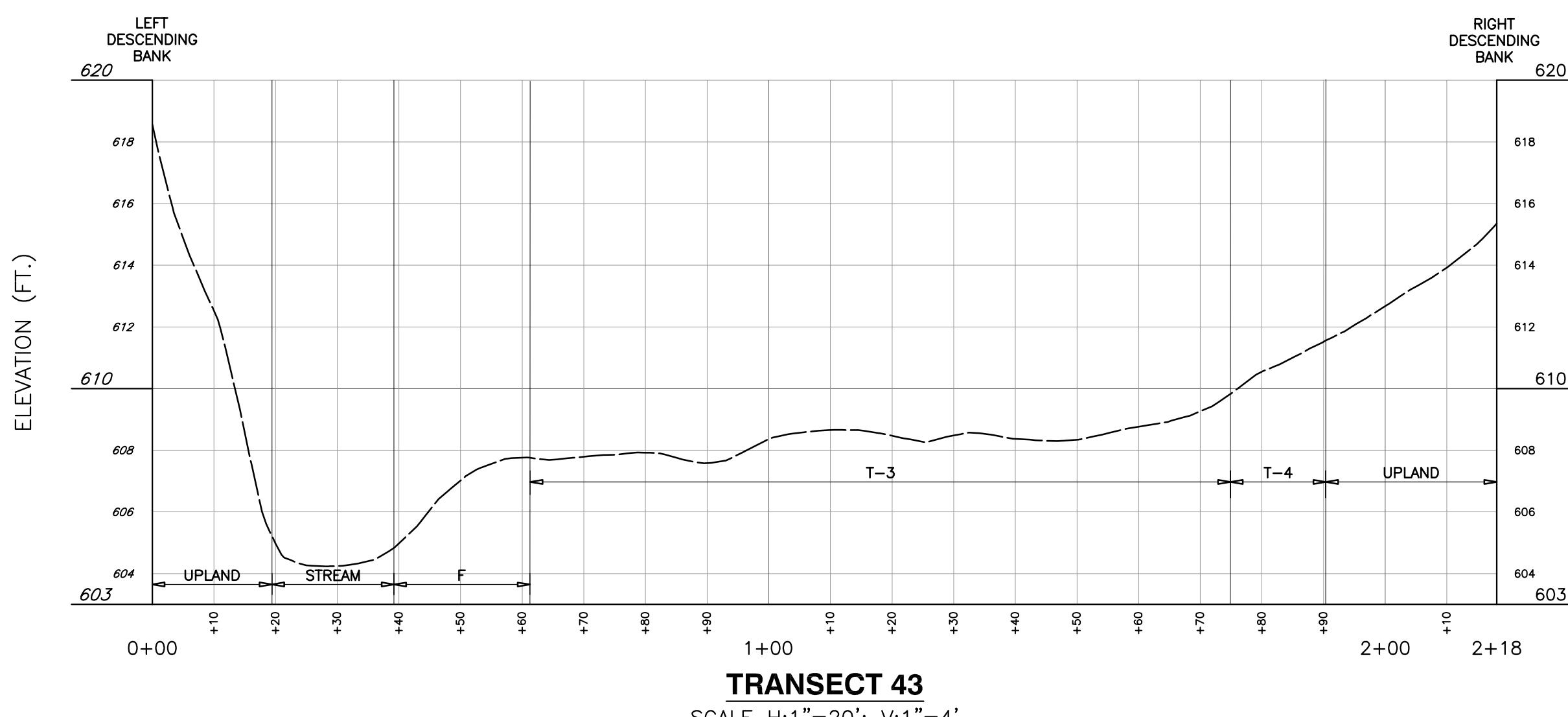
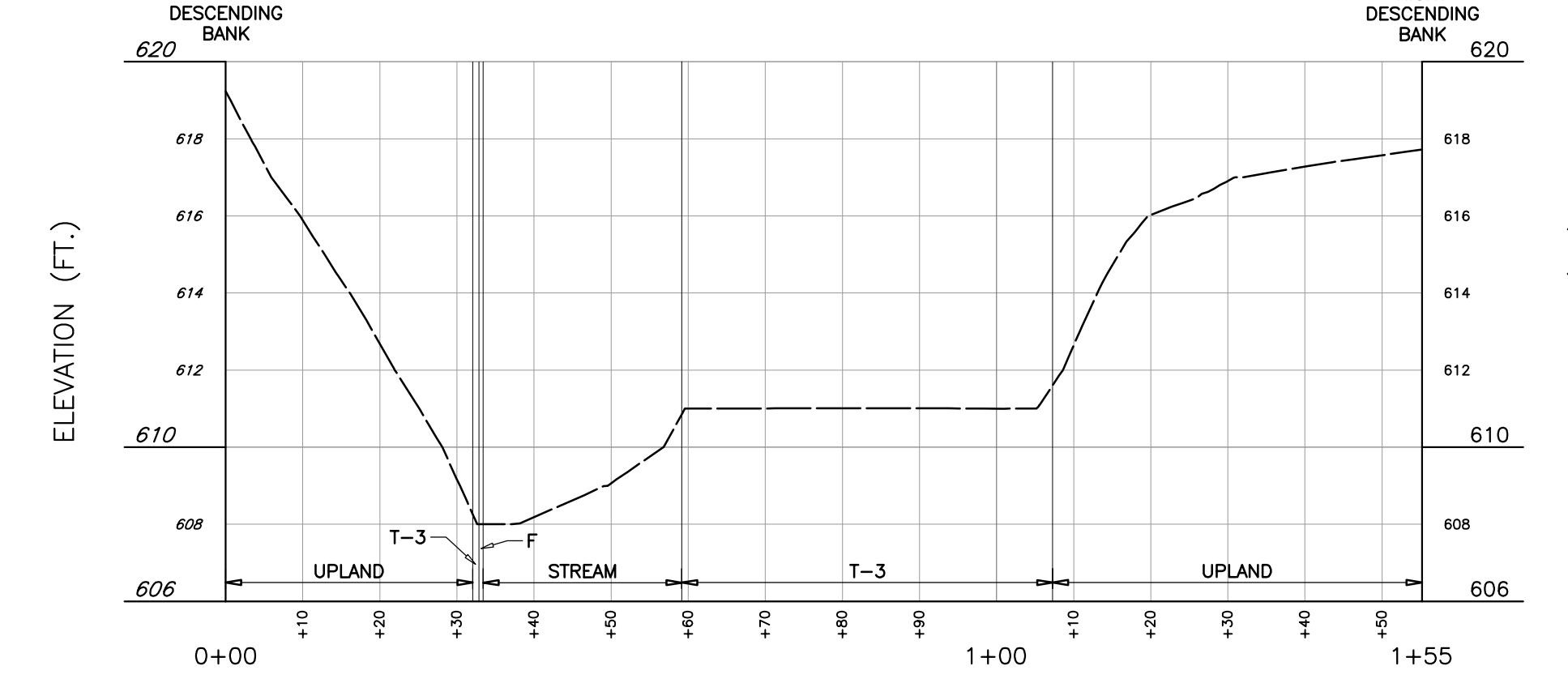
**ARCONIC LAFAYETTE, LLC
ELLIOTT DITCH REACHES 4-6
GEMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA**

**SURVEY TRANSECT PROFILES &
GEMORPHIC SURFACES****REVISION RECORD**

NO.	DATE	DESCRIPTION

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Ph: 865.977.9987 • Fax: 865.977.9919
www.cecinc.com

6A
SHEET 1 OF 5

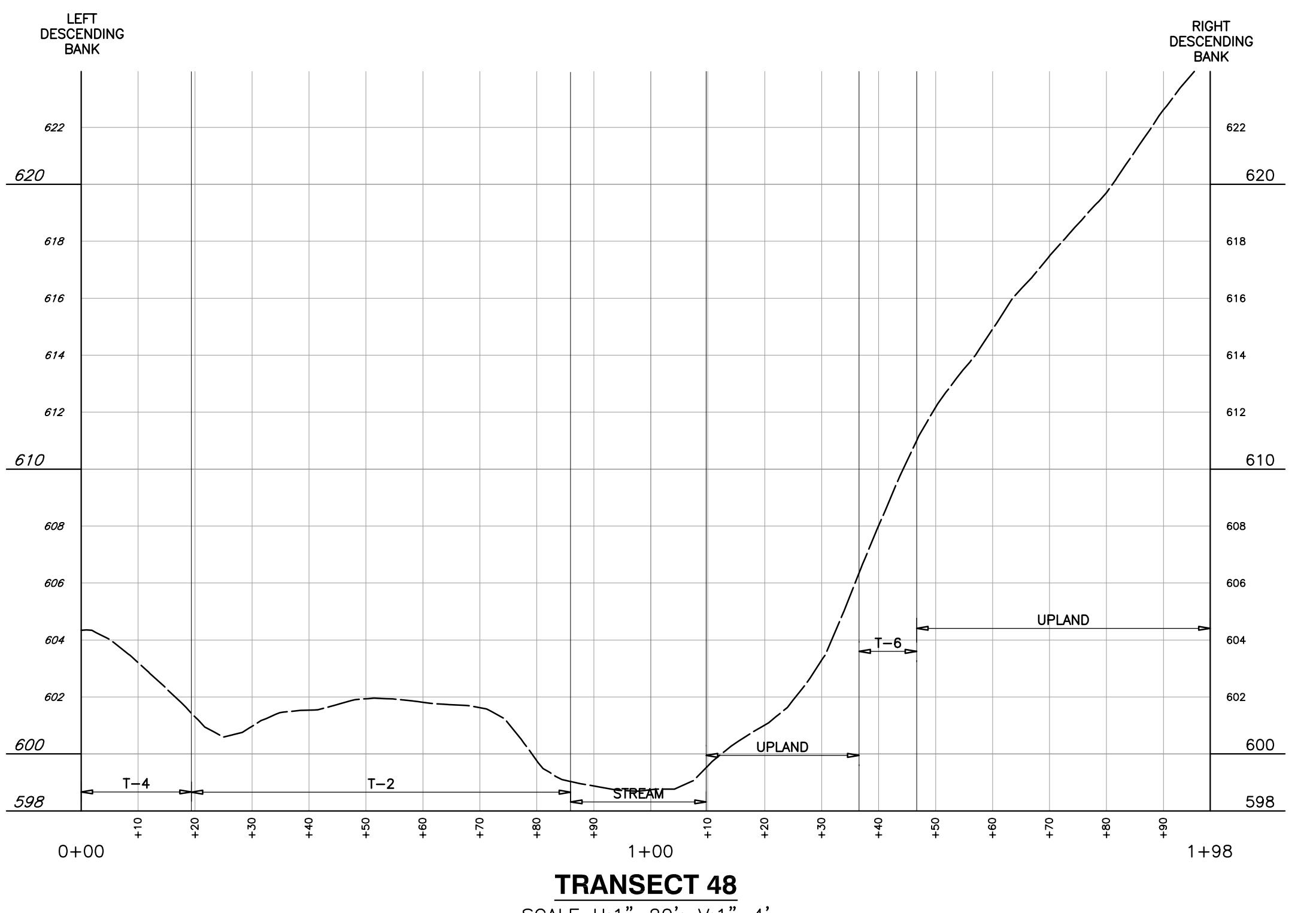
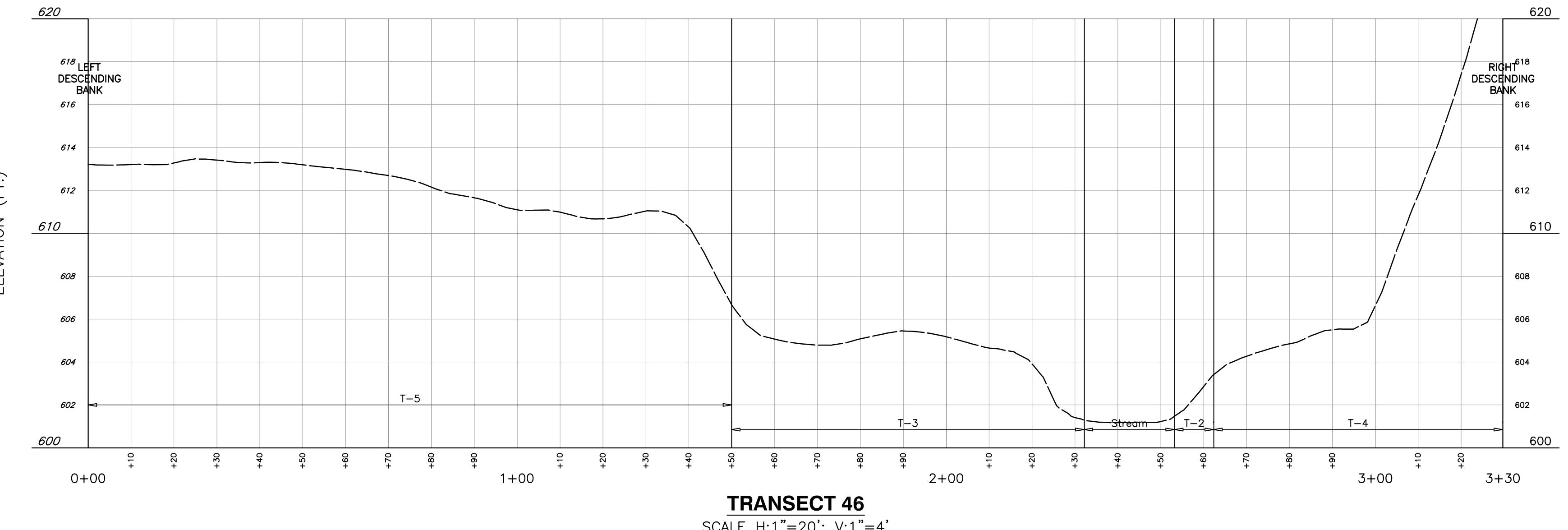
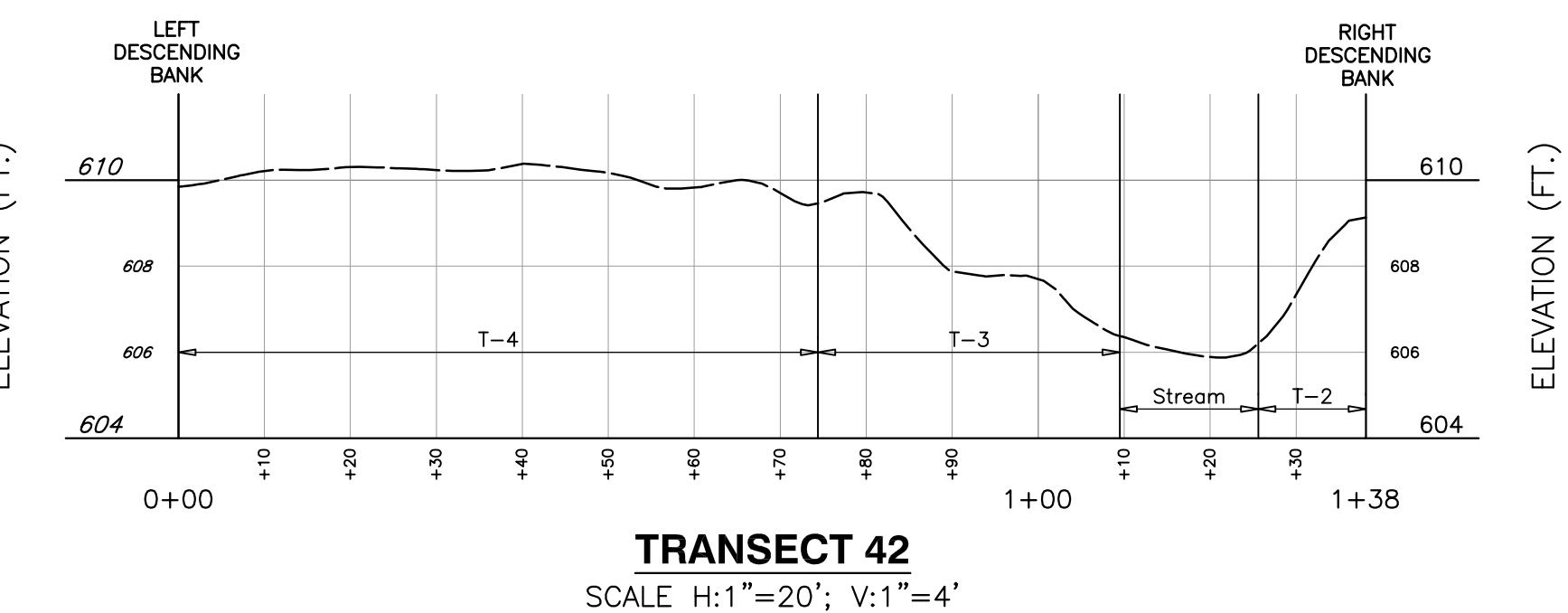


NOTE(S)

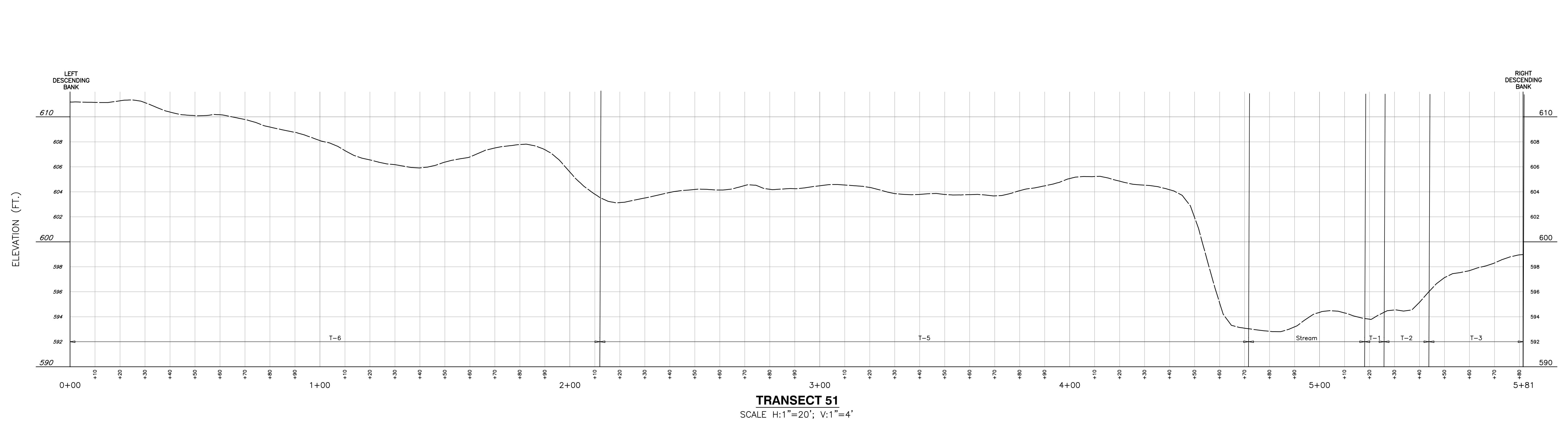
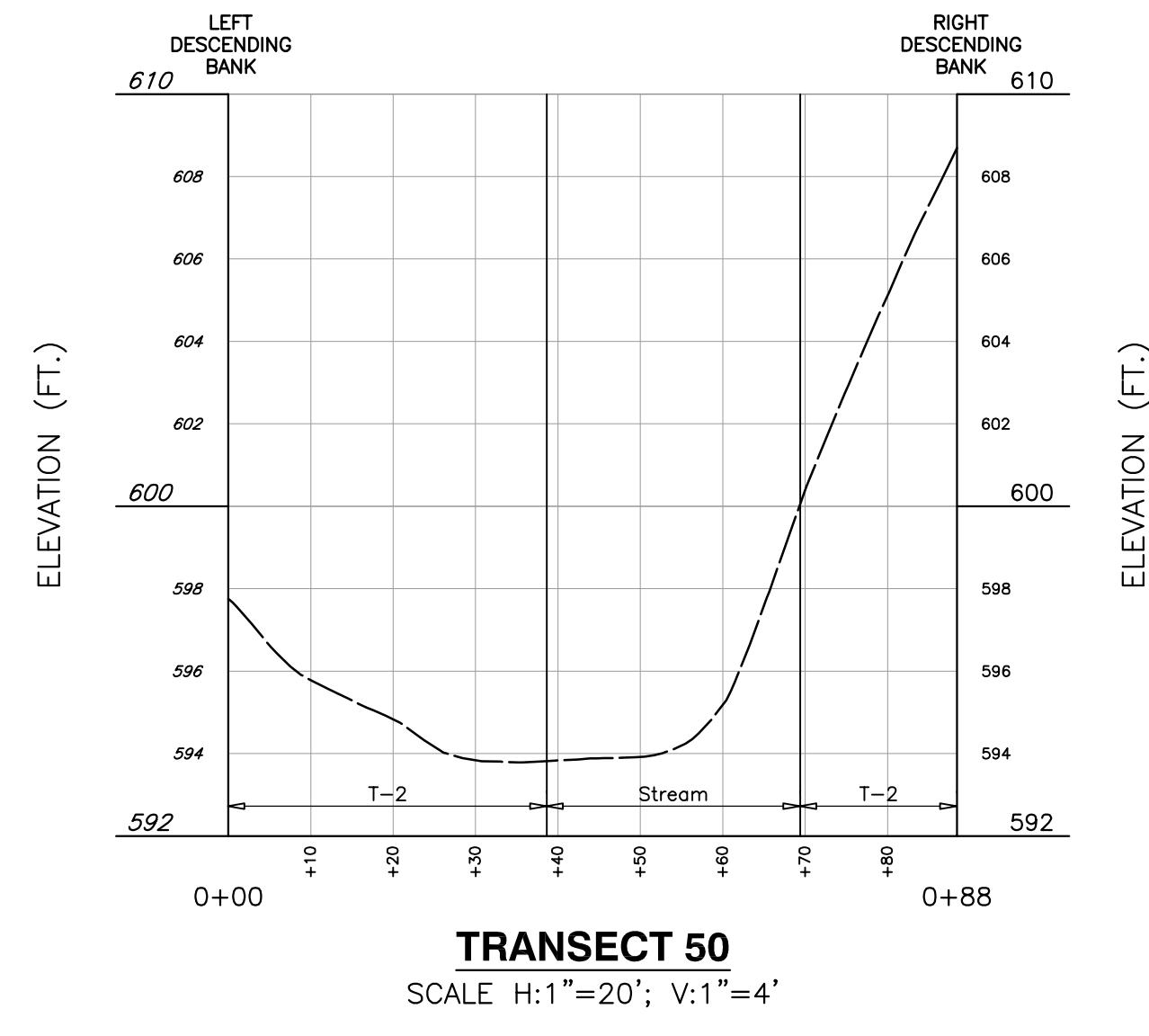
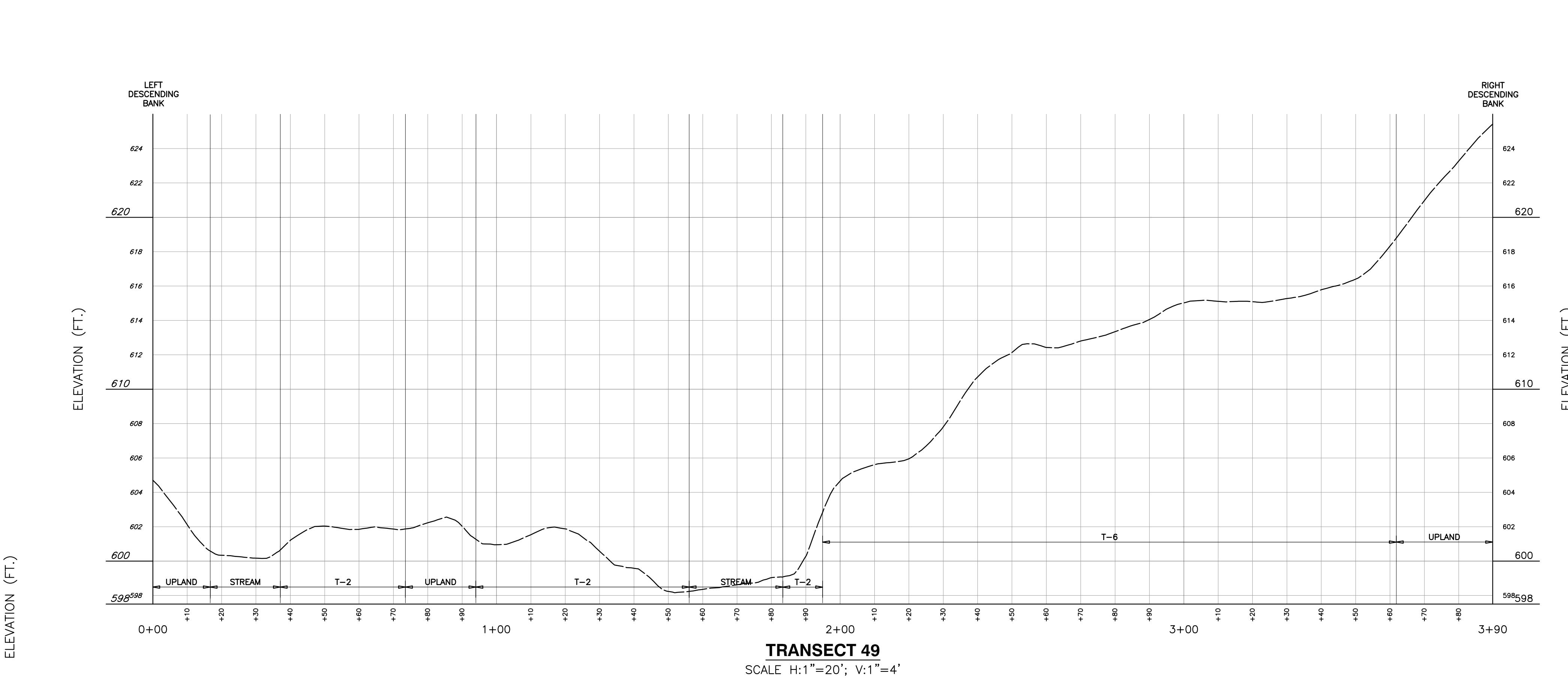
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SURVEY TRANSECT PROFILES & GEOMORPHIC SURFACES		ARCONIC LAFAYETTE, LLC ELLIOTT DITCH REACHES 4-6 GEMORPHIC MAPPING & SAMPLING LAFAYETTE, INDIANA		REVISION RECORD	
NO.	DATE	NOVEMBER 2022 DRAWN BY:	J.M. GAW	AS SHOWN CHECKED BY:	PROJECT NO.: 315-022-0002
FIGURE NO.:					JMB
SHEET					6B
2	OF				5

**NOTE(S)**

- PRESENTED GEOMORPHIC SURFACES REVISED BASED UPON DESKTOP REVIEW AND FIELD VERIFICATION BY A CEC, INC. GEOMORPHOLOGIST. ORIGINAL GEOMORPHIC SURFACES MAPPED BY TETRATECH.
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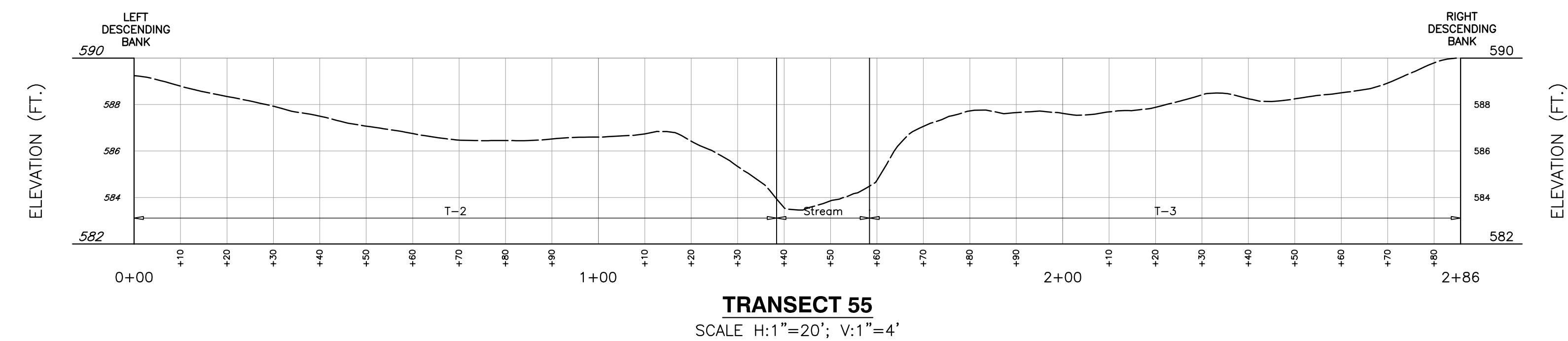
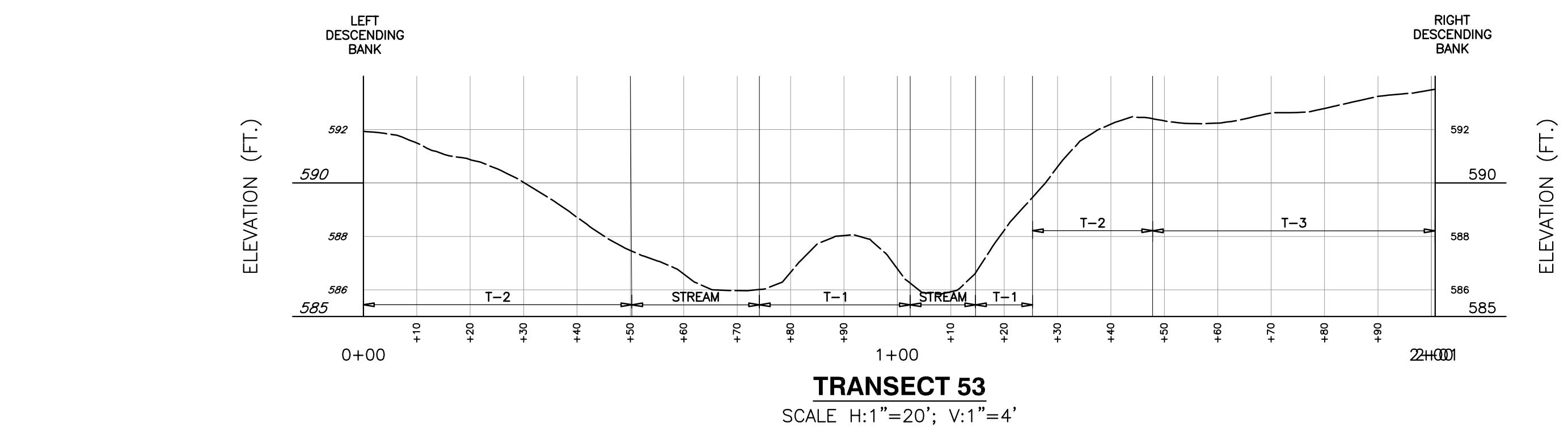
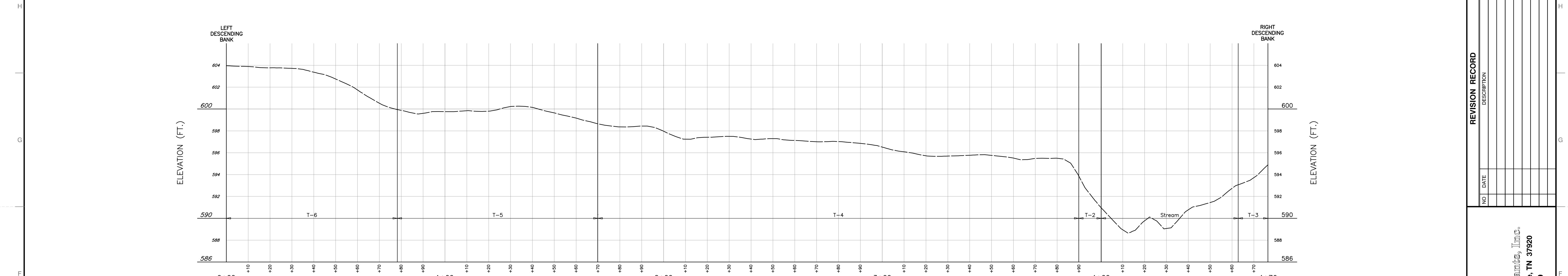
- SURVEY TRANSECT SURFACE ELEVATIONS BASED ON EXISTING CONDITIONS TOPOGRAPHY GENERATED FROM THE 2016-2020 INDIANA STATEWIDE 3DEP LIDAR DATA PRODUCTS FOR TIPEECAOE COUNTY, ACESSED VIA INDIANAMAP.

**ARCONIC LAFAYETTE, LLC
ELLIOTT DITCH REACHES 4-6
GEMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA**

**CEC & Environmental Consultants, Inc.
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www.cecinc.com**

SURVEY TRANSECT PROFILES & GEMORPHIC SURFACES		REVISION RECORD	
NO.	DATE	DESCRIPTION	
1			
2			
3			
4			
5			

6C
SHEET 3 OF 5

**NOTE(S)**

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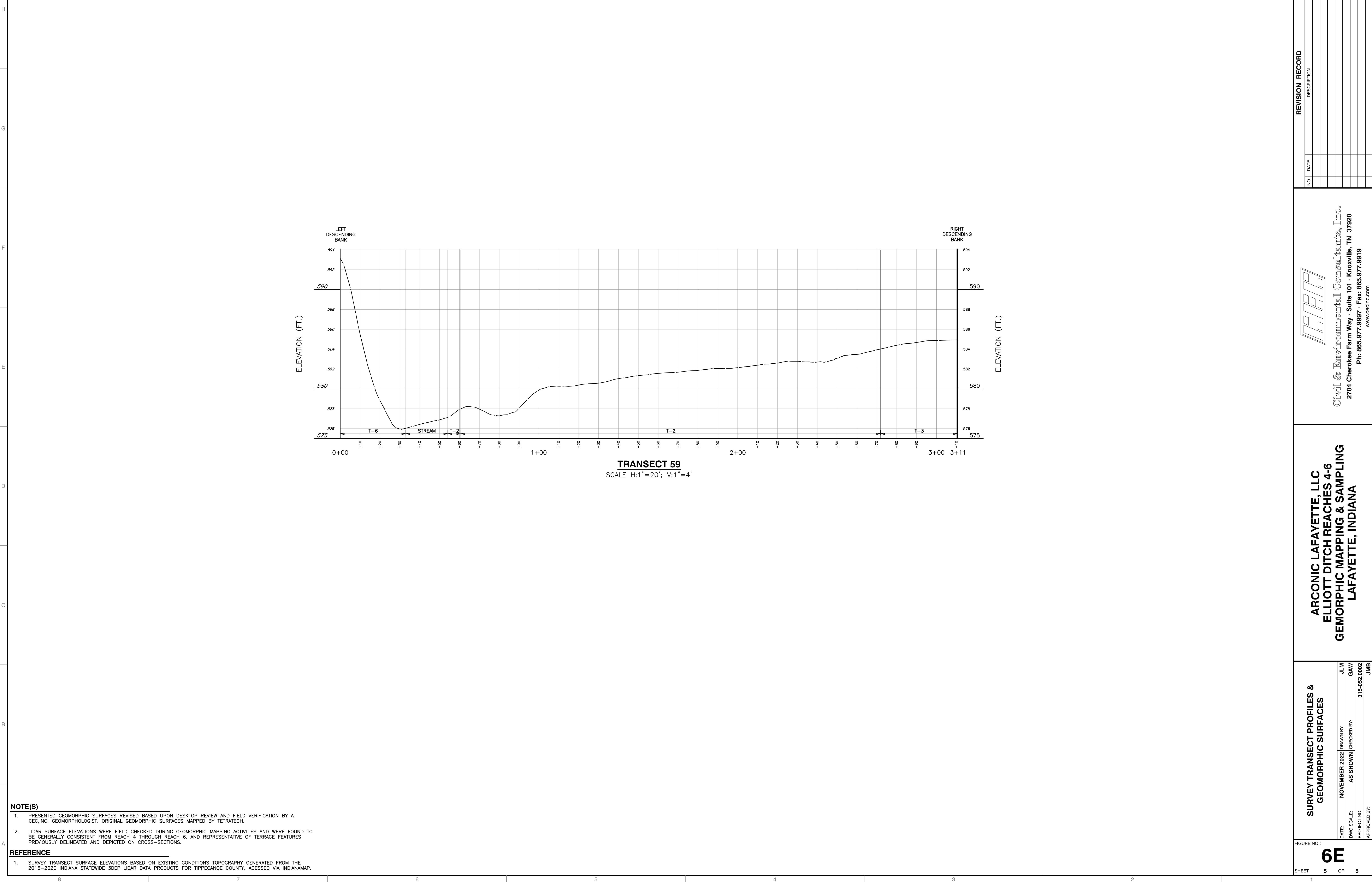
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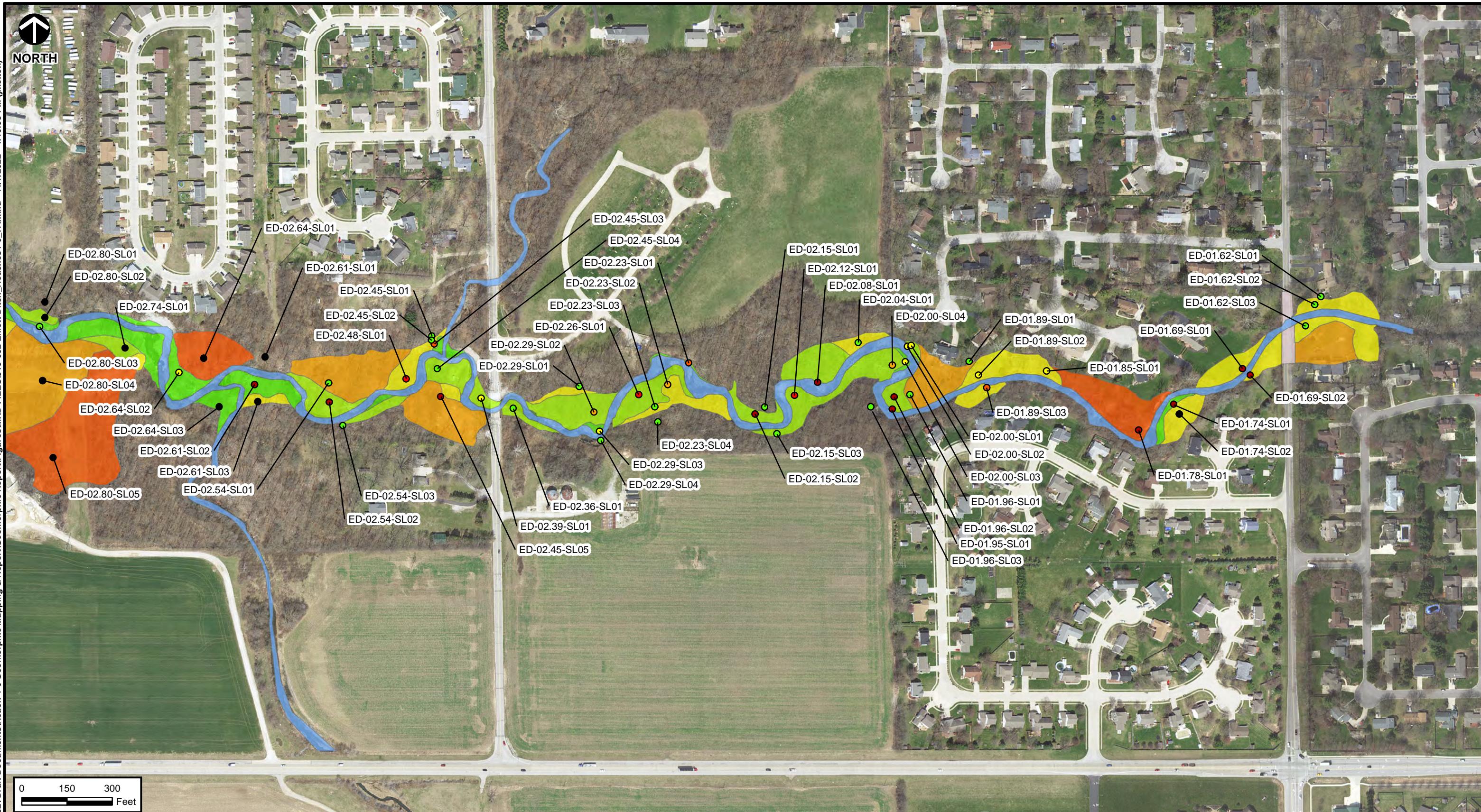
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ARCONIC LAFAYETTE, LLC		ELLIOTT DITCH REACHES 4-6		GEMORPHIC MAPPING & SAMPLING		LAFAYETTE, INDIANA	
Survey Transect Profiles & Geomorphic Surfaces							
Revision Record							
No.	Date	Description					
Civil & Environmental Consultants, Inc.							
2704 Cherokee Farm Way Suite 101 • Knoxville, TN 37920							
Ph: 865.977.9987 • Fax: 865.977.3919							
www.cecinc.com							

6D

DATE: NOVEMBER 2022 DRAWN BY: J.M.
DWG SCALE: AS SHOWN CHECKED BY: GAW
PROJECT NO.: 315-022-0002 APPROVED BY: JMB
FIGURE NO.: SHEET 4 OF 5





REFERENCE

AERIAL IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE
ORTHOPHOTOGRAPHY PROGRAM, PHOTO DATE 2018. OBTAINED FROM
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SOIL SAMPLE LOCATIONS ARE COLOR CODED BASED ON TOTAL PCB CONCENTRATIONS AS
QUANTIFIED BY LABORATORY ANALYSIS. SAMPLE LOCATIONS MAPPED BASED UPON FIELD
SURVEY MEASUREMENTS RECORDED AT TIME OF SAMPLING.

PRESENTED GEOMORPHIC SURFACES REVISED BASED UPON DESKTOP REVIEW AND FIELD
VERIFICATION BY A CEC, INC. GEOMORPHOLOGIST. ORIGINAL SURFACES MAPPED
BY TETRATECH

Soil PCB Results (mg/Kg)		Geomorphic Surfaces	
●	ND	Stream	
●	Less than 1	F	
●	1 to 3	T-1	
●	3 to 5	T-2	
●	5 to 10	T-3	
●	Greater than 10	T-4	
		T-5	
		T-6	
		Anthropogenic	
		Oxbow	

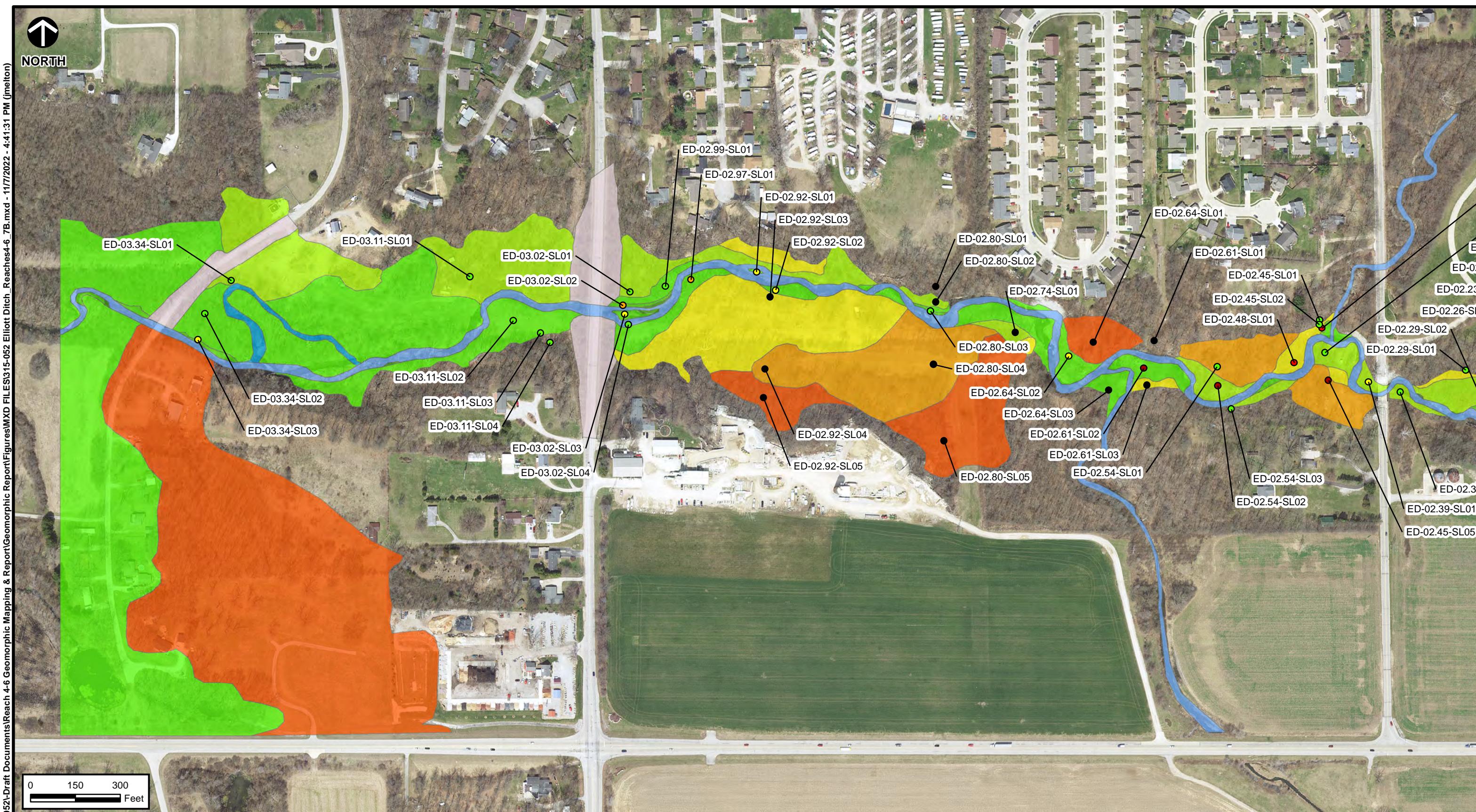


ARCONIC CORP. - ELLIOTT DITCH
REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA

SAMPLING RESULTS

DRAWN BY: JRO/JLM CHECKED BY: GAW APPROVED BY: JMB
DATE: NOVEMBER 07, 2022 SCALE: 1" = 300 PROJECT NO: 315-052.0002

FIGURE NO: 7A



REFERENCE

AERIAL IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE
ORTHOPHOTOGRAPHY PROGRAM, PHOTO DATE 2018. OBTAINED FROM
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VERIFICATION BY A CEC, INC. GEOMORPHOLOGIST.
ORIGINAL SURFACES MAPPED BY TETRATECH.

Soil PCB Results (mg/Kg)

- ND
- Less than 1
- 1 to 3
- 3 to 5
- 5 to 10
- Greater than 10

Geomorphic Surfaces

- Stream
- F
- T-1
- T-2
- T-3
- T-4
- T-5
- T-6
- Anthropogenic
- Oxbow

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REACHES 4-6 GEOMORPHIC ASSESSMENT
LAFAYETTE, INDIANA**

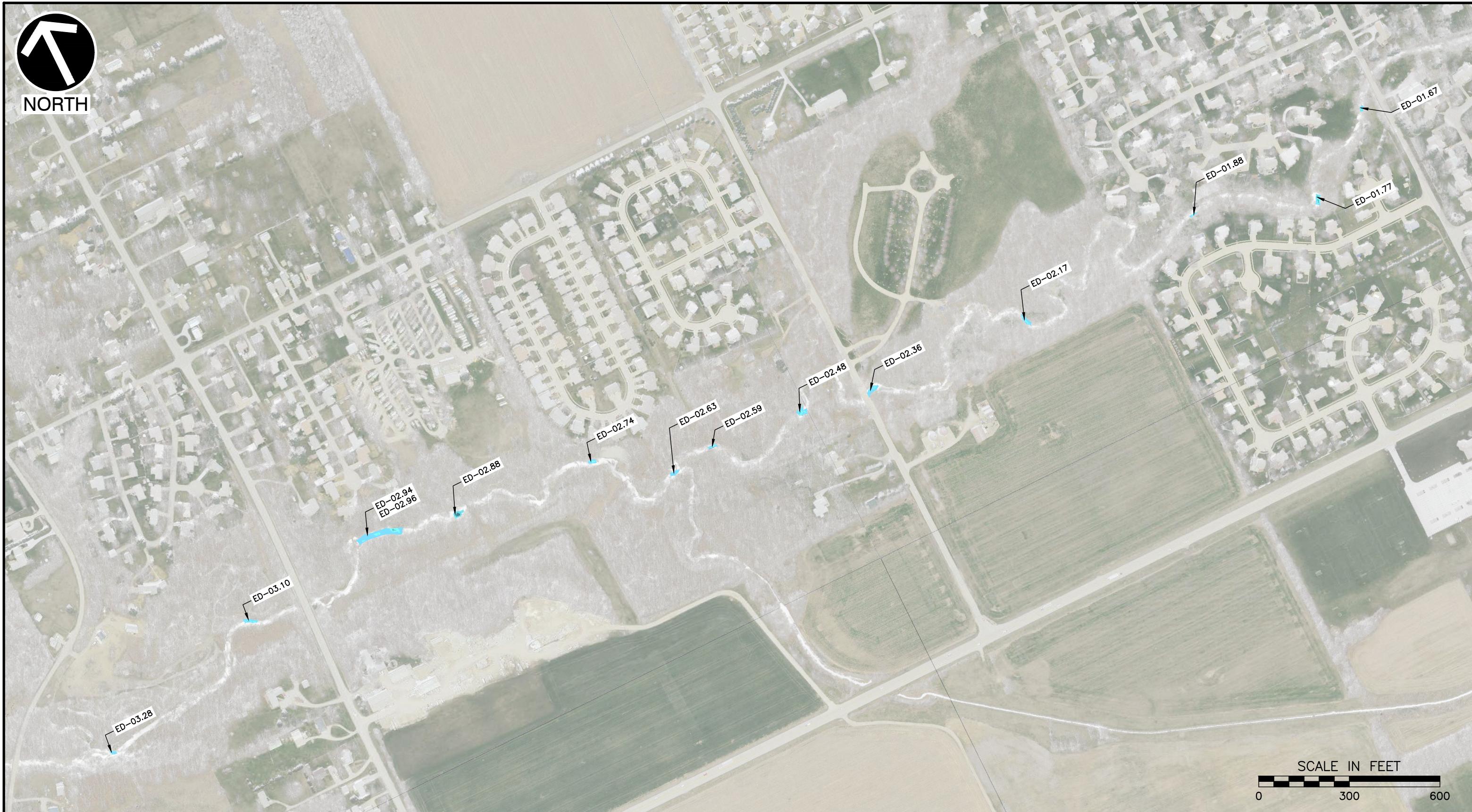
SAMPLING RESULTS

DRAWN BY:	JRO/JLM	CHECKED BY:	GAW	APPROVED BY:	JMB
DATE:	NOVEMBER 07, 2022	SCALE:	1" = 300	PROJECT NO:	315-052.0002

7B



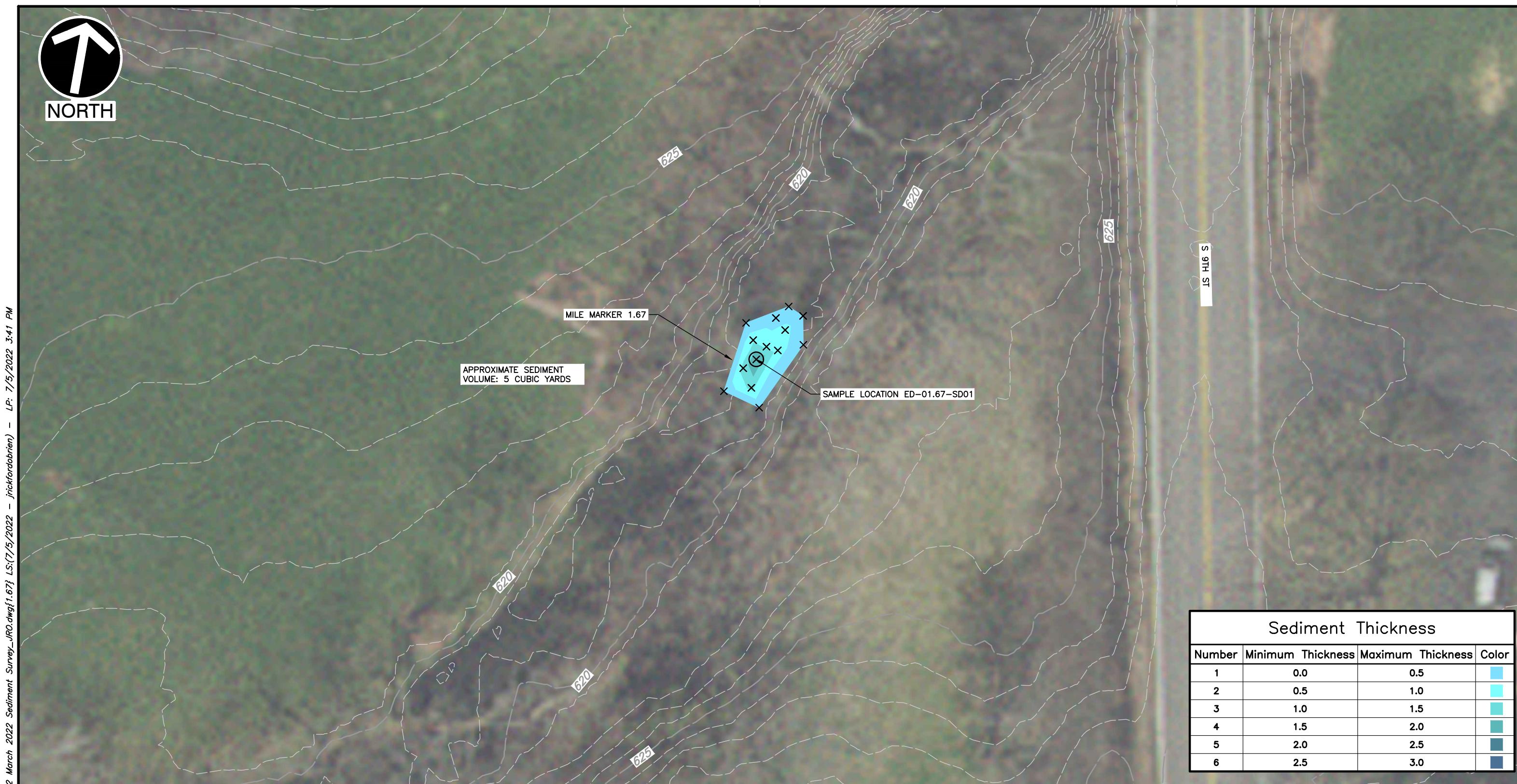
NORTH

**REFERENCE**

1. SEDIMENT COLLECTION DATA TAKEN BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC BY SURVEY CONDUCTED IN FEBRUARY 2022.
2. EXISTING TOPOGRAPHY BASED ON EXISTING CONDITIONS TOPOGRAPHY GENERATED FROM THE 2016–2020 INDIANA STATEWIDE 3DEP LIDAR DATA PRODUCTS FOR TIPPECANOE COUNTY, ACESSED VIA INDIANAMAP.
3. IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE 2016–2018 INDIANA ORTHOPHOTOGRAPHY REFRESH PROGRAM. LAFAYETTE COUNTY IMAGERY DATED 2018, DOWNLOADED 12/7/2021.

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DRAWN BY:	KAM	CHECKED BY:	GAW
DATE:	MARCH 31, 2022	DWG SCALE:	1"=300'

ARCONIC CORPORATION	REACHES 4-6	GEOMORPHIC MAPPING & SAMPLING	PROJECT NO.: 315-052.0003
ELLIOTT DITCH REACHES 4-6	LAFAYETTE, INDIANA	REACHES 4-6	
GEOMORPHIC MAPPING & SAMPLING	LAFAYETTE, INDIANA	SEDIMENT DEPOSIT OVERVIEW	



LEGEND

X SEDIMENT POLING LOCATION

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**ARCONIC CORPORATION
ELLIOTT DITCH REACHES 4-6
GEOMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA**

**REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKER 1.67**

DRAWN BY: KAM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO.:
DATE: MARCH 31, 2022 DWG SCALE: 1"=20' PROJECT NO: 315-052.0003

8A



LEGEND

X SEDIMENT POLING LOCATION

REFERENCE

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ARCONIC CORPORATION
ELLIOTT DITCH REACHES 4-6
GEOMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA
REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKER 1.77

DRAWN BY: KAM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO.:
DATE: MARCH 31, 2022 DWG SCALE: 1"=20' PROJECT NO: 315-052.0003

8B



NORTH

TENNIS COURT

**LEGEND**

X SEDIMENT POLING LOCATION

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SCALE IN FEET

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ARCONIC CORPORATION
ELLIOTT DITCH REACHES 4-6
GEOMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA
REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKER 1.88
FIGURE NO.: 8C

DRAWN BY: KAM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO.:
DATE: MARCH 31, 2022 DWG SCALE: 1"=20' PROJECT NO: 315-052.0003

8C



LEGEND

SEDIMENT POLING LOCATION

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**ARCONIC CORPORATION
ELLIOTT DITCH REACHES 4-6
GEOMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA**

**REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKER 2.17**

DRAWN BY:	KAM	CHECKED BY:	GAW	APPROVED BY:	JMB*	FIGURE NO.:
DATE:	MARCH 31, 2022	DWG SCALE:	1"=20'	PROJECT NO:	315-052.0003	8D



NORTH

P:\310-000\315-052\CA00\DWG\315-052 March 2022 Sediment Survey-JR0.dwg[2.36 AND 2.48] LS:(7/5/2022 - jnctfordobrien) - LP: 7/5/2022 3:43 PM

**LEGEND**

SEDIMENT POLING LOCATION

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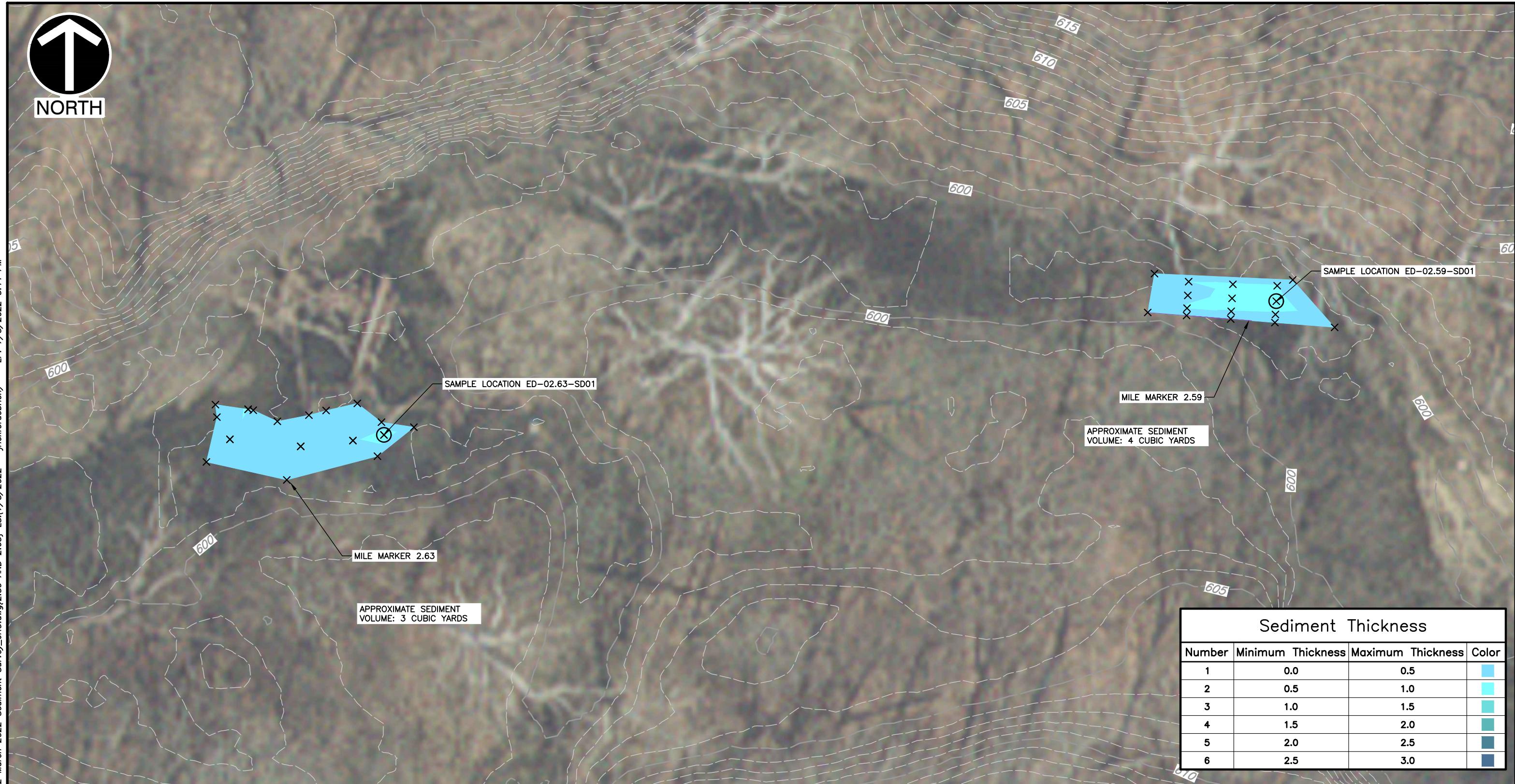
ARCONIC CORPORATION
ELLIOTT DITCH REACHES 4-6
GEOMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA

REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKERS 2.36 AND 2.48

DRAWN BY:	KAM	CHECKED BY:	GAW	APPROVED BY:	JMB*	FIGURE NO.:
DATE:	MARCH 31, 2022	DWG SCALE:	1"=30'	PROJECT NO:	315-052.0003	8E



NORTH



Sediment Thickness			
Number	Minimum Thickness	Maximum Thickness	Color
1	0.0	0.5	
2	0.5	1.0	
3	1.0	1.5	
4	1.5	2.0	
5	2.0	2.5	
6	2.5	3.0	

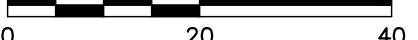
LEGEND

X SEDIMENT POLING LOCATION

REFERENCE

1. SEDIMENT COLLECTION DATA TAKEN BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC DURING SURVEY CONDUCTED IN FEBRUARY & MARCH 2022.
2. EXISTING TOPOGRAPHY BASED ON EXISTING CONDITIONS TOPOGRAPHY GENERATED FROM THE 2016–2020 INDIANA STATEWIDE 3DEP LIDAR DATA PRODUCTS FOR TIPPECANOE COUNTY, ACESSED VIA INDIANAMAP.
3. IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE 2016–2018 INDIANA ORTHOPHOTOGRAPHY REFRESH PROGRAM. LAFAYETTE COUNTY IMAGERY DATED 2018, DOWNLOADED 12/7/2021.

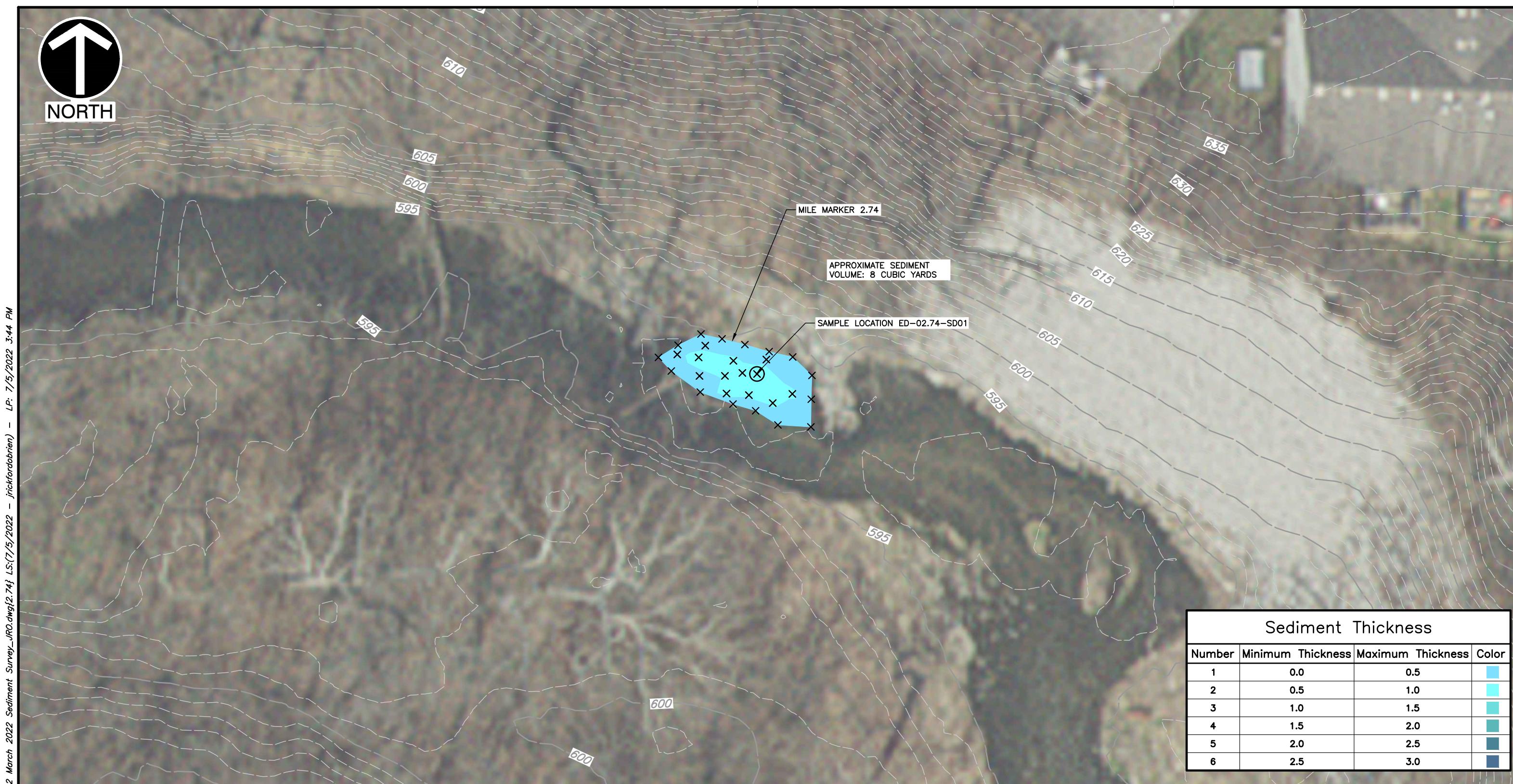
SCALE IN FEET



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ELLIOTT DITCH REACHES 4-6
GEOMORPHIC MAPPING & SAMPLING
LAFAYETTE, INDIANA
REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKERS 2.59 AND 2.63
DRAWN BY: KAM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO.:
DATE: MARCH 31, 2022 DWG SCALE: 1"=20' PROJECT NO: 315-052.0003

8F



LEGEND

SEDIMENT POLING LOCATION

REFERENCE

1. SEDIMENT COLLECTION DATA TAKEN BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC DURING SURVEY CONDUCTED IN FEBRUARY & MARCH 2022.
2. EXISTING TOPOGRAPHY BASED ON EXISTING CONDITIONS TOPOGRAPHY GENERATED FROM THE 2016–2020 INDIANA STATEWIDE 3DEP LIDAR DATA PRODUCTS FOR TIPPECANOE COUNTY, ACESSED VIA INDIANAMAP.
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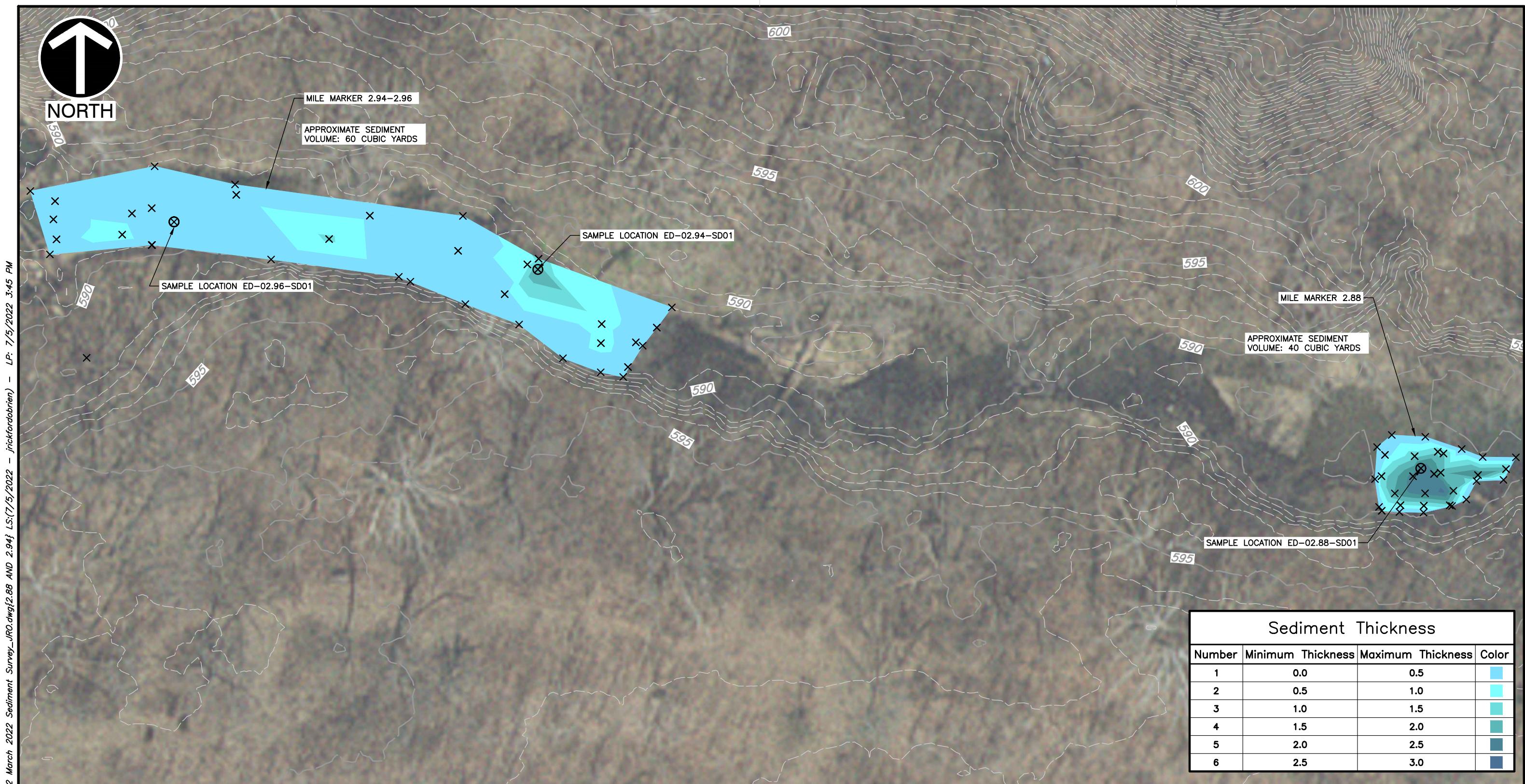
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**REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKER 2.74**

DRAWN BY:	KAM	CHECKED BY:	GAW	APPROVED BY:	JMB*	FIGURE NO.:
DATE:	MARCH 31, 2022	DWG SCALE:	1"=20'	PROJECT NO:	315-052.0003	8G



LEGEND

SEDIMENT POLING LOCATION

REFERENCE

1. SEDIMENT COLLECTION DATA TAKEN BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC DURING SURVEY CONDUCTED IN FEBRUARY & MARCH 2022.
2. EXISTING TOPOGRAPHY BASED ON EXISTING CONDITIONS TOPOGRAPHY GENERATED FROM THE 2016–2020 INDIANA STATEWIDE 3DEP LIDAR DATA PRODUCTS FOR TIPPECANOE COUNTY, ACESSED VIA INDIANAMAP.
3. IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE 2016–2018 INDIANA ORTHOPHOTOGRAPHY REFRESH PROGRAM. LAFAYETTE COUNTY IMAGERY DATED 2018, DOWNLOADED 12/7/2021.

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LAFAYETTE, INDIANA

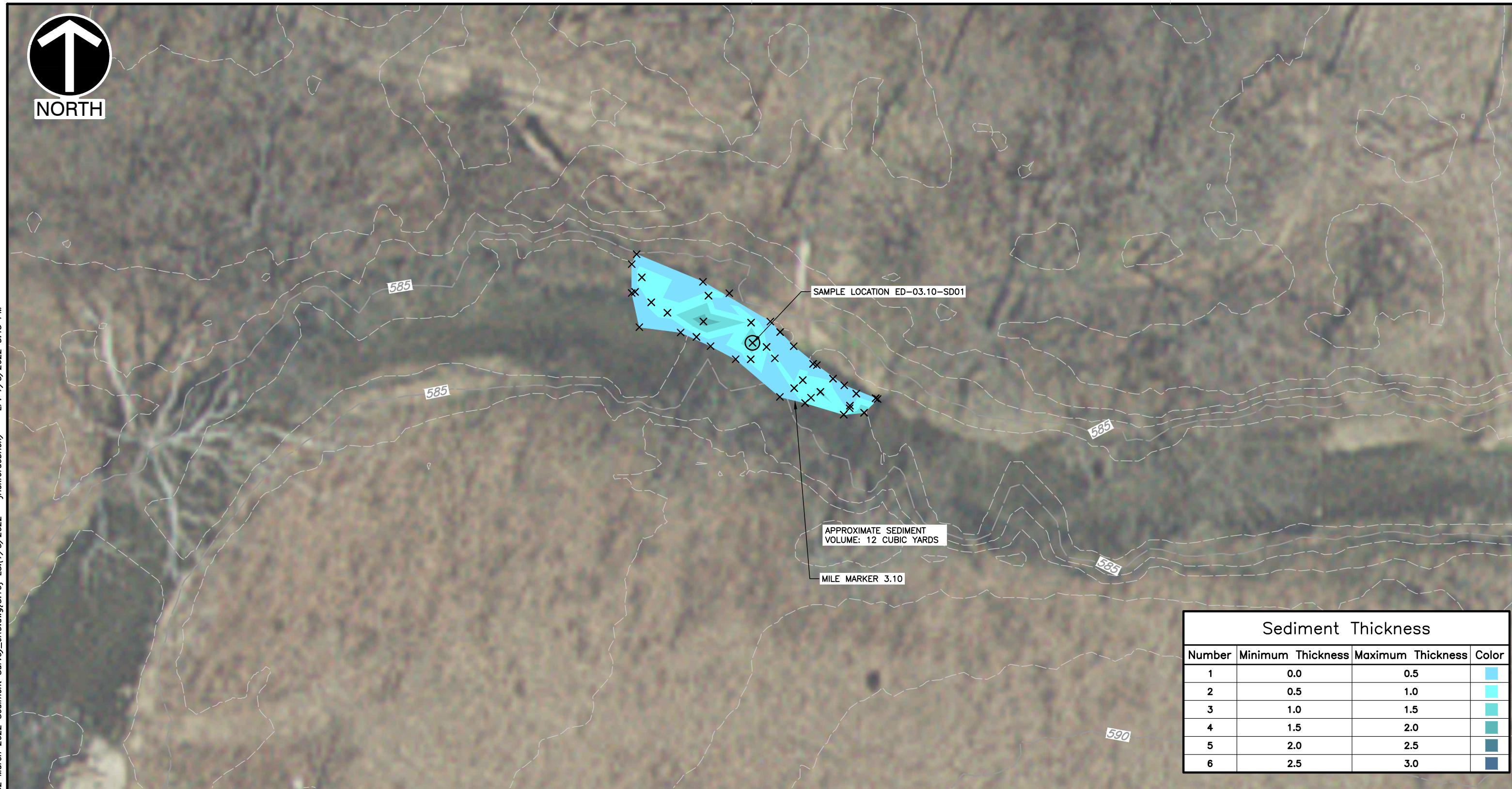
REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKERS 2.88 AND 2.94 – 2.96

DRAWN BY: KAM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO.: 8H
DATE: MARCH 31, 2022 DWG SCALE: 1"=30' PROJECT NO: 315-052.0003



NORTH

P:\310-000\315-052\CAD\DWG\315-052 March 2022 Sediment Survey-JR0.dwg\3.10f LS\7/5/2022 - jrickfordobrien) - LP: 7/5/2022 3:45 PM



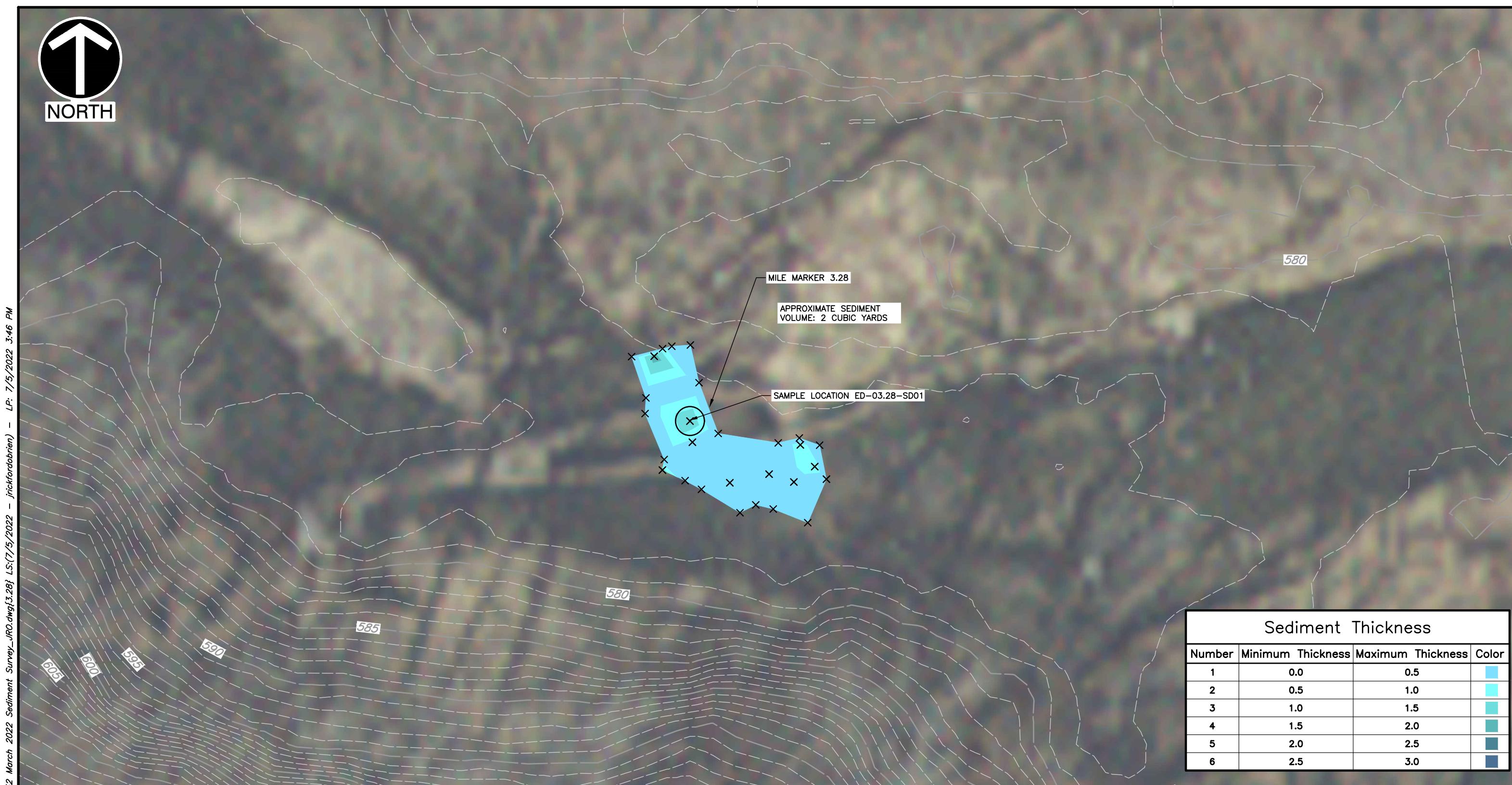
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Number	Minimum Thickness	Maximum Thickness	Color
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2	0.5	1.0	
3	1.0	1.5	
4	1.5	2.0	
5	2.0	2.5	
6	2.5	3.0	

LEGEND

X SEDIMENT POLING LOCATION

REFERENCE

1. SEDIMENT COLLECTION DATA TAKEN BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC DURING SURVEY CONDUCTED IN FEBRUARY & MARCH 2022.
2. EXISTING TOPOGRAPHY BASED ON EXISTING CONDITIONS TOPOGRAPHY GENERATED FROM THE 2016–2020 INDIANA STATEWIDE 3DEP LIDAR DATA PRODUCTS FOR TIPPECANOE COUNTY, ACESSED VIA INDIANAMAP.
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LEGEND

X SEDIMENT POLING LOCATION

REFERENCE

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- EXISTING TOPOGRAPHY BASED ON EXISTING CONDITIONS TOPOGRAPHY GENERATED FROM THE 2016–2020 INDIANA STATEWIDE 3DEP LIDAR DATA PRODUCTS FOR TIPPECANOE COUNTY, ACESSED VIA INDIANAMAP.
- IMAGERY PROVIDED BY THE INDIANA GEOGRAPHIC INFORMATION OFFICE 2016–2018 INDIANA ORTHOPHOTOGRAPHY REFRESH PROGRAM. LAFAYETTE COUNTY IMAGERY DATED 2018, DOWNLOADED 12/7/2021.

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LAFAYETTE, INDIANA

REACHES 4-6 SEDIMENT DEPOSITS
MILE MARKER 3.28

DRAWN BY: KAM CHECKED BY: GAW APPROVED BY: JMB* FIGURE NO.: 8J
DATE: MARCH 31, 2022 DWG SCALE: 1"=10' PROJECT NO: 315-052.0003

APPENDIX I
PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
2704 Cherokee Farm Way, Suite 101
Knoxville, Tennessee 37920
P: (865) 977-9997 F: (865) 977-9919

PAGE 1 OF 6
DATE: 08/30/2022
REPORT NO: 001

PROJECT INFORMATION

PROJECT NAME: Elliott Ditch Reaches 4-6 Geomorphic Assessment Report

LOCATION: Elliott Ditch, Lafayette, Indiana

CEC PROJECT: 315-052

PHOTOGRAPHS



Photo 1: Depositional terrace in Reach 4 located along Elliott Ditch.

PHOTOGRAPHIC LOG
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

PAGE 2 OF 6
DATE: 08/30/2022
REPORT NO: 001

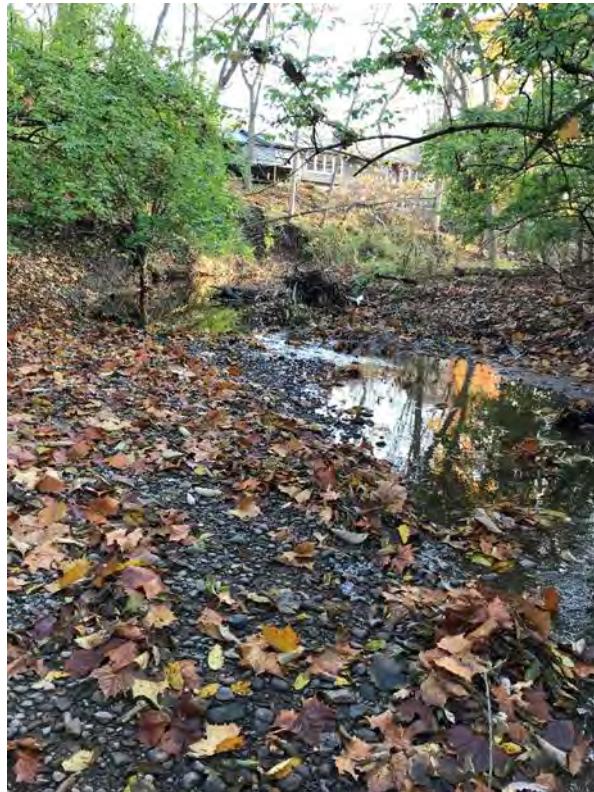


Photo 2: Residential area located near the Reach 4/Reach 5 boundary (view facing upstream).



Photo 3: Utility crossing located in Reach 4 (view facing upstream).

PHOTOGRAPHIC LOG
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

PAGE 3 OF 6
DATE: 08/30/2022
REPORT NO: 001



Photo 4: Geomorphology assessment activities being performed in Reach 4.



Photo 5: Soil core recovery to assess depositional feature.

PHOTOGRAPHIC LOG
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

PAGE 4 OF 6
DATE: 08/30/2022
REPORT NO: 001



Photo 6: Stream bank erosion along Elliott Ditch in Reach 5.

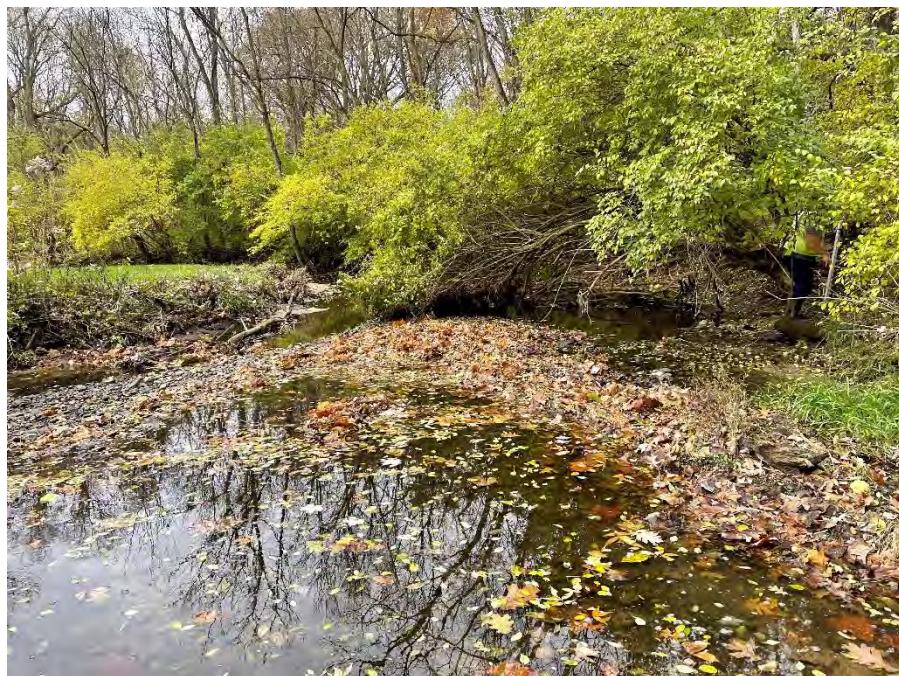


Photo 7: Center channel facing downstream in Reach 5. Residential development located immediately to the south (left side of photograph).

PHOTOGRAPHIC LOG
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

PAGE 5 OF 6
DATE: 08/30/2022
REPORT NO: 001



Photo 8: Rip-rap installation along right-descending bank of Elliott Ditch in Reach 5.



Photo 9: Footbridge crossing Elliott Ditch in Reach 5 near the AOK Campground property,

PHOTOGRAPHIC LOG
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

PAGE 6 OF 6
DATE: 08/30/2022
REPORT NO: 001



Photo 10: Depositional terrace located near Reach 6 along Elliott Ditch (view facing downstream).

APPENDIX II
SEDIMENT FIELD DATA SHEETS

12/15/2021

Civil & Environmental Consultants, Inc.
Mr. Garrett Welch
2704 Cherokee Farm Way²Suite 101
Suite 101
Knoxville, TN, 37920

Ref: Analytical Testing
Revised Lab Report Number: 21-326-9027 (Original Report 21-326-0027)
Client Project Description: Elliott Ditch - R4-R6 Geomorphology Eval
Lafayette
Project No.:315-052

Dear Mr. Garrett Welch:
Waypoint Analytical, LLC. received sample(s) on 11/20/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Andrea R Brownfield
Project manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.



Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2022
Arkansas	State Program	88-0650	02/07/2022
California	State Program	2904	06/30/2022
Florida	State Program - NELAP	E871157	06/30/2022
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2022
Illinois	State Program - NELAP	200078	10/10/2022
Kentucky	State Program	80215	06/30/2022
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2022
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2022
South Carolina	State Program	84002	06/30/2022
South Carolina	State Program	84002	06/30/2022
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2022
Virginia	State Program - NELAP	460181	09/14/2022



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Sample Summary Table

Report Number: 21-326-9027

Client Project Description: Elliott Ditch - R4-R6 Geomorphology Eval
Lafayette
Project No.:315-052

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
86619	ED-01.62-SL01-0-0.5	Solids	11/16/2021 13:16	11/20/2021
86620	ED-01.62-SL02-0-0.5	Solids	11/16/2021 13:10	11/20/2021
86621	ED-01.62-SL03-0-0.5	Solids	11/16/2021 12:58	11/20/2021
86622	ED-01.69-SL01-0-0.5	Solids	11/16/2021 12:22	11/20/2021
86623	ED-01.69-SL02-0-0.5	Solids	11/16/2021 12:28	11/20/2021
86624	ED-01.74-SL01-0-0.5	Solids	11/16/2021 11:20	11/20/2021
86625	ED-SL-DUP01-0-0.5	Solids	11/16/2021	11/20/2021
86626	ED-01.74-SL02-0-0.5	Solids	11/16/2021 11:25	11/20/2021
86627	ED-01.89-SL01-0-0.5	Solids	11/16/2021 10:35	11/20/2021
86628	ED-01.89-SL02-0-0.5	Solids	11/16/2021 10:40	11/20/2021
86629	ED-01.89-SL03-0-0.5	Solids	11/16/2021 10:44	11/20/2021
86630	ED-01.96-SL01-0-0.5	Solids	11/16/2021 10:02	11/20/2021
86631	ED-01.96-SL02-0-0.5	Solids	11/16/2021 10:08	11/20/2021
86632	ED-01.96-SL03-0-0.5	Solids	11/16/2021 09:42	11/20/2021
86633	ED-02.00-SL01-0-0.5	Solids	11/16/2021 09:05	11/20/2021
86634	ED-02.00-SL02-0-0.5	Solids	11/16/2021 09:11	11/20/2021
86635	ED-02.00-SL03-0-0.5	Solids	11/16/2021 09:18	11/20/2021
86636	ED-02.00-SL04-0-0.5	Solids	11/16/2021 09:24	11/20/2021
86637	ED-02.23-SL01-0-0.5	Solids	11/16/2021 15:20	11/20/2021
86638	ED-02.23-SL02-0-0.5	Solids	11/16/2021 15:13	11/20/2021
86639	ED-02.23-SL03-0-0.5	Solids	11/16/2021 15:30	11/20/2021
86640	ED-02.23-SL04-0-0.5	Solids	11/16/2021 15:40	11/20/2021
86641	ED-02.29-SL01-0-0.5	Solids	11/15/2021 16:31	11/20/2021
86642	ED-02.29-SL02-0-0.5	Solids	11/15/2021 16:23	11/20/2021
86643	ED-02.29-SL03-0-0.5	Solids	11/15/2021 16:10	11/20/2021
86644	ED-02.29-SL04-0-0.5	Solids	11/15/2021 16:15	11/20/2021



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Sample Summary Table

Report Number: 21-326-9027

Client Project Description: Elliott Ditch - R4-R6 Geomorphology Eval
Lafayette
Project No.:315-052

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
86645	ED-02.15-SL01-0-0.5	Solids	11/16/2021 15:55	11/20/2021
86646	ED-SL-DUP02-0-0.5	Solids	11/16/2021	11/20/2021
86647	ED-02.15-SL02-0-0.5	Solids	11/16/2021 16:05	11/20/2021
86648	ED-02.15-SL03-0-0.5	Solids	11/16/2021 16:11	11/20/2021
86649	ED-02.45-SL01-0-0.5	Solids	11/17/2021 09:23	11/20/2021
86650	ED-02.45-SL02-0-0.5	Solids	11/17/2021 09:28	11/20/2021
86651	ED-02.45-SL03-0-0.5	Solids	11/17/2021 09:32	11/20/2021
86652	ED-02.45-SL04-0-0.5	Solids	11/17/2021 09:36	11/20/2021
86653	ED-02.45-SL05-0-0.5	Solids	11/17/2021 09:41	11/20/2021
86654	ED-02.54-SL01-0-0.5	Solids	11/17/2021 10:08	11/20/2021
86655	ED-02.54-SL02-0-0.5	Solids	11/17/2021 10:14	11/20/2021
86656	ED-02.54-SL03-0-0.5	Solids	11/17/2021 10:20	11/20/2021
86657	ED-02.61-SL01-0-0.5	Solids	11/17/2021 10:40	11/20/2021
86658	ED-02.61-SL02-0-0.5	Solids	11/17/2021 10:48	11/20/2021
86659	ED-02.61-SL03-0-0.5	Solids	11/17/2021 10:54	11/20/2021
86660	ED-02.64-SL01-0-0.5	Solids	11/17/2021 11:21	11/20/2021
86661	ED-02.64-SL02-0-0.5	Solids	11/17/2021 11:14	11/20/2021
86662	ED-02.64-SL03-0-0.5	Solids	11/17/2021 11:05	11/20/2021
86663	ED-02.74-SL01-0-0.5	Solids	11/17/2021 11:36	11/20/2021
86664	ED-02.80-SL01-0-0.5	Solids	11/17/2021 14:04	11/20/2021
86665	ED-02.80-SL02-0-0.5	Solids	11/17/2021 13:58	11/20/2021
86666	ED-02.80-SL03-0-0.5	Solids	11/17/2021 13:50	11/20/2021
86667	ED-02.80-SL04-0-0.5	Solids	11/17/2021 13:27	11/20/2021
86668	ED-02.80-SL05-0-0.5	Solids	11/17/2021 13:36	11/20/2021
86669	ED-02.92-SL01-0-0.5	Solids	11/17/2021 15:04	11/20/2021
86670	ED-02.92-SL02-0-0.5	Solids	11/17/2021 14:55	11/20/2021



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Sample Summary Table

Report Number: 21-326-9027

Client Project Description: Elliott Ditch - R4-R6 Geomorphology Eval
Lafayette
Project No.:315-052

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
86671	ED-02.92-SL03-0-0.5	Solids	11/17/2021 14:38	11/20/2021
86672	ED-SL-DUP03-0-0.5	Solids	11/17/2021	11/20/2021
86673	ED-02.92-SL04-0-0.5	Solids	11/17/2021 14:30	11/20/2021
86674	ED-02.92-SL05-0-0.5	Solids	11/17/2021 14:22	11/20/2021
86675	ED-03.02-SL01-0-0.5	Solids	11/17/2021 15:58	11/20/2021
86676	ED-03.02-SL02-0-0.5	Solids	11/17/2021 15:51	11/20/2021
86677	ED-03.02-SL03-0-0.5	Solids	11/17/2021 15:44	11/20/2021
86678	ED-03.02-SL04-0-0.5	Solids	11/17/2021 15:35	11/20/2021
86679	ED-03.11-SL01-0-0.5	Solids	11/18/2021 09:06	11/20/2021
86680	ED-03.11-SL02-0-0.5	Solids	11/18/2021 08:52	11/20/2021
86681	ED-03.11-SL03-0-0.5	Solids	11/18/2021 09:12	11/20/2021
86682	ED-03.11-SL04-0-0.5	Solids	11/18/2021 09:20	11/20/2021
86683	ED-03.34-SL01-0-0.5	Solids	11/18/2021 09:45	11/20/2021
86684	ED-03.34-SL02-0-0.5	Solids	11/18/2021 09:52	11/20/2021
86685	ED-SL-DUP04-0-0.5	Solids	11/18/2021	11/20/2021
86686	ED-03.34-SL03-0-0.5	Solids	11/18/2021 10:00	11/20/2021
86687	ED-EB01	Aqueous	11/16/2021 16:45	11/20/2021
86688	ED-EB02	Aqueous	11/17/2021 16:06	11/20/2021
86689	ED-EB03	Aqueous	11/19/2021 15:15	11/20/2021

Client: Civil & Environmental Consultants, Inc.
Project: Elliott Ditch - R4-R6 Geomorphology Eval
Lab Report Number: 21-326-9027
Date: 12/15/2021

CASE NARRATIVE

Polychlorinated Biphenyls (PCB's) Method 8082A

Sample 86619 (ED-01.86-SL01-0-0.5)

Analyte: Aroclor 1248

QC Batch No: L586960/L586513

Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 86621 (ED-01.86-SL03-0-0.5)

Analyte: Tetrachloro-m-xylene

QC Batch No: L586960/L586513

Surrogate recovery(s) was flagged as outside QC limits due to high levels of target and/or non-target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 86639 (ED-02.54-SL03-0-0.5)

Analyte: Aroclor 1248

QC Batch No: L587434/L587069

Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 86646 (ED-SL-DUP02-0-0.5)

Analyte: Aroclor 1248

QC Batch No: L587434/L587069

Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 86672 (ED-SL-DUP03-0-0.5)

Analyte: Aroclor 1248

QC Batch No: L587434/L587069

Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 86678 (ED-03.02-SL04-0-0.5)

Analyte: Decachlorobiphenyl

QC Batch No: L587649/L587279

Surrogate recovery(s) was flagged as outside QC limits due to high levels of target and/or non-target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Analyte: Tetrachloro-m-xylene

QC Batch No: L587649/L587279

Surrogate recovery(s) was flagged as outside QC limits due to high levels of target and/or non-target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.



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Mr. Garrett Welch
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Suite 101
Knoxville , TN 37920

Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86619**

Matrix: **Solids**

Sample ID : **ED-01.62-SL01-0-0.5**

Sampled: **11/16/2021 13:16**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.7	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86619**

Matrix: **Solids**

Sample ID : **ED-01.62-SL01-0-0.5**

Sampled: **11/16/2021 13:16**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0083		1	11/29/21 12:59	VIC	L586960
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0083		1	11/29/21 12:59	VIC	L586960
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0083		1	11/29/21 12:59	VIC	L586960
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0083		1	11/29/21 12:59	VIC	L586960
Aroclor 1248	0.0171 Q		mg/Kg - dry	0.0041	0.0083		1	11/29/21 12:59	VIC	L586960
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0083		1	11/29/21 12:59	VIC	L586960
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0083		1	11/29/21 12:59	VIC	L586960
Surrogate: Decachlorobiphenyl	93.3				Limits: 25-125%		1	11/29/21 12:59	VIC	L586960
Surrogate: Tetrachloro-m-xylene	82.1				Limits: 25-125%		1	11/29/21 12:59	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86620**

Matrix: **Solids**

Sample ID : **ED-01.62-SL02-0-0.5**

Sampled: **11/16/2021 13:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.0	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86620**

Matrix: **Solids**

Sample ID : **ED-01.62-SL02-0-0.5**

Sampled: **11/16/2021 13:10**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0412		mg/Kg - dry	0.0412	0.0823	10	11/29/21 05:35	VIC	L586960	
Aroclor 1221	<0.0412		mg/Kg - dry	0.0412	0.0823	10	11/29/21 05:35	VIC	L586960	
Aroclor 1232	<0.0412		mg/Kg - dry	0.0412	0.0823	10	11/29/21 05:35	VIC	L586960	
Aroclor 1242	<0.0412		mg/Kg - dry	0.0412	0.0823	10	11/29/21 05:35	VIC	L586960	
Aroclor 1248	0.420		mg/Kg - dry	0.0412	0.0823	10	11/29/21 05:35	VIC	L586960	
Aroclor 1254	<0.0412		mg/Kg - dry	0.0412	0.0823	10	11/29/21 05:35	VIC	L586960	
Aroclor 1260	<0.0412		mg/Kg - dry	0.0412	0.0823	10	11/29/21 05:35	VIC	L586960	
Surrogate: Decachlorobiphenyl		116			Limits: 25-125%		10	11/29/21 05:35	VIC	L586960
Surrogate: Tetrachloro-m-xylene		108			Limits: 25-125%		10	11/29/21 05:35	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project

Elliott Ditch - R4-R6 Geomorphology Eval

Original Report Date : 12/03/2021

Information : Lafayette

Project No.:315-052

Revised Report Date: 12/15/2021

Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86621**

Matrix: **Solids**

Sample ID : **ED-01.62-SL03-0-0.5**

Sampled: **11/16/2021 12:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	17.4	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86621**

Matrix: **Solids**

Sample ID : **ED-01.62-SL03-0-0.5**

Sampled: **11/16/2021 12:58**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0404		mg/Kg - dry	0.0404	0.0807	10	11/29/21 05:57	VIC	L586960	
Aroclor 1221	<0.0404		mg/Kg - dry	0.0404	0.0807	10	11/29/21 05:57	VIC	L586960	
Aroclor 1232	<0.0404		mg/Kg - dry	0.0404	0.0807	10	11/29/21 05:57	VIC	L586960	
Aroclor 1242	<0.0404		mg/Kg - dry	0.0404	0.0807	10	11/29/21 05:57	VIC	L586960	
Aroclor 1248	0.540		mg/Kg - dry	0.0404	0.0807	10	11/29/21 05:57	VIC	L586960	
Aroclor 1254	<0.0404		mg/Kg - dry	0.0404	0.0807	10	11/29/21 05:57	VIC	L586960	
Aroclor 1260	<0.0404		mg/Kg - dry	0.0404	0.0807	10	11/29/21 05:57	VIC	L586960	
Surrogate: Decachlorobiphenyl	124				Limits: 25-125%	10	11/29/21 05:57	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	155 *				Limits: 25-125%	10	11/29/21 05:57	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86622**

Matrix: **Solids**

Sample ID : **ED-01.69-SL01-0-0.5**

Sampled: **11/16/2021 12:22**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	16.8	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86622**

Matrix: **Solids**

Sample ID : **ED-01.69-SL01-0-0.5**

Sampled: **11/16/2021 12:22**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0401		mg/Kg - dry	0.0401	0.0801	10	11/29/21 06:19	VIC	L586960	
Aroclor 1221	<0.0401		mg/Kg - dry	0.0401	0.0801	10	11/29/21 06:19	VIC	L586960	
Aroclor 1232	<0.0401		mg/Kg - dry	0.0401	0.0801	10	11/29/21 06:19	VIC	L586960	
Aroclor 1242	<0.0401		mg/Kg - dry	0.0401	0.0801	10	11/29/21 06:19	VIC	L586960	
Aroclor 1248	19.8		mg/Kg - dry	0.401	0.802	100	11/29/21 13:21	VIC	L586960	
Aroclor 1254	<0.0401		mg/Kg - dry	0.0401	0.0801	10	11/29/21 06:19	VIC	L586960	
Aroclor 1260	<0.0401		mg/Kg - dry	0.0401	0.0801	10	11/29/21 06:19	VIC	L586960	
Surrogate: Decachlorobiphenyl		125			Limits: 25-125%		10	11/29/21 06:19	VIC	L586960
Surrogate: Tetrachloro-m-xylene		107			Limits: 25-125%		10	11/29/21 06:19	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86623**

Matrix: **Solids**

Sample ID : **ED-01.69-SL02-0-0.5**

Sampled: **11/16/2021 12:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.0	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86623**

Matrix: **Solids**

Sample ID : **ED-01.69-SL02-0-0.5**

Sampled: **11/16/2021 12:28**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0407		mg/Kg - dry	0.0407	0.0813	10	11/29/21 06:41	VIC	L586960	
Aroclor 1221	<0.0407		mg/Kg - dry	0.0407	0.0813	10	11/29/21 06:41	VIC	L586960	
Aroclor 1232	<0.0407		mg/Kg - dry	0.0407	0.0813	10	11/29/21 06:41	VIC	L586960	
Aroclor 1242	<0.0407		mg/Kg - dry	0.0407	0.0813	10	11/29/21 06:41	VIC	L586960	
Aroclor 1248	11.7		mg/Kg - dry	0.407	0.813	100	11/29/21 13:43	VIC	L586960	
Aroclor 1254	<0.0407		mg/Kg - dry	0.0407	0.0813	10	11/29/21 06:41	VIC	L586960	
Aroclor 1260	<0.0407		mg/Kg - dry	0.0407	0.0813	10	11/29/21 06:41	VIC	L586960	
Surrogate: Decachlorobiphenyl	119				Limits: 25-125%	10	11/29/21 06:41	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	103				Limits: 25-125%	10	11/29/21 06:41	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86624**

Matrix: **Solids**

Sample ID : **ED-01.74-SL01-0-0.5**

Sampled: **11/16/2021 11:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.6	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86624**

Matrix: **Solids**

Sample ID : **ED-01.74-SL01-0-0.5**

Sampled: **11/16/2021 11:20**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0410		mg/Kg - dry	0.0410	0.0819	10	11/29/21 07:03	VIC	L586960	
Aroclor 1221	<0.0410		mg/Kg - dry	0.0410	0.0819	10	11/29/21 07:03	VIC	L586960	
Aroclor 1232	<0.0410		mg/Kg - dry	0.0410	0.0819	10	11/29/21 07:03	VIC	L586960	
Aroclor 1242	<0.0410		mg/Kg - dry	0.0410	0.0819	10	11/29/21 07:03	VIC	L586960	
Aroclor 1248	11.4		mg/Kg - dry	0.410	0.819	100	11/29/21 14:05	VIC	L586960	
Aroclor 1254	<0.0410		mg/Kg - dry	0.0410	0.0819	10	11/29/21 07:03	VIC	L586960	
Aroclor 1260	<0.0410		mg/Kg - dry	0.0410	0.0819	10	11/29/21 07:03	VIC	L586960	
Surrogate: Decachlorobiphenyl		122			Limits: 25-125%		10	11/29/21 07:03	VIC	L586960
Surrogate: Tetrachloro-m-xylene		125			Limits: 25-125%		10	11/29/21 07:03	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86625**

Matrix: **Solids**

Sample ID : **ED-SL-DUP01-0-0.5**

Sampled: **11/16/2021 0:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.4	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86625**

Matrix: **Solids**

Sample ID : **ED-SL-DUP01-0-0.5**

Sampled: **11/16/2021 0:00**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0419		mg/Kg - dry	0.0419	0.0837	10	11/29/21 07:25	VIC	L586960	
Aroclor 1221	<0.0419		mg/Kg - dry	0.0419	0.0837	10	11/29/21 07:25	VIC	L586960	
Aroclor 1232	<0.0419		mg/Kg - dry	0.0419	0.0837	10	11/29/21 07:25	VIC	L586960	
Aroclor 1242	<0.0419		mg/Kg - dry	0.0419	0.0837	10	11/29/21 07:25	VIC	L586960	
Aroclor 1248	9.62		mg/Kg - dry	0.420	0.838	100	11/29/21 14:27	VIC	L586960	
Aroclor 1254	<0.0419		mg/Kg - dry	0.0419	0.0837	10	11/29/21 07:25	VIC	L586960	
Aroclor 1260	<0.0419		mg/Kg - dry	0.0419	0.0837	10	11/29/21 07:25	VIC	L586960	
Surrogate: Decachlorobiphenyl		116			Limits: 25-125%		10	11/29/21 07:25	VIC	L586960
Surrogate: Tetrachloro-m-xylene		103			Limits: 25-125%		10	11/29/21 07:25	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86626**

Matrix: **Solids**

Sample ID : **ED-01.74-SL02-0-0.5**

Sampled: **11/16/2021 11:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.4	%			1	11/24/21 14:48	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86626**

Matrix: **Solids**

Sample ID : **ED-01.74-SL02-0-0.5**

Sampled: **11/16/2021 11:25**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0414		mg/Kg - dry	0.0414	0.0827	10	11/29/21 07:47	VIC	L586960	
Aroclor 1221	<0.0414		mg/Kg - dry	0.0414	0.0827	10	11/29/21 07:47	VIC	L586960	
Aroclor 1232	<0.0414		mg/Kg - dry	0.0414	0.0827	10	11/29/21 07:47	VIC	L586960	
Aroclor 1242	<0.0414		mg/Kg - dry	0.0414	0.0827	10	11/29/21 07:47	VIC	L586960	
Aroclor 1248	<0.0414		mg/Kg - dry	0.0414	0.0827	10	11/29/21 07:47	VIC	L586960	
Aroclor 1254	<0.0414		mg/Kg - dry	0.0414	0.0827	10	11/29/21 07:47	VIC	L586960	
Aroclor 1260	<0.0414		mg/Kg - dry	0.0414	0.0827	10	11/29/21 07:47	VIC	L586960	
Surrogate: Decachlorobiphenyl	117			Limits: 25-125%		10	11/29/21 07:47	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	110			Limits: 25-125%		10	11/29/21 07:47	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86627**

Matrix: **Solids**

Sample ID : **ED-01.89-SL01-0-0.5**

Sampled: **11/16/2021 10:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	14.3	%			1	11/24/21 15:00	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86627**

Matrix: **Solids**

Sample ID : **ED-01.89-SL01-0-0.5**

Sampled: **11/16/2021 10:35**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0038		mg/Kg - dry	0.0038	0.0077	1	11/29/21 14:49	VIC	L586960	
Aroclor 1221	<0.0038		mg/Kg - dry	0.0038	0.0077	1	11/29/21 14:49	VIC	L586960	
Aroclor 1232	<0.0038		mg/Kg - dry	0.0038	0.0077	1	11/29/21 14:49	VIC	L586960	
Aroclor 1242	<0.0038		mg/Kg - dry	0.0038	0.0077	1	11/29/21 14:49	VIC	L586960	
Aroclor 1248	0.0096		mg/Kg - dry	0.0038	0.0077	1	11/29/21 14:49	VIC	L586960	
Aroclor 1254	<0.0038		mg/Kg - dry	0.0038	0.0077	1	11/29/21 14:49	VIC	L586960	
Aroclor 1260	<0.0038		mg/Kg - dry	0.0038	0.0077	1	11/29/21 14:49	VIC	L586960	
Surrogate: Decachlorobiphenyl	79.7			Limits: 25-125%		1	11/29/21 14:49	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	76.1			Limits: 25-125%		1	11/29/21 14:49	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86628**

Matrix: **Solids**

Sample ID : **ED-01.89-SL02-0-0.5**

Sampled: **11/16/2021 10:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.3	%			1	11/24/21 15:00	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86628**

Matrix: **Solids**

Sample ID : **ED-01.89-SL02-0-0.5**

Sampled: **11/16/2021 10:40**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0394		mg/Kg - dry	0.0394	0.0787	10	11/29/21 08:31	VIC	L586960	
Aroclor 1221	<0.0394		mg/Kg - dry	0.0394	0.0787	10	11/29/21 08:31	VIC	L586960	
Aroclor 1232	<0.0394		mg/Kg - dry	0.0394	0.0787	10	11/29/21 08:31	VIC	L586960	
Aroclor 1242	<0.0394		mg/Kg - dry	0.0394	0.0787	10	11/29/21 08:31	VIC	L586960	
Aroclor 1248	1.81		mg/Kg - dry	0.0394	0.0787	10	11/29/21 08:31	VIC	L586960	
Aroclor 1254	<0.0394		mg/Kg - dry	0.0394	0.0787	10	11/29/21 08:31	VIC	L586960	
Aroclor 1260	<0.0394		mg/Kg - dry	0.0394	0.0787	10	11/29/21 08:31	VIC	L586960	
Surrogate: Decachlorobiphenyl	105			Limits: 25-125%		10	11/29/21 08:31	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	116			Limits: 25-125%		10	11/29/21 08:31	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86629**

Matrix: **Solids**

Sample ID : **ED-01.89-SL03-0-0.5**

Sampled: **11/16/2021 10:44**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.8	%			1	11/24/21 15:00	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86629**

Matrix: **Solids**

Sample ID : **ED-01.89-SL03-0-0.5**

Sampled: **11/16/2021 10:44**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0411		mg/Kg - dry	0.0411	0.0821	10	11/29/21 08:54	VIC	L586960	
Aroclor 1221	<0.0411		mg/Kg - dry	0.0411	0.0821	10	11/29/21 08:54	VIC	L586960	
Aroclor 1232	<0.0411		mg/Kg - dry	0.0411	0.0821	10	11/29/21 08:54	VIC	L586960	
Aroclor 1242	<0.0411		mg/Kg - dry	0.0411	0.0821	10	11/29/21 08:54	VIC	L586960	
Aroclor 1248	5.84		mg/Kg - dry	0.411	0.821	100	11/29/21 15:11	VIC	L586960	
Aroclor 1254	<0.0411		mg/Kg - dry	0.0411	0.0821	10	11/29/21 08:54	VIC	L586960	
Aroclor 1260	<0.0411		mg/Kg - dry	0.0411	0.0821	10	11/29/21 08:54	VIC	L586960	
Surrogate: Decachlorobiphenyl		118			Limits: 25-125%		10	11/29/21 08:54	VIC	L586960
Surrogate: Tetrachloro-m-xylene		125			Limits: 25-125%		10	11/29/21 08:54	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86630**

Matrix: **Solids**

Sample ID : **ED-01.96-SL01-0-0.5**

Sampled: **11/16/2021 10:02**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	31.0	%			1	11/24/21 15:00	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86630**

Matrix: **Solids**

Sample ID : **ED-01.96-SL01-0-0.5**

Sampled: **11/16/2021 10:02**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0048		mg/Kg - dry	0.0048	0.0096		1	11/29/21 15:33	VIC	L586960
Aroclor 1221	<0.0048		mg/Kg - dry	0.0048	0.0096		1	11/29/21 15:33	VIC	L586960
Aroclor 1232	<0.0048		mg/Kg - dry	0.0048	0.0096		1	11/29/21 15:33	VIC	L586960
Aroclor 1242	<0.0048		mg/Kg - dry	0.0048	0.0096		1	11/29/21 15:33	VIC	L586960
Aroclor 1248	0.0147		mg/Kg - dry	0.0048	0.0096		1	11/29/21 15:33	VIC	L586960
Aroclor 1254	<0.0048		mg/Kg - dry	0.0048	0.0096		1	11/29/21 15:33	VIC	L586960
Aroclor 1260	<0.0048		mg/Kg - dry	0.0048	0.0096		1	11/29/21 15:33	VIC	L586960
Surrogate: Decachlorobiphenyl	85.3				Limits: 25-125%		1	11/29/21 15:33	VIC	L586960
Surrogate: Tetrachloro-m-xylene	74.6				Limits: 25-125%		1	11/29/21 15:33	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86631**

Matrix: **Solids**

Sample ID : **ED-01.96-SL02-0-0.5**

Sampled: **11/16/2021 10:08**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	12.0	%			1	11/24/21 15:00	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86631**

Matrix: **Solids**

Sample ID : **ED-01.96-SL02-0-0.5**

Sampled: **11/16/2021 10:08**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0379		mg/Kg - dry	0.0379	0.0757	10	11/29/21 09:38	VIC	L586960	
Aroclor 1221	<0.0379		mg/Kg - dry	0.0379	0.0757	10	11/29/21 09:38	VIC	L586960	
Aroclor 1232	<0.0379		mg/Kg - dry	0.0379	0.0757	10	11/29/21 09:38	VIC	L586960	
Aroclor 1242	<0.0379		mg/Kg - dry	0.0379	0.0757	10	11/29/21 09:38	VIC	L586960	
Aroclor 1248	15.8		mg/Kg - dry	0.380	0.758	100	11/29/21 15:55	VIC	L586960	
Aroclor 1254	<0.0379		mg/Kg - dry	0.0379	0.0757	10	11/29/21 09:38	VIC	L586960	
Aroclor 1260	<0.0379		mg/Kg - dry	0.0379	0.0757	10	11/29/21 09:38	VIC	L586960	
Surrogate: Decachlorobiphenyl	123				Limits: 25-125%		10	11/29/21 09:38	VIC	L586960
Surrogate: Tetrachloro-m-xylene	109				Limits: 25-125%		10	11/29/21 09:38	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86632**

Matrix: **Solids**

Sample ID : **ED-01.96-SL03-0-0.5**

Sampled: **11/16/2021 9:42**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.8	%			1	11/24/21 15:00	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86632**

Matrix: **Solids**

Sample ID : **ED-01.96-SL03-0-0.5**

Sampled: **11/16/2021 9:42**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0082		1	11/29/21 16:17	VIC	L586960
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0082		1	11/29/21 16:17	VIC	L586960
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0082		1	11/29/21 16:17	VIC	L586960
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0082		1	11/29/21 16:17	VIC	L586960
Aroclor 1248	0.0173		mg/Kg - dry	0.0041	0.0082		1	11/29/21 16:17	VIC	L586960
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0082		1	11/29/21 16:17	VIC	L586960
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0082		1	11/29/21 16:17	VIC	L586960
Surrogate: Decachlorobiphenyl	91.0				Limits: 25-125%		1	11/29/21 16:17	VIC	L586960
Surrogate: Tetrachloro-m-xylene	85.9				Limits: 25-125%		1	11/29/21 16:17	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86633**

Matrix: **Solids**

Sample ID : **ED-02.00-SL01-0-0.5**

Sampled: **11/16/2021 9:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	26.6	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86633**

Matrix: **Solids**

Sample ID : **ED-02.00-SL01-0-0.5**

Sampled: **11/16/2021 9:05**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0455		mg/Kg - dry	0.0455	0.0908	10	11/29/21 10:22	VIC	L586960	
Aroclor 1221	<0.0455		mg/Kg - dry	0.0455	0.0908	10	11/29/21 10:22	VIC	L586960	
Aroclor 1232	<0.0455		mg/Kg - dry	0.0455	0.0908	10	11/29/21 10:22	VIC	L586960	
Aroclor 1242	<0.0455		mg/Kg - dry	0.0455	0.0908	10	11/29/21 10:22	VIC	L586960	
Aroclor 1248	2.85		mg/Kg - dry	0.0455	0.0908	10	11/29/21 10:22	VIC	L586960	
Aroclor 1254	<0.0455		mg/Kg - dry	0.0455	0.0908	10	11/29/21 10:22	VIC	L586960	
Aroclor 1260	<0.0455		mg/Kg - dry	0.0455	0.0908	10	11/29/21 10:22	VIC	L586960	
Surrogate: Decachlorobiphenyl	123			Limits: 25-125%		10	11/29/21 10:22	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	109			Limits: 25-125%		10	11/29/21 10:22	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86634**

Matrix: **Solids**

Sample ID : **ED-02.00-SL02-0-0.5**

Sampled: **11/16/2021 9:11**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.8	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86634**

Matrix: **Solids**

Sample ID : **ED-02.00-SL02-0-0.5**

Sampled: **11/16/2021 9:11**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0427		mg/Kg - dry	0.0427	0.0852	10	11/29/21 10:44	VIC	L586960	
Aroclor 1221	<0.0427		mg/Kg - dry	0.0427	0.0852	10	11/29/21 10:44	VIC	L586960	
Aroclor 1232	<0.0427		mg/Kg - dry	0.0427	0.0852	10	11/29/21 10:44	VIC	L586960	
Aroclor 1242	<0.0427		mg/Kg - dry	0.0427	0.0852	10	11/29/21 10:44	VIC	L586960	
Aroclor 1248	1.34		mg/Kg - dry	0.0427	0.0852	10	11/29/21 10:44	VIC	L586960	
Aroclor 1254	<0.0427		mg/Kg - dry	0.0427	0.0852	10	11/29/21 10:44	VIC	L586960	
Aroclor 1260	<0.0427		mg/Kg - dry	0.0427	0.0852	10	11/29/21 10:44	VIC	L586960	
Surrogate: Decachlorobiphenyl	117				Limits: 25-125%	10	11/29/21 10:44	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	107				Limits: 25-125%	10	11/29/21 10:44	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86635**

Matrix: **Solids**

Sample ID : **ED-02.00-SL03-0-0.5**

Sampled: **11/16/2021 9:18**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.5	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86635**

Matrix: **Solids**

Sample ID : **ED-02.00-SL03-0-0.5**

Sampled: **11/16/2021 9:18**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0395		mg/Kg - dry	0.0395	0.0789	10	11/29/21 11:30	VIC	L586960	
Aroclor 1221	<0.0395		mg/Kg - dry	0.0395	0.0789	10	11/29/21 11:30	VIC	L586960	
Aroclor 1232	<0.0395		mg/Kg - dry	0.0395	0.0789	10	11/29/21 11:30	VIC	L586960	
Aroclor 1242	<0.0395		mg/Kg - dry	0.0395	0.0789	10	11/29/21 11:30	VIC	L586960	
Aroclor 1248	2.73		mg/Kg - dry	0.0788	0.157	20	11/29/21 16:39	VIC	L586960	
Aroclor 1254	<0.0395		mg/Kg - dry	0.0395	0.0789	10	11/29/21 11:30	VIC	L586960	
Aroclor 1260	<0.0395		mg/Kg - dry	0.0395	0.0789	10	11/29/21 11:30	VIC	L586960	
Surrogate: Decachlorobiphenyl	55.3				Limits: 25-125%	10	11/29/21 11:30	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	108				Limits: 25-125%	10	11/29/21 11:30	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86636**

Matrix: **Solids**

Sample ID : **ED-02.00-SL04-0-0.5**

Sampled: **11/16/2021 9:24**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	22.8	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86636**

Matrix: **Solids**

Sample ID : **ED-02.00-SL04-0-0.5**

Sampled: **11/16/2021 9:24**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0432		mg/Kg - dry	0.0432	0.0863	10	11/29/21 11:52	VIC	L586960	
Aroclor 1221	<0.0432		mg/Kg - dry	0.0432	0.0863	10	11/29/21 11:52	VIC	L586960	
Aroclor 1232	<0.0432		mg/Kg - dry	0.0432	0.0863	10	11/29/21 11:52	VIC	L586960	
Aroclor 1242	<0.0432		mg/Kg - dry	0.0432	0.0863	10	11/29/21 11:52	VIC	L586960	
Aroclor 1248	3.13		mg/Kg - dry	0.0862	0.172	20	11/29/21 17:01	VIC	L586960	
Aroclor 1254	<0.0432		mg/Kg - dry	0.0432	0.0863	10	11/29/21 11:52	VIC	L586960	
Aroclor 1260	<0.0432		mg/Kg - dry	0.0432	0.0863	10	11/29/21 11:52	VIC	L586960	
Surrogate: Decachlorobiphenyl	80.4				Limits: 25-125%	10	11/29/21 11:52	VIC	L586960	
Surrogate: Tetrachloro-m-xylene	71.4				Limits: 25-125%	10	11/29/21 11:52	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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REPORT OF ANALYSIS

Lab No : **86637**

Matrix: **Solids**

Sample ID : **ED-02.23-SL01-0-0.5**

Sampled: **11/16/2021 15:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.7	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86637**

Matrix: **Solids**

Sample ID : **ED-02.23-SL01-0-0.5**

Sampled: **11/16/2021 15:20**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0426		mg/Kg - dry	0.0426	0.0851	10	11/29/21 12:14	VIC	L586960	
Aroclor 1221	<0.0426		mg/Kg - dry	0.0426	0.0851	10	11/29/21 12:14	VIC	L586960	
Aroclor 1232	<0.0426		mg/Kg - dry	0.0426	0.0851	10	11/29/21 12:14	VIC	L586960	
Aroclor 1242	<0.0426		mg/Kg - dry	0.0426	0.0851	10	11/29/21 12:14	VIC	L586960	
Aroclor 1248	5.91		mg/Kg - dry	0.213	0.427	50	11/29/21 17:23	VIC	L586960	
Aroclor 1254	<0.0426		mg/Kg - dry	0.0426	0.0851	10	11/29/21 12:14	VIC	L586960	
Aroclor 1260	<0.0426		mg/Kg - dry	0.0426	0.0851	10	11/29/21 12:14	VIC	L586960	
Surrogate: Decachlorobiphenyl		111		Limits: 25-125%		10	11/29/21 12:14	VIC	L586960	
Surrogate: Tetrachloro-m-xylene		111		Limits: 25-125%		10	11/29/21 12:14	VIC	L586960	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86638**

Matrix: **Solids**

Sample ID : **ED-02.23-SL02-0-0.5**

Sampled: **11/16/2021 15:13**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	16.1	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86638**

Matrix: **Solids**

Sample ID : **ED-02.23-SL02-0-0.5**

Sampled: **11/16/2021 15:13**

Analytical Method:	8082A	Prep Batch(es):	L586513	11/23/21 16:41						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0398		mg/Kg - dry	0.0398	0.0794	10	11/29/21 12:36	VIC	L586960	
Aroclor 1221	<0.0398		mg/Kg - dry	0.0398	0.0794	10	11/29/21 12:36	VIC	L586960	
Aroclor 1232	<0.0398		mg/Kg - dry	0.0398	0.0794	10	11/29/21 12:36	VIC	L586960	
Aroclor 1242	<0.0398		mg/Kg - dry	0.0398	0.0794	10	11/29/21 12:36	VIC	L586960	
Aroclor 1248	3.97		mg/Kg - dry	0.199	0.398	50	11/29/21 17:46	VIC	L586960	
Aroclor 1254	<0.0398		mg/Kg - dry	0.0398	0.0794	10	11/29/21 12:36	VIC	L586960	
Aroclor 1260	<0.0398		mg/Kg - dry	0.0398	0.0794	10	11/29/21 12:36	VIC	L586960	
Surrogate: Decachlorobiphenyl	92.5				Limits: 25-125%		10	11/29/21 12:36	VIC	L586960
Surrogate: Tetrachloro-m-xylene	85.8				Limits: 25-125%		10	11/29/21 12:36	VIC	L586960

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86639**

Matrix: **Solids**

Sample ID : **ED-02.23-SL03-0-0.5**

Sampled: **11/16/2021 15:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	22.0	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86639**

Matrix: **Solids**

Sample ID : **ED-02.23-SL03-0-0.5**

Sampled: **11/16/2021 15:30**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/01/21 10:46	VIC	L587434
Aroclor 1221	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/01/21 10:46	VIC	L587434
Aroclor 1232	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/01/21 10:46	VIC	L587434
Aroclor 1242	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/01/21 10:46	VIC	L587434
Aroclor 1248	0.0058 JQ		mg/Kg - dry	0.0042	0.0085		1	12/01/21 10:46	VIC	L587434
Aroclor 1254	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/01/21 10:46	VIC	L587434
Aroclor 1260	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/01/21 10:46	VIC	L587434
Surrogate: Decachlorobiphenyl	60.3				Limits: 25-125%		1	12/01/21 10:46	VIC	L587434
Surrogate: Tetrachloro-m-xylene	63.8				Limits: 25-125%		1	12/01/21 10:46	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86640**

Matrix: **Solids**

Sample ID : **ED-02.23-SL04-0-0.5**

Sampled: **11/16/2021 15:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.7	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86640**

Matrix: **Solids**

Sample ID : **ED-02.23-SL04-0-0.5**

Sampled: **11/16/2021 15:40**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0396		mg/Kg - dry	0.0396	0.0791	10	12/01/21 03:30	VIC	L587434	
Aroclor 1221	<0.0396		mg/Kg - dry	0.0396	0.0791	10	12/01/21 03:30	VIC	L587434	
Aroclor 1232	<0.0396		mg/Kg - dry	0.0396	0.0791	10	12/01/21 03:30	VIC	L587434	
Aroclor 1242	<0.0396		mg/Kg - dry	0.0396	0.0791	10	12/01/21 03:30	VIC	L587434	
Aroclor 1248	0.498		mg/Kg - dry	0.0396	0.0791	10	12/01/21 03:30	VIC	L587434	
Aroclor 1254	<0.0396		mg/Kg - dry	0.0396	0.0791	10	12/01/21 03:30	VIC	L587434	
Aroclor 1260	<0.0396		mg/Kg - dry	0.0396	0.0791	10	12/01/21 03:30	VIC	L587434	
Surrogate: Decachlorobiphenyl	83.9			Limits: 25-125%		10	12/01/21 03:30	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	72.4			Limits: 25-125%		10	12/01/21 03:30	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86641**

Matrix: **Solids**

Sample ID : **ED-02.29-SL01-0-0.5**

Sampled: **11/15/2021 16:31**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.9	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86641**

Matrix: **Solids**

Sample ID : **ED-02.29-SL01-0-0.5**

Sampled: **11/15/2021 16:31**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 11:05	VIC	L587434
Aroclor 1221	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 11:05	VIC	L587434
Aroclor 1232	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 11:05	VIC	L587434
Aroclor 1242	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 11:05	VIC	L587434
Aroclor 1248	0.0086		mg/Kg - dry	0.0042	0.0084		1	12/01/21 11:05	VIC	L587434
Aroclor 1254	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 11:05	VIC	L587434
Aroclor 1260	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 11:05	VIC	L587434
Surrogate: Decachlorobiphenyl	64.1				Limits: 25-125%		1	12/01/21 11:05	VIC	L587434
Surrogate: Tetrachloro-m-xylene	62.1				Limits: 25-125%		1	12/01/21 11:05	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86642**

Matrix: **Solids**

Sample ID : **ED-02.29-SL02-0-0.5**

Sampled: **11/15/2021 16:23**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	37.2	%			1	11/24/21 15:12	CJD	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86642**

Matrix: **Solids**

Sample ID : **ED-02.29-SL02-0-0.5**

Sampled: **11/15/2021 16:23**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0531		mg/Kg - dry	0.0531	0.106	10	12/01/21 04:09	VIC	L587434	
Aroclor 1221	<0.0531		mg/Kg - dry	0.0531	0.106	10	12/01/21 04:09	VIC	L587434	
Aroclor 1232	<0.0531		mg/Kg - dry	0.0531	0.106	10	12/01/21 04:09	VIC	L587434	
Aroclor 1242	<0.0531		mg/Kg - dry	0.0531	0.106	10	12/01/21 04:09	VIC	L587434	
Aroclor 1248	4.12		mg/Kg - dry	0.0531	0.106	10	12/01/21 04:09	VIC	L587434	
Aroclor 1254	<0.0531		mg/Kg - dry	0.0531	0.106	10	12/01/21 04:09	VIC	L587434	
Aroclor 1260	<0.0531		mg/Kg - dry	0.0531	0.106	10	12/01/21 04:09	VIC	L587434	
Surrogate: Decachlorobiphenyl	86.9			Limits: 25-125%		10	12/01/21 04:09	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	60.1			Limits: 25-125%		10	12/01/21 04:09	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86643**

Matrix: **Solids**

Sample ID : **ED-02.29-SL03-0-0.5**

Sampled: **11/15/2021 16:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.1	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86643**

Matrix: **Solids**

Sample ID : **ED-02.29-SL03-0-0.5**

Sampled: **11/15/2021 16:10**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 04:28	VIC	L587434	
Aroclor 1221	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 04:28	VIC	L587434	
Aroclor 1232	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 04:28	VIC	L587434	
Aroclor 1242	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 04:28	VIC	L587434	
Aroclor 1248	2.74		mg/Kg - dry	0.0784	0.157	20	12/01/21 11:44	VIC	L587434	
Aroclor 1254	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 04:28	VIC	L587434	
Aroclor 1260	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 04:28	VIC	L587434	
Surrogate: Decachlorobiphenyl	89.4				Limits: 25-125%	10	12/01/21 04:28	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	84.3				Limits: 25-125%	10	12/01/21 04:28	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86644**

Matrix: **Solids**

Sample ID : **ED-02.29-SL04-0-0.5**

Sampled: **11/15/2021 16:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	8.16	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86644**

Matrix: **Solids**

Sample ID : **ED-02.29-SL04-0-0.5**

Sampled: **11/15/2021 16:15**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0363		mg/Kg - dry	0.0363	0.0726	10	12/01/21 04:48	VIC	L587434	
Aroclor 1221	<0.0363		mg/Kg - dry	0.0363	0.0726	10	12/01/21 04:48	VIC	L587434	
Aroclor 1232	<0.0363		mg/Kg - dry	0.0363	0.0726	10	12/01/21 04:48	VIC	L587434	
Aroclor 1242	<0.0363		mg/Kg - dry	0.0363	0.0726	10	12/01/21 04:48	VIC	L587434	
Aroclor 1248	0.649		mg/Kg - dry	0.0363	0.0726	10	12/01/21 04:48	VIC	L587434	
Aroclor 1254	<0.0363		mg/Kg - dry	0.0363	0.0726	10	12/01/21 04:48	VIC	L587434	
Aroclor 1260	<0.0363		mg/Kg - dry	0.0363	0.0726	10	12/01/21 04:48	VIC	L587434	
Surrogate: Decachlorobiphenyl	92.4				Limits: 25-125%		10	12/01/21 04:48	VIC	L587434
Surrogate: Tetrachloro-m-xylene	79.7				Limits: 25-125%		10	12/01/21 04:48	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project

Elliott Ditch - R4-R6 Geomorphology Eval

Original Report Date : 12/03/2021

Revised Report Date: 12/15/2021

Received : 11/20/2021

Information : Lafayette

Project No.:315-052

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86645**

Matrix: **Solids**

Sample ID : **ED-02.15-SL01-0-0.5**

Sampled: **11/16/2021 15:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	16.8	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86645**

Matrix: **Solids**

Sample ID : **ED-02.15-SL01-0-0.5**

Sampled: **11/16/2021 15:55**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:04	VIC	L587434
Aroclor 1221	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:04	VIC	L587434
Aroclor 1232	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:04	VIC	L587434
Aroclor 1242	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:04	VIC	L587434
Aroclor 1248	0.0383		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:04	VIC	L587434
Aroclor 1254	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:04	VIC	L587434
Aroclor 1260	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:04	VIC	L587434
Surrogate: Decachlorobiphenyl	71.9				Limits: 25-125%		1	12/01/21 12:04	VIC	L587434
Surrogate: Tetrachloro-m-xylene	68.3				Limits: 25-125%		1	12/01/21 12:04	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86646**

Matrix: **Solids**

Sample ID : **ED-SL-DUP02-0-0.5**

Sampled: **11/16/2021 0:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	16.9	%				1 11/30/21 12:27 FMM		SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86646**

Matrix: **Solids**

Sample ID : **ED-SL-DUP02-0-0.5**

Sampled: **11/16/2021 0:00**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:23	VIC	L587434
Aroclor 1221	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:23	VIC	L587434
Aroclor 1232	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:23	VIC	L587434
Aroclor 1242	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:23	VIC	L587434
Aroclor 1248	0.0187 Q		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:23	VIC	L587434
Aroclor 1254	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:23	VIC	L587434
Aroclor 1260	<0.0040		mg/Kg - dry	0.0040	0.0080		1	12/01/21 12:23	VIC	L587434
Surrogate: Decachlorobiphenyl			70.7		Limits: 25-125%		1	12/01/21 12:23	VIC	L587434
Surrogate: Tetrachloro-m-xylene			68.7		Limits: 25-125%		1	12/01/21 12:23	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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REPORT OF ANALYSIS

Lab No : **86647**

Matrix: **Solids**

Sample ID : **ED-02.15-SL02-0-0.5**

Sampled: **11/16/2021 16:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.1	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Lab No : **86647**

Matrix: **Solids**

Sample ID : **ED-02.15-SL02-0-0.5**

Sampled: **11/16/2021 16:05**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 05:47	VIC	L587434	
Aroclor 1221	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 05:47	VIC	L587434	
Aroclor 1232	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 05:47	VIC	L587434	
Aroclor 1242	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 05:47	VIC	L587434	
Aroclor 1248	13.8		mg/Kg - dry	0.393	0.786	100	12/01/21 12:43	VIC	L587434	
Aroclor 1254	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 05:47	VIC	L587434	
Aroclor 1260	<0.0393		mg/Kg - dry	0.0393	0.0785	10	12/01/21 05:47	VIC	L587434	
Surrogate: Decachlorobiphenyl	82.2				Limits: 25-125%	10	12/01/21 05:47	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	70.1				Limits: 25-125%	10	12/01/21 05:47	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86648**

Matrix: **Solids**

Sample ID : **ED-02.15-SL03-0-0.5**

Sampled: **11/16/2021 16:11**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.9	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86648**

Matrix: **Solids**

Sample ID : **ED-02.15-SL03-0-0.5**

Sampled: **11/16/2021 16:11**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0411		mg/Kg - dry	0.0411	0.0822	10	12/01/21 06:06	VIC	L587434	
Aroclor 1221	<0.0411		mg/Kg - dry	0.0411	0.0822	10	12/01/21 06:06	VIC	L587434	
Aroclor 1232	<0.0411		mg/Kg - dry	0.0411	0.0822	10	12/01/21 06:06	VIC	L587434	
Aroclor 1242	<0.0411		mg/Kg - dry	0.0411	0.0822	10	12/01/21 06:06	VIC	L587434	
Aroclor 1248	0.977		mg/Kg - dry	0.0411	0.0822	10	12/01/21 06:06	VIC	L587434	
Aroclor 1254	<0.0411		mg/Kg - dry	0.0411	0.0822	10	12/01/21 06:06	VIC	L587434	
Aroclor 1260	<0.0411		mg/Kg - dry	0.0411	0.0822	10	12/01/21 06:06	VIC	L587434	
Surrogate: Decachlorobiphenyl	81.7			Limits: 25-125%		10	12/01/21 06:06	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	77.7			Limits: 25-125%		10	12/01/21 06:06	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86649**

Matrix: **Solids**

Sample ID : **ED-02.45-SL01-0-0.5**

Sampled: **11/17/2021 9:23**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.4	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86649**

Matrix: **Solids**

Sample ID : **ED-02.45-SL01-0-0.5**

Sampled: **11/17/2021 9:23**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 13:02	VIC	L587434	
Aroclor 1221	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 13:02	VIC	L587434	
Aroclor 1232	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 13:02	VIC	L587434	
Aroclor 1242	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 13:02	VIC	L587434	
Aroclor 1248	0.0122		mg/Kg - dry	0.0040	0.0081	1	12/01/21 13:02	VIC	L587434	
Aroclor 1254	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 13:02	VIC	L587434	
Aroclor 1260	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 13:02	VIC	L587434	
Surrogate: Decachlorobiphenyl	73.4			Limits: 25-125%		1	12/01/21 13:02	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	73.9			Limits: 25-125%		1	12/01/21 13:02	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86650**

Matrix: **Solids**

Sample ID : **ED-02.45-SL02-0-0.5**

Sampled: **11/17/2021 9:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.8	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86650**

Matrix: **Solids**

Sample ID : **ED-02.45-SL02-0-0.5**

Sampled: **11/17/2021 9:28**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0411		mg/Kg - dry	0.0411	0.0821	10	12/01/21 06:45	VIC	L587434	
Aroclor 1221	<0.0411		mg/Kg - dry	0.0411	0.0821	10	12/01/21 06:45	VIC	L587434	
Aroclor 1232	<0.0411		mg/Kg - dry	0.0411	0.0821	10	12/01/21 06:45	VIC	L587434	
Aroclor 1242	<0.0411		mg/Kg - dry	0.0411	0.0821	10	12/01/21 06:45	VIC	L587434	
Aroclor 1248	0.924		mg/Kg - dry	0.0411	0.0821	10	12/01/21 06:45	VIC	L587434	
Aroclor 1254	<0.0411		mg/Kg - dry	0.0411	0.0821	10	12/01/21 06:45	VIC	L587434	
Aroclor 1260	<0.0411		mg/Kg - dry	0.0411	0.0821	10	12/01/21 06:45	VIC	L587434	
Surrogate: Decachlorobiphenyl	84.4			Limits: 25-125%		10	12/01/21 06:45	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	78.9			Limits: 25-125%		10	12/01/21 06:45	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86651**

Matrix: **Solids**

Sample ID : **ED-02.45-SL03-0-0.5**

Sampled: **11/17/2021 9:32**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.3	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86651**

Matrix: **Solids**

Sample ID : **ED-02.45-SL03-0-0.5**

Sampled: **11/17/2021 9:32**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0419		mg/Kg - dry	0.0419	0.0836	10	12/01/21 07:05	VIC	L587434	
Aroclor 1221	<0.0419		mg/Kg - dry	0.0419	0.0836	10	12/01/21 07:05	VIC	L587434	
Aroclor 1232	<0.0419		mg/Kg - dry	0.0419	0.0836	10	12/01/21 07:05	VIC	L587434	
Aroclor 1242	<0.0419		mg/Kg - dry	0.0419	0.0836	10	12/01/21 07:05	VIC	L587434	
Aroclor 1248	6.02		mg/Kg - dry	0.419	0.837	100	12/01/21 13:22	VIC	L587434	
Aroclor 1254	<0.0419		mg/Kg - dry	0.0419	0.0836	10	12/01/21 07:05	VIC	L587434	
Aroclor 1260	<0.0419		mg/Kg - dry	0.0419	0.0836	10	12/01/21 07:05	VIC	L587434	
Surrogate: Decachlorobiphenyl	88.3				Limits: 25-125%	10	12/01/21 07:05	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	80.6				Limits: 25-125%	10	12/01/21 07:05	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86652**

Matrix: **Solids**

Sample ID : **ED-02.45-SL04-0-0.5**

Sampled: **11/17/2021 9:36**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	16.5	%			1	11/30/21 12:27	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86652**

Matrix: **Solids**

Sample ID : **ED-02.45-SL04-0-0.5**

Sampled: **11/17/2021 9:36**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0040		mg/Kg - dry	0.0040	0.0079		1	12/01/21 13:41	VIC	L587434
Aroclor 1221	<0.0040		mg/Kg - dry	0.0040	0.0079		1	12/01/21 13:41	VIC	L587434
Aroclor 1232	<0.0040		mg/Kg - dry	0.0040	0.0079		1	12/01/21 13:41	VIC	L587434
Aroclor 1242	<0.0040		mg/Kg - dry	0.0040	0.0079		1	12/01/21 13:41	VIC	L587434
Aroclor 1248	0.0249		mg/Kg - dry	0.0040	0.0079		1	12/01/21 13:41	VIC	L587434
Aroclor 1254	<0.0040		mg/Kg - dry	0.0040	0.0079		1	12/01/21 13:41	VIC	L587434
Aroclor 1260	<0.0040		mg/Kg - dry	0.0040	0.0079		1	12/01/21 13:41	VIC	L587434
Surrogate: Decachlorobiphenyl	76.6				Limits: 25-125%		1	12/01/21 13:41	VIC	L587434
Surrogate: Tetrachloro-m-xylene	76.1				Limits: 25-125%		1	12/01/21 13:41	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86653**

Matrix: **Solids**

Sample ID : **ED-02.45-SL05-0-0.5**

Sampled: **11/17/2021 9:41**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	9.15	%			1	11/30/21 12:37	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86653**

Matrix: **Solids**

Sample ID : **ED-02.45-SL05-0-0.5**

Sampled: **11/17/2021 9:41**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0367		mg/Kg - dry	0.0367	0.0734	10	12/01/21 07:44	VIC	L587434	
Aroclor 1221	<0.0367		mg/Kg - dry	0.0367	0.0734	10	12/01/21 07:44	VIC	L587434	
Aroclor 1232	<0.0367		mg/Kg - dry	0.0367	0.0734	10	12/01/21 07:44	VIC	L587434	
Aroclor 1242	<0.0367		mg/Kg - dry	0.0367	0.0734	10	12/01/21 07:44	VIC	L587434	
Aroclor 1248	12.4		mg/Kg - dry	0.368	0.734	100	12/01/21 14:01	VIC	L587434	
Aroclor 1254	<0.0367		mg/Kg - dry	0.0367	0.0734	10	12/01/21 07:44	VIC	L587434	
Aroclor 1260	<0.0367		mg/Kg - dry	0.0367	0.0734	10	12/01/21 07:44	VIC	L587434	
Surrogate: Decachlorobiphenyl	82.2				Limits: 25-125%	10	12/01/21 07:44	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	72.1				Limits: 25-125%	10	12/01/21 07:44	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86654**

Matrix: **Solids**

Sample ID : **ED-02.54-SL01-0-0.5**

Sampled: **11/17/2021 10:08**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	16.1	%			1	11/30/21 12:37	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86654**

Matrix: **Solids**

Sample ID : **ED-02.54-SL01-0-0.5**

Sampled: **11/17/2021 10:08**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0039		mg/Kg - dry	0.0039	0.0079		1	12/01/21 16:11	VIC	L587434
Aroclor 1221	<0.0039		mg/Kg - dry	0.0039	0.0079		1	12/01/21 16:11	VIC	L587434
Aroclor 1232	<0.0039		mg/Kg - dry	0.0039	0.0079		1	12/01/21 16:11	VIC	L587434
Aroclor 1242	<0.0039		mg/Kg - dry	0.0039	0.0079		1	12/01/21 16:11	VIC	L587434
Aroclor 1248	0.0126		mg/Kg - dry	0.0039	0.0079		1	12/01/21 16:11	VIC	L587434
Aroclor 1254	<0.0039		mg/Kg - dry	0.0039	0.0079		1	12/01/21 16:11	VIC	L587434
Aroclor 1260	<0.0039		mg/Kg - dry	0.0039	0.0079		1	12/01/21 16:11	VIC	L587434
Surrogate: Decachlorobiphenyl	82.4				Limits: 25-125%		1	12/01/21 16:11	VIC	L587434
Surrogate: Tetrachloro-m-xylene	79.9				Limits: 25-125%		1	12/01/21 16:11	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86655**

Matrix: **Solids**

Sample ID : **ED-02.54-SL02-0-0.5**

Sampled: **11/17/2021 10:14**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.2	%			1	11/30/21 12:37	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86655**

Matrix: **Solids**

Sample ID : **ED-02.54-SL02-0-0.5**

Sampled: **11/17/2021 10:14**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0423		mg/Kg - dry	0.0423	0.0846	10	12/01/21 08:23	VIC	L587434	
Aroclor 1221	<0.0423		mg/Kg - dry	0.0423	0.0846	10	12/01/21 08:23	VIC	L587434	
Aroclor 1232	<0.0423		mg/Kg - dry	0.0423	0.0846	10	12/01/21 08:23	VIC	L587434	
Aroclor 1242	<0.0423		mg/Kg - dry	0.0423	0.0846	10	12/01/21 08:23	VIC	L587434	
Aroclor 1248	13.1		mg/Kg - dry	0.424	0.846	100	12/01/21 14:20	VIC	L587434	
Aroclor 1254	<0.0423		mg/Kg - dry	0.0423	0.0846	10	12/01/21 08:23	VIC	L587434	
Aroclor 1260	<0.0423		mg/Kg - dry	0.0423	0.0846	10	12/01/21 08:23	VIC	L587434	
Surrogate: Decachlorobiphenyl	85.4				Limits: 25-125%	10	12/01/21 08:23	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	71.4				Limits: 25-125%	10	12/01/21 08:23	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86656**

Matrix: **Solids**

Sample ID : **ED-02.54-SL03-0-0.5**

Sampled: **11/17/2021 10:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.6	%			1	11/30/21 12:37	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86656**

Matrix: **Solids**

Sample ID : **ED-02.54-SL03-0-0.5**

Sampled: **11/17/2021 10:20**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 14:40	VIC	L587434
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 14:40	VIC	L587434
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 14:40	VIC	L587434
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 14:40	VIC	L587434
Aroclor 1248	0.0141		mg/Kg - dry	0.0041	0.0082		1	12/01/21 14:40	VIC	L587434
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 14:40	VIC	L587434
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 14:40	VIC	L587434
Surrogate: Decachlorobiphenyl	64.6				Limits: 25-125%		1	12/01/21 14:40	VIC	L587434
Surrogate: Tetrachloro-m-xylene	66.2				Limits: 25-125%		1	12/01/21 14:40	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86657**

Matrix: **Solids**

Sample ID : **ED-02.61-SL01-0-0.5**

Sampled: **11/17/2021 10:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	17.9	%			1	11/30/21 12:37	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86657**

Matrix: **Solids**

Sample ID : **ED-02.61-SL01-0-0.5**

Sampled: **11/17/2021 10:40**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 14:59	VIC	L587434	
Aroclor 1221	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 14:59	VIC	L587434	
Aroclor 1232	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 14:59	VIC	L587434	
Aroclor 1242	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 14:59	VIC	L587434	
Aroclor 1248	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 14:59	VIC	L587434	
Aroclor 1254	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 14:59	VIC	L587434	
Aroclor 1260	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 14:59	VIC	L587434	
Surrogate: Decachlorobiphenyl	71.4			Limits: 25-125%		1	12/01/21 14:59	VIC	L587434	
Surrogate: Tetrachloro-m-xylene	68.4			Limits: 25-125%		1	12/01/21 14:59	VIC	L587434	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86658**

Matrix: **Solids**

Sample ID : **ED-02.61-SL02-0-0.5**

Sampled: **11/17/2021 10:48**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	13.8	%			1	11/29/21 17:31	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86658**

Matrix: **Solids**

Sample ID : **ED-02.61-SL02-0-0.5**

Sampled: **11/17/2021 10:48**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0038		mg/Kg - dry	0.0038	0.0077		1	12/01/21 18:09	VIC	L587649
Aroclor 1221	<0.0038		mg/Kg - dry	0.0038	0.0077		1	12/01/21 18:09	VIC	L587649
Aroclor 1232	<0.0038		mg/Kg - dry	0.0038	0.0077		1	12/01/21 18:09	VIC	L587649
Aroclor 1242	<0.0038		mg/Kg - dry	0.0038	0.0077		1	12/01/21 18:09	VIC	L587649
Aroclor 1248	17.9		mg/Kg - dry	0.387	0.774		100	12/02/21 10:45	VIC	L587649
Aroclor 1254	<0.0038		mg/Kg - dry	0.0038	0.0077		1	12/01/21 18:09	VIC	L587649
Aroclor 1260	<0.0038		mg/Kg - dry	0.0038	0.0077		1	12/01/21 18:09	VIC	L587649
Surrogate: Decachlorobiphenyl			73.1		Limits: 25-125%		1	12/01/21 18:09	VIC	L587649
Surrogate: Tetrachloro-m-xylene			39.8		Limits: 25-125%		1	12/01/21 18:09	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86659**

Matrix: **Solids**

Sample ID : **ED-02.61-SL03-0-0.5**

Sampled: **11/17/2021 10:54**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	26.5	%			1	11/29/21 17:31	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86659**

Matrix: **Solids**

Sample ID : **ED-02.61-SL03-0-0.5**

Sampled: **11/17/2021 10:54**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/01/21 18:28	VIC	L587649
Aroclor 1221	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/01/21 18:28	VIC	L587649
Aroclor 1232	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/01/21 18:28	VIC	L587649
Aroclor 1242	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/01/21 18:28	VIC	L587649
Aroclor 1248	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/01/21 18:28	VIC	L587649
Aroclor 1254	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/01/21 18:28	VIC	L587649
Aroclor 1260	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/01/21 18:28	VIC	L587649
Surrogate: Decachlorobiphenyl	72.6				Limits: 25-125%		1	12/01/21 18:28	VIC	L587649
Surrogate: Tetrachloro-m-xylene	75.1				Limits: 25-125%		1	12/01/21 18:28	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86660**

Matrix: **Solids**

Sample ID : **ED-02.64-SL01-0-0.5**

Sampled: **11/17/2021 11:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.1	%				1 11/29/21 17:31 FMM		SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86660**

Matrix: **Solids**

Sample ID : **ED-02.64-SL01-0-0.5**

Sampled: **11/17/2021 11:21**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 18:48	VIC	L587649
Aroclor 1221	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 18:48	VIC	L587649
Aroclor 1232	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 18:48	VIC	L587649
Aroclor 1242	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 18:48	VIC	L587649
Aroclor 1248	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 18:48	VIC	L587649
Aroclor 1254	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 18:48	VIC	L587649
Aroclor 1260	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 18:48	VIC	L587649
Surrogate: Decachlorobiphenyl	81.4				Limits: 25-125%		1	12/01/21 18:48	VIC	L587649
Surrogate: Tetrachloro-m-xylene	84.9				Limits: 25-125%		1	12/01/21 18:48	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86661**

Matrix: **Solids**

Sample ID : **ED-02.64-SL02-0-0.5**

Sampled: **11/17/2021 11:14**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	25.1	%			1	11/29/21 17:31	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86661**

Matrix: **Solids**

Sample ID : **ED-02.64-SL02-0-0.5**

Sampled: **11/17/2021 11:14**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0044		mg/Kg - dry	0.0044	0.0089		1	12/01/21 19:07	VIC	L587649
Aroclor 1221	<0.0044		mg/Kg - dry	0.0044	0.0089		1	12/01/21 19:07	VIC	L587649
Aroclor 1232	<0.0044		mg/Kg - dry	0.0044	0.0089		1	12/01/21 19:07	VIC	L587649
Aroclor 1242	<0.0044		mg/Kg - dry	0.0044	0.0089		1	12/01/21 19:07	VIC	L587649
Aroclor 1248	1.54		mg/Kg - dry	0.0445	0.0890		10	12/02/21 11:04	VIC	L587649
Aroclor 1254	<0.0044		mg/Kg - dry	0.0044	0.0089		1	12/01/21 19:07	VIC	L587649
Aroclor 1260	<0.0044		mg/Kg - dry	0.0044	0.0089		1	12/01/21 19:07	VIC	L587649
Surrogate: Decachlorobiphenyl			81.9		Limits: 25-125%		1	12/01/21 19:07	VIC	L587649
Surrogate: Tetrachloro-m-xylene			84.9		Limits: 25-125%		1	12/01/21 19:07	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86662**

Matrix: **Solids**

Sample ID : **ED-02.64-SL03-0-0.5**

Sampled: **11/17/2021 11:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	26.1	%			1	11/29/21 17:31	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86662**

Matrix: **Solids**

Sample ID : **ED-02.64-SL03-0-0.5**

Sampled: **11/17/2021 11:05**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0045		mg/Kg - dry	0.0045	0.0090	1	12/01/21 19:27	VIC	L587649	
Aroclor 1221	<0.0045		mg/Kg - dry	0.0045	0.0090	1	12/01/21 19:27	VIC	L587649	
Aroclor 1232	<0.0045		mg/Kg - dry	0.0045	0.0090	1	12/01/21 19:27	VIC	L587649	
Aroclor 1242	<0.0045		mg/Kg - dry	0.0045	0.0090	1	12/01/21 19:27	VIC	L587649	
Aroclor 1248	<0.0045		mg/Kg - dry	0.0045	0.0090	1	12/01/21 19:27	VIC	L587649	
Aroclor 1254	<0.0045		mg/Kg - dry	0.0045	0.0090	1	12/01/21 19:27	VIC	L587649	
Aroclor 1260	<0.0045		mg/Kg - dry	0.0045	0.0090	1	12/01/21 19:27	VIC	L587649	
Surrogate: Decachlorobiphenyl	53.8			Limits: 25-125%		1	12/01/21 19:27	VIC	L587649	
Surrogate: Tetrachloro-m-xylene	70.8			Limits: 25-125%		1	12/01/21 19:27	VIC	L587649	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86663**

Matrix: **Solids**

Sample ID : **ED-02.74-SL01-0-0.5**

Sampled: **11/17/2021 11:36**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.7	%			1	11/29/21 17:31	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86663**

Matrix: **Solids**

Sample ID : **ED-02.74-SL01-0-0.5**

Sampled: **11/17/2021 11:36**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 19:46	VIC	L587649
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 19:46	VIC	L587649
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 19:46	VIC	L587649
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 19:46	VIC	L587649
Aroclor 1248	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 19:46	VIC	L587649
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 19:46	VIC	L587649
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 19:46	VIC	L587649
Surrogate: Decachlorobiphenyl	85.3				Limits: 25-125%		1	12/01/21 19:46	VIC	L587649
Surrogate: Tetrachloro-m-xylene	88.3				Limits: 25-125%		1	12/01/21 19:46	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86664**

Matrix: **Solids**

Sample ID : **ED-02.80-SL01-0-0.5**

Sampled: **11/17/2021 14:04**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	22.9	%			1	11/29/21 17:31	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86664**

Matrix: **Solids**

Sample ID : **ED-02.80-SL01-0-0.5**

Sampled: **11/17/2021 14:04**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0043		mg/Kg - dry	0.0043	0.0086		1	12/01/21 20:06	VIC	L587649
Aroclor 1221	<0.0043		mg/Kg - dry	0.0043	0.0086		1	12/01/21 20:06	VIC	L587649
Aroclor 1232	<0.0043		mg/Kg - dry	0.0043	0.0086		1	12/01/21 20:06	VIC	L587649
Aroclor 1242	<0.0043		mg/Kg - dry	0.0043	0.0086		1	12/01/21 20:06	VIC	L587649
Aroclor 1248	<0.0043		mg/Kg - dry	0.0043	0.0086		1	12/01/21 20:06	VIC	L587649
Aroclor 1254	<0.0043		mg/Kg - dry	0.0043	0.0086		1	12/01/21 20:06	VIC	L587649
Aroclor 1260	<0.0043		mg/Kg - dry	0.0043	0.0086		1	12/01/21 20:06	VIC	L587649
Surrogate: Decachlorobiphenyl			81.8		Limits: 25-125%		1	12/01/21 20:06	VIC	L587649
Surrogate: Tetrachloro-m-xylene			80.3		Limits: 25-125%		1	12/01/21 20:06	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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REPORT OF ANALYSIS

Lab No : **86665**

Matrix: **Solids**

Sample ID : **ED-02.80-SL02-0-0.5**

Sampled: **11/17/2021 13:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	10.2	%			1	11/29/21 17:31	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86665**

Matrix: **Solids**

Sample ID : **ED-02.80-SL02-0-0.5**

Sampled: **11/17/2021 13:58**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0037		mg/Kg - dry	0.0037	0.0074		1	12/01/21 20:25	VIC	L587649
Aroclor 1221	<0.0037		mg/Kg - dry	0.0037	0.0074		1	12/01/21 20:25	VIC	L587649
Aroclor 1232	<0.0037		mg/Kg - dry	0.0037	0.0074		1	12/01/21 20:25	VIC	L587649
Aroclor 1242	<0.0037		mg/Kg - dry	0.0037	0.0074		1	12/01/21 20:25	VIC	L587649
Aroclor 1248	<0.0037		mg/Kg - dry	0.0037	0.0074		1	12/01/21 20:25	VIC	L587649
Aroclor 1254	<0.0037		mg/Kg - dry	0.0037	0.0074		1	12/01/21 20:25	VIC	L587649
Aroclor 1260	<0.0037		mg/Kg - dry	0.0037	0.0074		1	12/01/21 20:25	VIC	L587649
Surrogate: Decachlorobiphenyl	75.4				Limits: 25-125%		1	12/01/21 20:25	VIC	L587649
Surrogate: Tetrachloro-m-xylene	85.4				Limits: 25-125%		1	12/01/21 20:25	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86666**

Matrix: **Solids**

Sample ID : **ED-02.80-SL03-0-0.5**

Sampled: **11/17/2021 13:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	8.39	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86666**

Matrix: **Solids**

Sample ID : **ED-02.80-SL03-0-0.5**

Sampled: **11/17/2021 13:50**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0036		mg/Kg - dry	0.0036	0.0072		1	12/01/21 20:45	VIC	L587649
Aroclor 1221	<0.0036		mg/Kg - dry	0.0036	0.0072		1	12/01/21 20:45	VIC	L587649
Aroclor 1232	<0.0036		mg/Kg - dry	0.0036	0.0072		1	12/01/21 20:45	VIC	L587649
Aroclor 1242	<0.0036		mg/Kg - dry	0.0036	0.0072		1	12/01/21 20:45	VIC	L587649
Aroclor 1248	0.373		mg/Kg - dry	0.0364	0.0728		10	12/02/21 11:23	VIC	L587649
Aroclor 1254	<0.0036		mg/Kg - dry	0.0036	0.0072		1	12/01/21 20:45	VIC	L587649
Aroclor 1260	<0.0036		mg/Kg - dry	0.0036	0.0072		1	12/01/21 20:45	VIC	L587649
Surrogate: Decachlorobiphenyl	93.8				Limits: 25-125%		1	12/01/21 20:45	VIC	L587649
Surrogate: Tetrachloro-m-xylene	79.5				Limits: 25-125%		1	12/01/21 20:45	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86667**

Matrix: **Solids**

Sample ID : **ED-02.80-SL04-0-0.5**

Sampled: **11/17/2021 13:27**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.5	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86667**

Matrix: **Solids**

Sample ID : **ED-02.80-SL04-0-0.5**

Sampled: **11/17/2021 13:27**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 21:05	VIC	L587649	
Aroclor 1221	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 21:05	VIC	L587649	
Aroclor 1232	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 21:05	VIC	L587649	
Aroclor 1242	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 21:05	VIC	L587649	
Aroclor 1248	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 21:05	VIC	L587649	
Aroclor 1254	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 21:05	VIC	L587649	
Aroclor 1260	<0.0040		mg/Kg - dry	0.0040	0.0081	1	12/01/21 21:05	VIC	L587649	
Surrogate: Decachlorobiphenyl	83.4			Limits: 25-125%		1	12/01/21 21:05	VIC	L587649	
Surrogate: Tetrachloro-m-xylene	85.9			Limits: 25-125%		1	12/01/21 21:05	VIC	L587649	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86668**

Matrix: **Solids**

Sample ID : **ED-02.80-SL05-0-0.5**

Sampled: **11/17/2021 13:36**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	30.3	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86668**

Matrix: **Solids**

Sample ID : **ED-02.80-SL05-0-0.5**

Sampled: **11/17/2021 13:36**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0047		mg/Kg - dry	0.0047	0.0095	1	12/01/21 21:24	VIC	L587649	
Aroclor 1221	<0.0047		mg/Kg - dry	0.0047	0.0095	1	12/01/21 21:24	VIC	L587649	
Aroclor 1232	<0.0047		mg/Kg - dry	0.0047	0.0095	1	12/01/21 21:24	VIC	L587649	
Aroclor 1242	<0.0047		mg/Kg - dry	0.0047	0.0095	1	12/01/21 21:24	VIC	L587649	
Aroclor 1248	<0.0047		mg/Kg - dry	0.0047	0.0095	1	12/01/21 21:24	VIC	L587649	
Aroclor 1254	<0.0047		mg/Kg - dry	0.0047	0.0095	1	12/01/21 21:24	VIC	L587649	
Aroclor 1260	<0.0047		mg/Kg - dry	0.0047	0.0095	1	12/01/21 21:24	VIC	L587649	
Surrogate: Decachlorobiphenyl	76.9			Limits: 25-125%		1	12/01/21 21:24	VIC	L587649	
Surrogate: Tetrachloro-m-xylene	80.4			Limits: 25-125%		1	12/01/21 21:24	VIC	L587649	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project

Elliott Ditch - R4-R6 Geomorphology Eval

Original Report Date : 12/03/2021

Information : Lafayette

Project No.:315-052

Revised Report Date: 12/15/2021

Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86669**

Matrix: **Solids**

Sample ID : **ED-02.92-SL01-0-0.5**

Sampled: **11/17/2021 15:04**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.1	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86669**

Matrix: **Solids**

Sample ID : **ED-02.92-SL01-0-0.5**

Sampled: **11/17/2021 15:04**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 21:44	VIC	L587649
Aroclor 1221	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 21:44	VIC	L587649
Aroclor 1232	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 21:44	VIC	L587649
Aroclor 1242	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 21:44	VIC	L587649
Aroclor 1248	2.27		mg/Kg - dry	0.0423	0.0845		10	12/02/21 11:43	VIC	L587649
Aroclor 1254	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 21:44	VIC	L587649
Aroclor 1260	<0.0042		mg/Kg - dry	0.0042	0.0084		1	12/01/21 21:44	VIC	L587649
Surrogate: Decachlorobiphenyl			75.9		Limits: 25-125%		1	12/01/21 21:44	VIC	L587649
Surrogate: Tetrachloro-m-xylene			77.4		Limits: 25-125%		1	12/01/21 21:44	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86670**

Matrix: **Solids**

Sample ID : **ED-02.92-SL02-0-0.5**

Sampled: **11/17/2021 14:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	24.0	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86670**

Matrix: **Solids**

Sample ID : **ED-02.92-SL02-0-0.5**

Sampled: **11/17/2021 14:55**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 22:03	VIC	L587649
Aroclor 1221	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 22:03	VIC	L587649
Aroclor 1232	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 22:03	VIC	L587649
Aroclor 1242	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 22:03	VIC	L587649
Aroclor 1248	2.20		mg/Kg - dry	0.0439	0.0877		10	12/02/21 12:03	VIC	L587649
Aroclor 1254	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 22:03	VIC	L587649
Aroclor 1260	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 22:03	VIC	L587649
Surrogate: Decachlorobiphenyl			77.8		Limits: 25-125%		1	12/01/21 22:03	VIC	L587649
Surrogate: Tetrachloro-m-xylene			80.3		Limits: 25-125%		1	12/01/21 22:03	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Revised Report Date: 12/15/2021

Received : 11/20/2021

Information : Lafayette

Project No.:315-052

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86671**

Matrix: **Solids**

Sample ID : **ED-02.92-SL03-0-0.5**

Sampled: **11/17/2021 14:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.4	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86671**

Matrix: **Solids**

Sample ID : **ED-02.92-SL03-0-0.5**

Sampled: **11/17/2021 14:38**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/01/21 22:23	VIC	L587649
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/01/21 22:23	VIC	L587649
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/01/21 22:23	VIC	L587649
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/01/21 22:23	VIC	L587649
Aroclor 1248	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/01/21 22:23	VIC	L587649
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/01/21 22:23	VIC	L587649
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/01/21 22:23	VIC	L587649
Surrogate: Decachlorobiphenyl	75.4				Limits: 25-125%		1	12/01/21 22:23	VIC	L587649
Surrogate: Tetrachloro-m-xylene	68.7				Limits: 25-125%		1	12/01/21 22:23	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86672**

Matrix: **Solids**

Sample ID : **ED-SL-DUP03-0-0.5**

Sampled: **11/17/2021 0:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	23.6	%			1	11/30/21 12:37	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86672**

Matrix: **Solids**

Sample ID : **ED-SL-DUP03-0-0.5**

Sampled: **11/17/2021 0:00**

Analytical Method:	8082A	Prep Batch(es):	L587069	11/29/21 16:55						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 15:19	VIC	L587434
Aroclor 1221	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 15:19	VIC	L587434
Aroclor 1232	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 15:19	VIC	L587434
Aroclor 1242	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 15:19	VIC	L587434
Aroclor 1248	0.0068 JQ		mg/Kg - dry	0.0043	0.0087		1	12/01/21 15:19	VIC	L587434
Aroclor 1254	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 15:19	VIC	L587434
Aroclor 1260	<0.0043		mg/Kg - dry	0.0043	0.0087		1	12/01/21 15:19	VIC	L587434
Surrogate: Decachlorobiphenyl			70.7		Limits: 25-125%		1	12/01/21 15:19	VIC	L587434
Surrogate: Tetrachloro-m-xylene			77.8		Limits: 25-125%		1	12/01/21 15:19	VIC	L587434

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86673**

Matrix: **Solids**

Sample ID : **ED-02.92-SL04-0-0.5**

Sampled: **11/17/2021 14:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.2	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86673**

Matrix: **Solids**

Sample ID : **ED-02.92-SL04-0-0.5**

Sampled: **11/17/2021 14:30**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 22:42	VIC	L587649
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 22:42	VIC	L587649
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 22:42	VIC	L587649
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 22:42	VIC	L587649
Aroclor 1248	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 22:42	VIC	L587649
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 22:42	VIC	L587649
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 22:42	VIC	L587649
Surrogate: Decachlorobiphenyl	71.7				Limits: 25-125%		1	12/01/21 22:42	VIC	L587649
Surrogate: Tetrachloro-m-xylene	76.8				Limits: 25-125%		1	12/01/21 22:42	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Original Report Date : 12/03/2021

Information : Lafayette

Project No.:315-052

Revised Report Date: 12/15/2021

Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86674**

Matrix: **Solids**

Sample ID : **ED-02.92-SL05-0-0.5**

Sampled: **11/17/2021 14:22**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.0	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86674**

Matrix: **Solids**

Sample ID : **ED-02.92-SL05-0-0.5**

Sampled: **11/17/2021 14:22**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 23:02	VIC	L587649
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 23:02	VIC	L587649
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 23:02	VIC	L587649
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 23:02	VIC	L587649
Aroclor 1248	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 23:02	VIC	L587649
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 23:02	VIC	L587649
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/01/21 23:02	VIC	L587649
Surrogate: Decachlorobiphenyl	82.4				Limits: 25-125%		1	12/01/21 23:02	VIC	L587649
Surrogate: Tetrachloro-m-xylene	87.9				Limits: 25-125%		1	12/01/21 23:02	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86675**

Matrix: **Solids**

Sample ID : **ED-03.02-SL01-0-0.5**

Sampled: **11/17/2021 15:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.9	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit		DF	Dilution Factor
	J	Estimated value		L	Limit Exceeded
	MQL	Method Quantitation Limit		Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86675**

Matrix: **Solids**

Sample ID : **ED-03.02-SL01-0-0.5**

Sampled: **11/17/2021 15:58**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/02/21 17:54	VIC	L587899
Aroclor 1221	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/02/21 17:54	VIC	L587899
Aroclor 1232	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/02/21 17:54	VIC	L587899
Aroclor 1242	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/02/21 17:54	VIC	L587899
Aroclor 1248	0.291		mg/Kg - dry	0.0042	0.0085		1	12/02/21 17:54	VIC	L587899
Aroclor 1254	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/02/21 17:54	VIC	L587899
Aroclor 1260	<0.0042		mg/Kg - dry	0.0042	0.0085		1	12/02/21 17:54	VIC	L587899
Surrogate: Decachlorobiphenyl			70.6		Limits: 25-125%		1	12/02/21 17:54	VIC	L587899
Surrogate: Tetrachloro-m-xylene			86.3		Limits: 25-125%		1	12/02/21 17:54	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86676**

Matrix: **Solids**

Sample ID : **ED-03.02-SL02-0-0.5**

Sampled: **11/17/2021 15:51**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.3	%			1	11/29/21 12:05	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86676**

Matrix: **Solids**

Sample ID : **ED-03.02-SL02-0-0.5**

Sampled: **11/17/2021 15:51**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0039		mg/Kg - dry	0.0039	0.0078		1	12/02/21 18:16	VIC	L587899
Aroclor 1221	<0.0039		mg/Kg - dry	0.0039	0.0078		1	12/02/21 18:16	VIC	L587899
Aroclor 1232	<0.0039		mg/Kg - dry	0.0039	0.0078		1	12/02/21 18:16	VIC	L587899
Aroclor 1242	<0.0039		mg/Kg - dry	0.0039	0.0078		1	12/02/21 18:16	VIC	L587899
Aroclor 1248	3.68		mg/Kg - dry	0.0394	0.0787		10	12/03/21 11:41	VIC	L587899
Aroclor 1254	<0.0039		mg/Kg - dry	0.0039	0.0078		1	12/02/21 18:16	VIC	L587899
Aroclor 1260	<0.0039		mg/Kg - dry	0.0039	0.0078		1	12/02/21 18:16	VIC	L587899
Surrogate: Decachlorobiphenyl		78.4			Limits: 25-125%		1	12/02/21 18:16	VIC	L587899
Surrogate: Tetrachloro-m-xylene		79.4			Limits: 25-125%		1	12/02/21 18:16	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86677**

Matrix: **Solids**

Sample ID : **ED-03.02-SL03-0-0.5**

Sampled: **11/17/2021 15:44**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	33.7	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86677**

Matrix: **Solids**

Sample ID : **ED-03.02-SL03-0-0.5**

Sampled: **11/17/2021 15:44**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0050		mg/Kg - dry	0.0050	0.0100		1	12/02/21 18:39	VIC	L587899
Aroclor 1221	<0.0050		mg/Kg - dry	0.0050	0.0100		1	12/02/21 18:39	VIC	L587899
Aroclor 1232	<0.0050		mg/Kg - dry	0.0050	0.0100		1	12/02/21 18:39	VIC	L587899
Aroclor 1242	<0.0050		mg/Kg - dry	0.0050	0.0100		1	12/02/21 18:39	VIC	L587899
Aroclor 1248	1.32		mg/Kg - dry	0.0503	0.101		10	12/03/21 12:03	VIC	L587899
Aroclor 1254	<0.0050		mg/Kg - dry	0.0050	0.0100		1	12/02/21 18:39	VIC	L587899
Aroclor 1260	<0.0050		mg/Kg - dry	0.0050	0.0100		1	12/02/21 18:39	VIC	L587899
Surrogate: Decachlorobiphenyl	83.2				Limits: 25-125%		1	12/02/21 18:39	VIC	L587899
Surrogate: Tetrachloro-m-xylene	81.7				Limits: 25-125%		1	12/02/21 18:39	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86678**

Matrix: **Solids**

Sample ID : **ED-03.02-SL04-0-0.5**

Sampled: **11/17/2021 15:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	33.2	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86678**

Matrix: **Solids**

Sample ID : **ED-03.02-SL04-0-0.5**

Sampled: **11/17/2021 15:35**

Analytical Method:	8082A	Prep Batch(es):	L587279	11/30/21 16:18						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0050		mg/Kg - dry	0.0050	0.0099		1	12/01/21 23:21	VIC	L587649
Aroclor 1221	<0.0050		mg/Kg - dry	0.0050	0.0099		1	12/01/21 23:21	VIC	L587649
Aroclor 1232	<0.0050		mg/Kg - dry	0.0050	0.0099		1	12/01/21 23:21	VIC	L587649
Aroclor 1242	<0.0050		mg/Kg - dry	0.0050	0.0099		1	12/01/21 23:21	VIC	L587649
Aroclor 1248	0.0116		mg/Kg - dry	0.0050	0.0099		1	12/01/21 23:21	VIC	L587649
Aroclor 1254	<0.0050		mg/Kg - dry	0.0050	0.0099		1	12/01/21 23:21	VIC	L587649
Aroclor 1260	<0.0050		mg/Kg - dry	0.0050	0.0099		1	12/01/21 23:21	VIC	L587649
Surrogate: Decachlorobiphenyl	5.18 *				Limits: 25-125%		1	12/01/21 23:21	VIC	L587649
Surrogate: Tetrachloro-m-xylene	1.63 *				Limits: 25-125%		1	12/01/21 23:21	VIC	L587649

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86679**

Matrix: **Solids**

Sample ID : **ED-03.11-SL01-0-0.5**

Sampled: **11/18/2021 9:06**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	24.1	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86679**

Matrix: **Solids**

Sample ID : **ED-03.11-SL01-0-0.5**

Sampled: **11/18/2021 9:06**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0044		mg/Kg - dry	0.0044	0.0087		1	12/02/21 19:01	VIC	L587899
Aroclor 1221	<0.0044		mg/Kg - dry	0.0044	0.0087		1	12/02/21 19:01	VIC	L587899
Aroclor 1232	<0.0044		mg/Kg - dry	0.0044	0.0087		1	12/02/21 19:01	VIC	L587899
Aroclor 1242	<0.0044		mg/Kg - dry	0.0044	0.0087		1	12/02/21 19:01	VIC	L587899
Aroclor 1248	0.0163		mg/Kg - dry	0.0044	0.0087		1	12/02/21 19:01	VIC	L587899
Aroclor 1254	<0.0044		mg/Kg - dry	0.0044	0.0087		1	12/02/21 19:01	VIC	L587899
Aroclor 1260	<0.0044		mg/Kg - dry	0.0044	0.0087		1	12/02/21 19:01	VIC	L587899
Surrogate: Decachlorobiphenyl			71.6		Limits: 25-125%		1	12/02/21 19:01	VIC	L587899
Surrogate: Tetrachloro-m-xylene			85.3		Limits: 25-125%		1	12/02/21 19:01	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86680**

Matrix: **Solids**

Sample ID : **ED-03.11-SL02-0-0.5**

Sampled: **11/18/2021 8:52**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.2	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86680**

Matrix: **Solids**

Sample ID : **ED-03.11-SL02-0-0.5**

Sampled: **11/18/2021 8:52**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0040		mg/Kg - dry	0.0040	0.0081		1	12/02/21 19:23	VIC	L587899
Aroclor 1221	<0.0040		mg/Kg - dry	0.0040	0.0081		1	12/02/21 19:23	VIC	L587899
Aroclor 1232	<0.0040		mg/Kg - dry	0.0040	0.0081		1	12/02/21 19:23	VIC	L587899
Aroclor 1242	<0.0040		mg/Kg - dry	0.0040	0.0081		1	12/02/21 19:23	VIC	L587899
Aroclor 1248	0.498		mg/Kg - dry	0.0408	0.0815		10	12/03/21 12:26	VIC	L587899
Aroclor 1254	<0.0040		mg/Kg - dry	0.0040	0.0081		1	12/02/21 19:23	VIC	L587899
Aroclor 1260	<0.0040		mg/Kg - dry	0.0040	0.0081		1	12/02/21 19:23	VIC	L587899
Surrogate: Decachlorobiphenyl			71.7		Limits: 25-125%		1	12/02/21 19:23	VIC	L587899
Surrogate: Tetrachloro-m-xylene			83.8		Limits: 25-125%		1	12/02/21 19:23	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86681**

Matrix: **Solids**

Sample ID : **ED-03.11-SL03-0-0.5**

Sampled: **11/18/2021 9:12**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	26.1	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86681**

Matrix: **Solids**

Sample ID : **ED-03.11-SL03-0-0.5**

Sampled: **11/18/2021 9:12**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 19:45	VIC	L587899
Aroclor 1221	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 19:45	VIC	L587899
Aroclor 1232	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 19:45	VIC	L587899
Aroclor 1242	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 19:45	VIC	L587899
Aroclor 1248	0.121		mg/Kg - dry	0.0045	0.0090		1	12/02/21 19:45	VIC	L587899
Aroclor 1254	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 19:45	VIC	L587899
Aroclor 1260	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 19:45	VIC	L587899
Surrogate: Decachlorobiphenyl			72.8		Limits: 25-125%		1	12/02/21 19:45	VIC	L587899
Surrogate: Tetrachloro-m-xylene			86.2		Limits: 25-125%		1	12/02/21 19:45	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86682**

Matrix: **Solids**

Sample ID : **ED-03.11-SL04-0-0.5**

Sampled: **11/18/2021 9:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	26.7	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86682**

Matrix: **Solids**

Sample ID : **ED-03.11-SL04-0-0.5**

Sampled: **11/18/2021 9:20**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 20:07	VIC	L587899
Aroclor 1221	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 20:07	VIC	L587899
Aroclor 1232	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 20:07	VIC	L587899
Aroclor 1242	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 20:07	VIC	L587899
Aroclor 1248	0.0627		mg/Kg - dry	0.0045	0.0090		1	12/02/21 20:07	VIC	L587899
Aroclor 1254	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 20:07	VIC	L587899
Aroclor 1260	<0.0045		mg/Kg - dry	0.0045	0.0090		1	12/02/21 20:07	VIC	L587899
Surrogate: Decachlorobiphenyl	69.0				Limits: 25-125%		1	12/02/21 20:07	VIC	L587899
Surrogate: Tetrachloro-m-xylene	80.7				Limits: 25-125%		1	12/02/21 20:07	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86683**

Matrix: **Solids**

Sample ID : **ED-03.34-SL01-0-0.5**

Sampled: **11/18/2021 9:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	29.6	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86683**

Matrix: **Solids**

Sample ID : **ED-03.34-SL01-0-0.5**

Sampled: **11/18/2021 9:45**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0047		mg/Kg - dry	0.0047	0.0094		1	12/02/21 20:29	VIC	L587899
Aroclor 1221	<0.0047		mg/Kg - dry	0.0047	0.0094		1	12/02/21 20:29	VIC	L587899
Aroclor 1232	<0.0047		mg/Kg - dry	0.0047	0.0094		1	12/02/21 20:29	VIC	L587899
Aroclor 1242	<0.0047		mg/Kg - dry	0.0047	0.0094		1	12/02/21 20:29	VIC	L587899
Aroclor 1248	0.0438		mg/Kg - dry	0.0047	0.0094		1	12/02/21 20:29	VIC	L587899
Aroclor 1254	<0.0047		mg/Kg - dry	0.0047	0.0094		1	12/02/21 20:29	VIC	L587899
Aroclor 1260	<0.0047		mg/Kg - dry	0.0047	0.0094		1	12/02/21 20:29	VIC	L587899
Surrogate: Decachlorobiphenyl	48.7				Limits: 25-125%		1	12/02/21 20:29	VIC	L587899
Surrogate: Tetrachloro-m-xylene	61.4				Limits: 25-125%		1	12/02/21 20:29	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86684**

Matrix: **Solids**

Sample ID : **ED-03.34-SL02-0-0.5**

Sampled: **11/18/2021 9:52**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.5	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Lab No : **86684**

Matrix: **Solids**

Sample ID : **ED-03.34-SL02-0-0.5**

Sampled: **11/18/2021 9:52**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/02/21 20:51	VIC	L587899
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/02/21 20:51	VIC	L587899
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/02/21 20:51	VIC	L587899
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/02/21 20:51	VIC	L587899
Aroclor 1248	0.0222		mg/Kg - dry	0.0041	0.0082		1	12/02/21 20:51	VIC	L587899
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/02/21 20:51	VIC	L587899
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0082		1	12/02/21 20:51	VIC	L587899
Surrogate: Decachlorobiphenyl	70.4				Limits: 25-125%		1	12/02/21 20:51	VIC	L587899
Surrogate: Tetrachloro-m-xylene	79.9				Limits: 25-125%		1	12/02/21 20:51	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project Elliott Ditch - R4-R6 Geomorphology Eval Original Report Date : 12/03/2021
Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86685**

Matrix: **Solids**

Sample ID : **ED-SL-DUP04-0-0.5**

Sampled: **11/18/2021 0:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.2	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86685**

Matrix: **Solids**

Sample ID : **ED-SL-DUP04-0-0.5**

Sampled: **11/18/2021 0:00**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/02/21 21:13	VIC	L587899
Aroclor 1221	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/02/21 21:13	VIC	L587899
Aroclor 1232	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/02/21 21:13	VIC	L587899
Aroclor 1242	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/02/21 21:13	VIC	L587899
Aroclor 1248	0.0154		mg/Kg - dry	0.0041	0.0083		1	12/02/21 21:13	VIC	L587899
Aroclor 1254	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/02/21 21:13	VIC	L587899
Aroclor 1260	<0.0041		mg/Kg - dry	0.0041	0.0083		1	12/02/21 21:13	VIC	L587899
Surrogate: Decachlorobiphenyl	63.3				Limits: 25-125%		1	12/02/21 21:13	VIC	L587899
Surrogate: Tetrachloro-m-xylene	75.4				Limits: 25-125%		1	12/02/21 21:13	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86686**

Matrix: **Solids**

Sample ID : **ED-03.34-SL03-0-0.5**

Sampled: **11/18/2021 10:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	30.3	%			1	11/29/21 12:15	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	L	Limit Exceeded
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86686**

Matrix: **Solids**

Sample ID : **ED-03.34-SL03-0-0.5**

Sampled: **11/18/2021 10:00**

Analytical Method:	8082A	Prep Batch(es):	L587538	12/01/21 16:30						
Prep Method:	3540C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0047		mg/Kg - dry	0.0047	0.0095		1	12/02/21 21:35	VIC	L587899
Aroclor 1221	<0.0047		mg/Kg - dry	0.0047	0.0095		1	12/02/21 21:35	VIC	L587899
Aroclor 1232	<0.0047		mg/Kg - dry	0.0047	0.0095		1	12/02/21 21:35	VIC	L587899
Aroclor 1242	<0.0047		mg/Kg - dry	0.0047	0.0095		1	12/02/21 21:35	VIC	L587899
Aroclor 1248	1.62		mg/Kg - dry	0.0479	0.0956		10	12/03/21 12:48	VIC	L587899
Aroclor 1254	<0.0047		mg/Kg - dry	0.0047	0.0095		1	12/02/21 21:35	VIC	L587899
Aroclor 1260	<0.0047		mg/Kg - dry	0.0047	0.0095		1	12/02/21 21:35	VIC	L587899
Surrogate: Decachlorobiphenyl			57.1		Limits: 25-125%		1	12/02/21 21:35	VIC	L587899
Surrogate: Tetrachloro-m-xylene			55.1		Limits: 25-125%		1	12/02/21 21:35	VIC	L587899

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86687**

Matrix: **Aqueous**

Sample ID : **ED-EB01**

Sampled: **11/16/2021 16:45**

Analytical Method:	8082A	Prep Batch(es):	L586982	11/29/21 14:30						
Prep Method:	3510C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.50		µg/L	0.130	0.50	1	12/01/21 00:55	VIC	L587431	
Aroclor 1221	<0.50		µg/L	0.0670	0.50	1	12/01/21 00:55	VIC	L587431	
Aroclor 1232	<0.50		µg/L	0.0670	0.50	1	12/01/21 00:55	VIC	L587431	
Aroclor 1242	<0.50		µg/L	0.0670	0.50	1	12/01/21 00:55	VIC	L587431	
Aroclor 1248	<0.50		µg/L	0.0670	0.50	1	12/01/21 00:55	VIC	L587431	
Aroclor 1254	<0.50		µg/L	0.0670	0.50	1	12/01/21 00:55	VIC	L587431	
Aroclor 1260	<0.50		µg/L	0.169	0.50	1	12/01/21 00:55	VIC	L587431	
Surrogate: Decachlorobiphenyl	59.3			Limits: 36-116%		1	12/01/21 00:55	VIC	L587431	
Surrogate: Tetrachloro-m-xylene	87.3			Limits: 25-123%		1	12/01/21 00:55	VIC	L587431	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Project No.:315-052 Received : 11/20/2021

Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86688**

Matrix: **Aqueous**

Sample ID : **ED-EB02**

Sampled: **11/17/2021 16:06**

Analytical Method:	8082A	Prep Batch(es):	L586982	11/29/21 14:30						
Prep Method:	3510C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.50		µg/L	0.130	0.50	1	12/01/21 01:17	VIC	L587431	
Aroclor 1221	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:17	VIC	L587431	
Aroclor 1232	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:17	VIC	L587431	
Aroclor 1242	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:17	VIC	L587431	
Aroclor 1248	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:17	VIC	L587431	
Aroclor 1254	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:17	VIC	L587431	
Aroclor 1260	<0.50		µg/L	0.169	0.50	1	12/01/21 01:17	VIC	L587431	
Surrogate: Decachlorobiphenyl	61.8			Limits: 36-116%		1	12/01/21 01:17	VIC	L587431	
Surrogate: Tetrachloro-m-xylene	85.6			Limits: 25-123%		1	12/01/21 01:17	VIC	L587431	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		



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Information : Lafayette Revised Report Date: 12/15/2021
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Report Number : **21-326-9027**

REPORT OF ANALYSIS

Lab No : **86689**

Matrix: **Aqueous**

Sample ID : **ED-EB03**

Sampled: **11/19/2021 15:15**

Analytical Method:	8082A	Prep Batch(es):	L586982	11/29/21 14:30						
Prep Method:	3510C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.50		µg/L	0.130	0.50	1	12/01/21 01:39	VIC	L587431	
Aroclor 1221	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:39	VIC	L587431	
Aroclor 1232	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:39	VIC	L587431	
Aroclor 1242	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:39	VIC	L587431	
Aroclor 1248	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:39	VIC	L587431	
Aroclor 1254	<0.50		µg/L	0.0670	0.50	1	12/01/21 01:39	VIC	L587431	
Aroclor 1260	<0.50		µg/L	0.169	0.50	1	12/01/21 01:39	VIC	L587431	
Surrogate: Decachlorobiphenyl	52.8			Limits: 36-116%		1	12/01/21 01:39	VIC	L587431	
Surrogate: Tetrachloro-m-xylene	81.9			Limits: 25-123%		1	12/01/21 01:39	VIC	L587431	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit
	Q	RPD >40% dual column results		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Prep:	L586513	QC Analytical Batch(es):	L586960
QC Prep Batch Method:	3540C	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank		LRB-L586513		Matrix: SOL			
Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0033	0.0033	0.0066	11/29/21 03:45		
Aroclor 1221	mg/Kg	<0.0033	0.0033	0.0066	11/29/21 03:45		
Aroclor 1232	mg/Kg	<0.0033	0.0033	0.0066	11/29/21 03:45		
Aroclor 1242	mg/Kg	<0.0033	0.0033	0.0066	11/29/21 03:45		
Aroclor 1248	mg/Kg	<0.0033	0.0033	0.0066	11/29/21 03:45		
Aroclor 1254	mg/Kg	<0.0033	0.0033	0.0066	11/29/21 03:45		
Aroclor 1260	mg/Kg	<0.0033	0.0033	0.0066	11/29/21 03:45		
Decachlorobiphenyl (S)					11/29/21 03:45	98.5	25-125
Tetrachloro-m-xylene (S)					11/29/21 03:45	90.0	25-125

Laboratory Control Sample		LCS-L586513					
Parameter	Units	Spike Conc.	LCS Result	LCS %Rec		% Rec Limits	
Aroclor 1016	mg/Kg	0.167	0.171	102		50-125	
Aroclor 1260	mg/Kg	0.167	0.181	108		50-125	
Decachlorobiphenyl (S)				96.5		25-125	
Tetrachloro-m-xylene (S)				92.5		25-125	

Matrix Spike & Matrix Spike Duplicate		L 86620-MS-L586513		L 86620-MSD-L586513							
Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0334	0.163	0.164	0.639	0.475	392*	290*	40-140	29.4	30
Aroclor 1260	mg/Kg	<0.0334	0.163	0.164	0.359	0.326	220*	199*	40-140	9.6	30
Decachlorobiphenyl (S)							103	119	25-125		
Tetrachloro-m-xylene (S)							110	119	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Prep:	L586982	QC Analytical Batch(es):	L587431
QC Prep Batch Method:	3510C	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank	LRB-L586982	Matrix: AQU
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Associated Lab Samples: 86687, 86688, 86689

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	µg/L	<0.130	0.130	0.200	11/30/21 23:27		
Aroclor 1221	µg/L	<0.0670	0.0670	0.200	11/30/21 23:27		
Aroclor 1232	µg/L	<0.0670	0.0670	0.200	11/30/21 23:27		
Aroclor 1242	µg/L	<0.0670	0.0670	0.200	11/30/21 23:27		
Aroclor 1248	µg/L	<0.0670	0.0670	0.200	11/30/21 23:27		
Aroclor 1254	µg/L	<0.0670	0.0670	0.200	11/30/21 23:27		
Aroclor 1260	µg/L	<0.169	0.169	0.200	11/30/21 23:27		
Decachlorobiphenyl (S)					11/30/21 23:27	63.5	36-116
Tetrachloro-m-xylene (S)					11/30/21 23:27	77.5	25-123

Laboratory Control Sample & LCSD	LCS-L586982	LCSD-L586982
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Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Aroclor 1016	µg/L	5.00	4.05	4.23	81.0	84.6	44-116	4.3	20.0
Aroclor 1260	µg/L	5.00	2.77	2.93	55.4	58.6	43-129	5.6	20.0
Decachlorobiphenyl (S)					49.8	36.6	36-116		
Tetrachloro-m-xylene (S)					63.5	74.6	25-123		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Prep:	L587069	QC Analytical Batch(es):	L587434
QC Prep Batch Method:	3540C	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank		LRB-L587069	Matrix: SOL		
Parameter	Units	Blank Result	MDL	MQL	Analyzed
Aroclor 1016	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 01:13
Aroclor 1221	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 01:13
Aroclor 1232	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 01:13
Aroclor 1242	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 01:13
Aroclor 1248	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 01:13
Aroclor 1254	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 01:13
Aroclor 1260	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 01:13
Decachlorobiphenyl (S)					12/01/21 01:13 51.5 25-125
Tetrachloro-m-xylene (S)					12/01/21 01:13 57.5 25-125

Laboratory Control Sample		LCS-L587069			
Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.166	99.4	50-125
Aroclor 1260	mg/Kg	0.167	0.180	108	50-125
Decachlorobiphenyl (S)				86.0	25-125
Tetrachloro-m-xylene (S)				90.0	25-125

Matrix Spike & Matrix Spike Duplicate		L 86650-MS-L587069		L 86650-MSD-L587069							
Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0334	0.165	0.165	0.951	0.917	576*	556*	40-140	3.6	30
Aroclor 1260	mg/Kg	<0.0334	0.165	0.165	0.508	0.465	308*	282*	40-140	8.8	30
Decachlorobiphenyl (S)							105	92.9	25-125		
Tetrachloro-m-xylene (S)							90.9	89.8	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Prep:	L587279	QC Analytical Batch(es):	L587649
QC Prep Batch Method:	3540C	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank		LRB-L587279		Matrix: SOL			
Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 16:31		
Aroclor 1221	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 16:31		
Aroclor 1232	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 16:31		
Aroclor 1242	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 16:31		
Aroclor 1248	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 16:31		
Aroclor 1254	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 16:31		
Aroclor 1260	mg/Kg	<0.0033	0.0033	0.0066	12/01/21 16:31		
Decachlorobiphenyl (S)					12/01/21 16:31	76.0	25-125
Tetrachloro-m-xylene (S)					12/01/21 16:31	79.5	25-125

Laboratory Control Sample		LCS-L587279				
Parameter	Units	Spike Conc.	LCS Result	LCS %Rec		% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.166	99.4		50-125
Aroclor 1260	mg/Kg	0.167	0.186	111		50-125
Decachlorobiphenyl (S)				89.5		25-125
Tetrachloro-m-xylene (S)				91.5		25-125

Matrix Spike & Matrix Spike Duplicate		L 86670-MS-L587279		L 86670-MSD-L587279							
Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0033	0.167	0.164	1.23	2.20	737*	1340*	40-140	56.5*	30
Aroclor 1260	mg/Kg	<0.0033	0.167	0.164	0.212	0.336	127	205*	40-140	45.2*	30
Decachlorobiphenyl (S)							69.5	71.5	25-125		
Tetrachloro-m-xylene (S)							73.5	76.6	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Prep:	L587538	QC Analytical Batch(es):	L587899
QC Prep Batch Method:	3540C	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank	LRB-L587538	Matrix: SOL	
Associated Lab Samples:	86675, 86676, 86677, 86679, 86680, 86681, 86682, 86683, 86684, 86685, 86686		

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0033	0.0033	0.0066	12/02/21 16:26		
Aroclor 1221	mg/Kg	<0.0033	0.0033	0.0066	12/02/21 16:26		
Aroclor 1232	mg/Kg	<0.0033	0.0033	0.0066	12/02/21 16:26		
Aroclor 1242	mg/Kg	<0.0033	0.0033	0.0066	12/02/21 16:26		
Aroclor 1248	mg/Kg	<0.0033	0.0033	0.0066	12/02/21 16:26		
Aroclor 1254	mg/Kg	<0.0033	0.0033	0.0066	12/02/21 16:26		
Aroclor 1260	mg/Kg	<0.0033	0.0033	0.0066	12/02/21 16:26		
Decachlorobiphenyl (S)					12/02/21 16:26	87.5	25-125
Tetrachloro-m-xylene (S)					12/02/21 16:26	97.5	25-125

Laboratory Control Sample	LCS-L587538	

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.184	110	50-125
Aroclor 1260	mg/Kg	0.167	0.194	116	50-125
Decachlorobiphenyl (S)				81.0	25-125
Tetrachloro-m-xylene (S)				94.5	25-125

Matrix Spike & Matrix Spike Duplicate	L 86683-MS-L587538	L 86683-MSD-L587538	

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0033	0.162	0.166	0.198	0.192	122	116	40-140	3.0	30
Aroclor 1260	mg/Kg	<0.0033	0.162	0.166	0.190	0.191	117	115	40-140	0.5	30
Decachlorobiphenyl (S)								82.5	83.4	25-125	
Tetrachloro-m-xylene (S)								92.3	90.4	25-125	

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L586713

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 86626-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	19.4	18.7	3.6	20.0	11/24/21 14:48

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L586727

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 86633-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	26.6	26.0	2.2	20.0	11/24/21 15:12

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L586747

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 86627-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	14.3	17.1	17.8	20.0	11/24/21 15:00

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L587061

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 88642-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	13.8	13.6	1.4	20.0	11/29/21 17:31

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L587062

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 86666-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	8.39	9.34	10.7	20.0	11/29/21 12:05

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L587063

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 86677-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	33.7	34.6	2.6	20.0	11/29/21 12:15

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L587197

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 86643-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	15.1	15.2	0.6	20.0	11/30/21 12:27

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch - R4-R6 Geomorphology Evaluation

Report No: 21-326-9027

QC Analytical Batch: L587198

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 86653-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	9.15	9.24	0.9	20.0	11/30/21 12:37

Shipment Receipt Form

Customer Number: **25226**

Customer Name: **Civil & Environmental Consultants, Inc.**

Report Number: **21-326-0027**

Shipping Method

<input type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input type="radio"/> Lab	<input type="radio"/> Other :	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/>
<input type="radio"/> UPS	<input type="radio"/> Client	<input checked="" type="radio"/> Courier	Thermometer ID:	<input style="width: 100px; height: 20px; border: 1px solid black; value=" t137"="" type="text"/>

Shipping container/coolers uncompromised? Yes No

Number of coolers/boxes received

Custody seals intact on shipping container/coolers? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of Custody (COC) present? Yes No

COC agrees with sample label(s)? Yes No

COC properly completed Yes No

Samples in proper containers? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test(s)? Yes No

All samples received within holding time? Yes No

Cooler temperature in compliance? Yes No

Cooler/Samples arrived at the laboratory on ice.
 Samples were considered acceptable as cooling process had begun.

Water - Sample containers properly preserved Yes No N/A

Water - VOA vials free of headspace Yes No N/A

Trip Blanks received with VOAs Yes No N/A

Soil VOA method 5035 – compliance criteria met Yes No N/A

High concentration container (48 hr) Low concentration EnCore samplers (48 hr)

High concentration pre-weighed (methanol -14 d) Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included? Yes No

Comments:

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Client Name/Address CEC - Knoxville, TN	Client Project Manager/Contact Garrett Welch	Billing Information gwelch@cecinc.com	For Laboratory Use Only	
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation	Project/Site Location (City/State) Lafayette, IN	RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed Standard Turn	Method of Shipment <input type="checkbox"/> Fed Ex <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off <input type="checkbox"/> Other	Matrix Key WW – Wastewater DW – Drinking Water S – Soil /Solid P – Product M – Misc
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email gwelch@cecinc.com	Purchase Order Number	Site/Facility ID # Arcanic Lafayette
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38333 (901) 213-2400		Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.	(Grab or (C)omposite Matrix (Refer to Key)	Cool < 10C Na2SO3 (Micro Only) Cool < 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCL pH<2 H3PO4 pH<2 Cool < 6C Na2
		Date	Time	Sample Identification
11/16/21	1316	ED -01.86 - SLφ1 - 0 - 0.5	1 S G X	
11/16/21	1310	ED -01.86 - SLφ2 - 0 - 0.5	1 S G X	
11/16/21	1268	ED -01.86 - SLφ3 - 0 - 0.5	1 S G X	
11/16/21	1222	ED -01.16 - SLφ1 - 0 - 0.5	1 S G X	
11/16/21	1228	ED -01.96 - SLφ2 - 0 - 0.5	1 S G X	
11/16/21	1120	ED -02.00 - SLφ1 - 0 - 0.5	1 S G X	
11/16/21	1125	ED - DURφ1 - 6 - 0.5	1 S G X	
11/16/21	1035	ED - 02.05 - SLφ2 - 0 - 0.5	3 S G X X	
11/16/21	1040	ED - 02.15 - SLφ2 - 0 - 0.5	1 S G X	
		Sampled by (Name – Print)	Client Remarks/Comments	
Ice <input checked="" type="checkbox"/>	Custody Seals <input checked="" type="checkbox"/>	Lab Comments	Received by: (SIGNATURE) <i>Garett Welch</i>	Date Time 11/16/21 15:30
Blanket Cooler Temp 0.3 °C	Temp 1.6 °C		Received by: (SIGNATURE)	Date Time 11/16/21 15:20
TB7	003		Received by: (SIGNATURE)	Date Time 11/16/21 15:15

Civil & Environmental Consultants, Inc.
Elliott Ditch - R4-R6 Geomorphology Evaluation

21-326-0027
25226
11-22-2021
12:03:04

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Client Name/Address CEC - Knoxville, TN	Client Project Manager/Contact Garrett Welch	Billing Information gwelch@cecinc.com	For Laboratory Use Only	
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation	Project/Site Location (City/State) Lafayette, IN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed Standard Turn	Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> Courier <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off Other	Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email gwelch@cecinc.com	Purchase Order Number	Site/Facility ID # Arcanic Lafayette
 Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Unless noted, all containers per Table II of 40 CFR Part 136.	Number of Containers	A Cool <10C Na2S2O3 (Micro Only)
			(G)rab or (C)o-mposite	B Cool <= 6C H2SO4 pH<2
		PCBs via	C None Required NaOH pH>10 HNO3 pH<2	
		MS/MSD	D HCl pH<2 H3PO4 pH<2	
		8002	E Cool <= 6C Na2S2O3	
Date	Time	Sample Identification	Comments	
11/16/21	1644	ED - 02.15 - SLφ3 - 0 - 0.5	1 S G X	
11/16/21	1652	ED - 02.23 - SLφ1 - 0 - 0.5	1 S G X	
11/16/21	1658	ED - 02.23 - SLφ2 - 0 - 0.5	1 S G X	
11/16/21	6942	ED - 02.23 - SLφ3 - 0 - 0.5	1 S G X	
11/16/21	0905	ED - 02.29 - SLφ1 - 0 - 0.5	1 S G X	
11/16/21	0911	ED - 02.29 - SLφ2 - 0 - 0.5	1 S G X	
11/16/21	0918	ED - 02.29 - SLφ3 - 0 - 0.5	1 S G X	
11/16/21	0924	ED - 02.29 - SLφ4 - 0 - 0.5	1 S G X	
11/16/21	1520	ED - 02.54 - SLφ1 - 0 - 0.5	1 S G X	
11/16/21	1523	ED - 02.54 - SLφ2 - 0 - 0.5	1 S G X	
		Required Analysis / Preservative		Client Remarks/Comments
Ice	Custody Seals	Lab Comments		Sampled by (Name - Print) Garrett Welch
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Relinquished by: (SIGNATURE) <i>[Signature]</i>
Blank/Cooler Temp 0.3°C	\$1.6°C			Date Time 11/16/21 15:30
				Date Time Received by: (SIGNATURE) <i>[Signature]</i>
				Date Time 11/16/21 17:30
				Date Time Received by: (SIGNATURE) <i>[Signature]</i>
				Date Time 11/16/21 17:30

Civil & Environmental Consultants, Inc.
Elliott Ditch - R4-R6 Geomorphology Evaluation

21-326-0027
25226
11-22-2021
12:03:04

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Client Name/Address CEC - Knoxville, TN	Client Project Manager/Contact Garrett Welch	Billing Information g Welch@cecinc.com	For Laboratory Use Only					
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation	Project/Site Location (City/State) Lafayette, IN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed Standard Turn	Method of Shipment <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> Courier <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off Other	Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc				
Project Number 315-052	Project Manager Phone # 865-446-1655	Project Manager Email g Welch@cecinc.com	Purchase Order Number Aracnic Lafayette					
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400	Date 11/16/21	Sample Identification Unless noted, all containers per Table II of 40 CFR Part 136.	Required Analysis / Preservative MS/MSD PCBs via 8002 (G)rab or (C)omposite Matrix (Refer to Key) Number of Containers	Comments				
	Time							
	1530	ED - 02.54 - SLφ3 - 0 - 0.5	1 S G X					
	1540	ED - 02.54 - SLφ4 - 0 - 0.5	1 S G X					
	1631	ED - 02.29 - SLφ1 - 0 - 0.5	1 S G X					
	1623	ED - 02.29 - SLφ2 - 0 - 0.5	1 S G X					
	1616	ED - 02.29 - SLφ3 - 0 - 0.5	1 S G X					
	1615	ED - 02.29 - SLφ4 - 0 - 0.5	1 S G X					
	1555	ED - 02.45 - SLφ1 - 0 - 0.5	1 S G X					
	1621	ED - SL - DUROZ - 0 - 0.5	1 S G X					
	1605	ED - 02.45 - SLφ2 - 0 - 0.5	1 S G X					
	1611	ED - 02.45 - SLφ3 - 0 - 0.5	1 S G X					
		For Laboratory Use Only	Sampled by (Name - Print) Garrett Welch	Client Remarks/Comments				
Ice <input checked="" type="checkbox"/>	Custody <input checked="" type="checkbox"/>	Seals <input checked="" type="checkbox"/>	Lab Comments					
Y N <input checked="" type="checkbox"/>	Y N <input checked="" type="checkbox"/>	Blank/Cooler Temp 0.3 °C 71.6 °C 1737.68						
<p>Relinquished by: (SIGNATURE) <i>[Signature]</i></p> <p>Received by: (SIGNATURE) <i>[Signature]</i></p> <p>Relinquished by: (SIGNATURE) <i>[Signature]</i></p> <p>Received by: (SIGNATURE) <i>[Signature]</i></p>								
			Date Time 11/19/21 1530	Date Time 11/19/21 1730	Date Time 11/19/21 1530			
			Date Time 11/19/21 1530	Date Time 11/19/21 1730	Date Time 11/19/21 1530			
			Date Time 11/19/21 1530	Date Time 11/19/21 1730	Date Time 11/19/21 1530			



Civil & Environmental Consultants, Inc.
Elliott Ditch - R4-R6 Geomorphology Evaluation

21-326-0027

25226

11-22-2021

12:03:04

Client Name/Address CEC - Knoxville, TN		Client Project Manager/Contact Garrett Welch		Billing Information gwelch@cecinc.com		For Laboratory Use Only	
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation		Project/Site Location (City/State) Lafayette, IN		<input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed Standard Turn		Method of Shipment <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS Client Drop Off <input checked="" type="checkbox"/> Courier Other	
Project Number 315-052		Project Manager Phone # 865-440-1655		Project Manager Email gwelch@cecinc.com		Purchase Order Number <i>gwelch@cecinc.com</i>	
 Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.		Matrix (Refer to Key) <input type="checkbox"/> Grab or Composite		Comments / Preservative <i>PCBs via 8082 MS/MSD</i>	
Date	Time	Sample Identification		Required Analysis / Preservative		Comments /	
11/17/21	0923	ED - 02.45 - SLφ1 - 0-0.5		1	S G X		
11/17/21	0928	ED - 02.45 - SLφ2 - 0-0.5		3	S G X		
11/17/21	0932	ED - 02.45 - SLφ3 - 0-0.5		1	S G X		
11/17/21	0936	ED - 02.45 - SLφ4 - 0-0.5		1	S G X		
11/17/21	0941	ED - 02.45 - SLφ5 - 0-0.5		1	S G X		
11/17/21	1008	ED - 02.54 - SLφ1 - 0-0.5		1	S G X		
11/17/21	1614	ED - 02.54 - SLφ2 - 0-0.5		1	S G X		
11/17/21	1620	ED - 02.54 - SLφ3 - 0-0.5		1	S G X		
						<i>11/19/21</i> <i>MW</i>	
For Laboratory Use Only							
Ice <input checked="" type="checkbox"/>	Custody Seals <input checked="" type="checkbox"/>	Lab Comments		Sampled by (Name - Print) <i>Garrett Welch</i>		Client Remarks/Comments	
Relinquished by: (SIGNATURE) <i>J. A. Smith</i>		Date	Time	Received by: (SIGNATURE) <i>Bethany M. Smith</i>		Date	Time
Relinquished by: (SIGNATURE) <i>John Doe</i>		11/17/21	1530			11/19/21	1530
Relinquished by: (SIGNATURE) <i>John Doe</i>		Date	Time	Received by: (SIGNATURE) <i>John Doe</i>		Date	Time
Relinquished by: (SIGNATURE) <i>John Doe</i>		Date	Time	Received by: (SIGNATURE) <i>John Doe</i>		Date	Time
		<i>11/19/21</i>					

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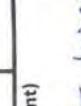
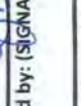
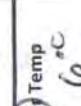
Client Name/Address CEC - Knoxville, TN	Client Project Manager/Contact Garrett Welch	Billing Information gwelch@cecinc.com	For Laboratory Use Only															
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation	Project/Site Location (City/State) Lafayette, IN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed Standard Turn	Method of Shipment <input type="checkbox"/> Fed Ex <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc	21-326-0027 25226 11-22-2021 12:03:04													
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email gwelch@cecinc.com	Purchase Order Number	Site/Facility ID # A Cool < 10C Na2S2O3 (Micro Only) B Cool < = 6C C H2SO4 pH<2 D None Required E NaOH pH>10 F HNO3 pH<2 G HCl pH>2 H H3PO4 pH<2 I Cool < = 6C Na2S2O3														
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400	Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.	MS/MSD 8082 PCBs via (Grab or Composite)	Required Analysis / Preservative Matrix (Refer to Key)	Comments/														
Date	Time	Sample Identification																
11/17/21	1040	ED-02.61-SL41-0-0.5	-	S	G	X												
11/17/21	1048	ED-02.61-SL42-0-0.5	-	S	G	X												
11/17/21	1054	ED-02.61-SL43-0-0.5	-	S	G	X												
11/17/21	1121	ED-02.64-SL41-0-0.5	-	S	G	X												
11/17/21	1124	ED-02.64-SL42-0-0.5	-	S	G	X												
11/17/21	1165	ED-02.64-SL43-0-0.5	-	S	G	X												
11/17/21	1136	ED-02.74-SL41-0-0.5	-	S	G	X												
11/17/21	11404	ED-02.80-SL41-0-0.5	-	S	G	X												
11/17/21	1358	ED-02.80-SL42-0-0.5	-	S	G	X												
11/17/21	1350	ED-02.80-SL43-0-0.5	-	S	G	X												
Sampled by (Name - Print) <i>Garrett Welch</i>													Client Remarks/Comments					
For Laboratory Use Only																		
Ice <input checked="" type="checkbox"/>	Custody Seals <input checked="" type="checkbox"/>	Lab Comments											Received by: (Signature) <i>J. N.</i>	Date 11/19/21	Time 1530			
Blank Cooler Temp 0.3 °C	Temp 11.6 °C												Received by: (Signature) <i>J. N.</i>	Date 11/19/21	Time 1730			
Relinquished by: (Signature) <i>J. N.</i>													Received by: (Signature) <i>J. N.</i>	Date 11/19/21	Time 1015			
Relinquished by: (Signature) <i>J. N.</i>													Received by: (Signature) <i>J. N.</i>	Date 11/19/21	Time 1021			

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Client Name/Address CEC - Knoxville, TN	Client Project Manager/Contact Garrett Welch	Billing Information gwelch@cecinc.com	For Laboratory Use Only										
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation	Project/Site Location (City/State) Lafayette, IN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed Standard Turn	Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	Matrix Key WW - Wastewater DW - Drinking Water S - Soil/Solid O - Oil P - Product M - Misc	GW - Groundwater DW - Drinking Water S - Soil/Solid O - Oil P - Product M - Misc								
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email gwelch@cecinc.com	Purchase Order Number	Site/Facility ID # Arcanic Lafayette									
				A B C D E F G H I	Cool < 10C Na2S2O3 (Micro Only) Cool <= 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCL pH<2 H3PO4 pH<2 Cool <= 6C Na2S2O3								
				Comments									
Date	Time	Sample Identification	Required Analysis / Preservative										
11/17/21	1327	ED-02.80 - SLφ4 -0-0.5	1	S	G	X							
11/17/21	1334	ED-02.80 - SLφ5 -0-0.5	1	S	G	X							
11/17/21	1504	ED-02.92 - SLφ1 -0-0.5	1	S	G	X							
11/17/21	1455	ED-02.92 - SLφ2 -0-0.5	3	S	G	X							
11/17/21	1458	ED-02.92 - SLφ3 -0-0.5	1	S	G	X							
11/17/21	1430	ED-02.92 - SLφ4 -0-0.5	1	S	G	X							
11/17/21	1422	ED-02.92 - SLφ5 -0-0.5	1	S	G	X							
11/17/21	1558	ED-03.02 - SLφ1 -0-0.5	1	S	G	X							
11/17/21	1551	ED-03.02 - SLφ2 -0-0.5	1	S	G	X							
			Client Remarks/Comments										
			Sampled by (Name - Print) Garrett Welch										
For Laboratory Use Only													
Ice	Custody Seals	Lab Comments											
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
Blank/Cooler Temp 0.3 °C	Y/N												
11/17/21			Date	Time	Received by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)		Date	Time	
			11/17/21	1736			11/17/21	1736			11/17/21	1736	
Relinquished by: (SIGNATURE)													
Relinquished by: (SIGNATURE)													
Relinquished by: (SIGNATURE)													
Relinquished by: (SIGNATURE)													

Client Name/Address CEC - Knoxville, TN		Client Project Manager/Contact Garrett Welch		Billing Information gwelch@cecinc.com		For Laboratory Use Only	
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation		Project/Site Location (City/State) Lafayette, IN		<input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed Standard Turn		Method of Shipment <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> Courier <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off <input type="checkbox"/> Other	
Project Number 315-052		Project Manager Phone # 865-440-1655		Project Manager Email gwelch@cecinc.com		Purchase Order Number	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400				Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.		Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc	
				MS/MSD 8082 PCBs via		A B C D E F G H I	
				(g)rab or (C)omposite		Cool < 10C Na2S2O3 (Micro Only) Cool < 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCl pH<2 H3PO4 pH<2 Cool < 6C Na2S2O3	
						Comments	
Date	Time	Sample Identification				Required Analysis / Preservative	
11/17/21	1544	ED - 03.02 - SL43 - 0-0.5		1		S G X	
11/17/21	1535	ED - 03.02 - SL44 - 0-0.5		1		S G X	
11/19/21	0906	ED - 03.11 - SL41 - 0-0.5		1		S G X	
11/19/21	0852	ED - 03.11 - SL42 - 0-0.5		1		S G X	
11/19/21	0912	ED - 03.11 - SL43 - 0-0.5		1		S G X	
11/19/21	0920	ED - 03.11 - SL44 - 0-0.5		1		S G X	
11/19/21	0945	ED - 03.34 - SL41 - 0-0.5		3		S G X X	
11/19/21	0952	ED - 03.34 - SL42 - 0-0.5		1		S G X	
11/19/21		ED - SL - DR44 - 0-0.5		1		S G X	
11/19/21	1000	ED - 03.34 - SL43 - 0-0.5		1		S G X	
						Client Remarks/Comments	
						Sampled by (Name - Print)	
						Garrett Welch	
				Relinquished by: (SIGNATURE) 		Date	Time
				Relinquished by: (SIGNATURE) 		11/19/21	1530
				Relinquished by: (SIGNATURE) 		Date	Time
				Relinquished by: (SIGNATURE) 		11/19/21	1730
				Relinquished by: (SIGNATURE) 		Date	Time
				Relinquished by: (SIGNATURE) 		11/20/2021	1015

For Laboratory Use Only

Client Name/Address CEC - Knoxville, TN	Client Project Manager/Contact Garrett Welch	Billing Information gwelch@cecinc.com	For Laboratory Use Only																
Project Description Elliott Ditch - R4-R6 Geomorphology Evaluation	Project/Site Location (City/State) Lafayette, TN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed Standard Turn	Method of Shipment <input type="checkbox"/> Fed Ex <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc	21-326-0027 25226 11-22-2021 12:03:04														
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email gwelch@cecinc.com	Purchase Order Number	Site/Facility ID # Arcanic Lafayette															
 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Unless noted, all containers per Table II of 40 CFR Part 136.	MS/MSD	Required Analysis / Preservative															
			PCBs via 800	(g)rab or (C)omposite	Matrix (Refer to Key)	Number of Containers	Comments /												
Date	Time	Sample Identification	1	W	G	X													
11/16/21	1645	ED-EBQ1	1	W	G	X													
11/17/21	1606	ED-EBQ2	1	W	G	X													
11/18/21																			
11/19/21	1515	ED-EBQ3	1	W	G	X													
For Laboratory Use Only										Client Remarks/Comments W = water									
Ice	Custody Seals	Lab Comments								Relinquished by: (SIGNATURE)		Received by: (SIGNATURE)		Date	Time				
<input checked="" type="radio"/>	<input checked="" type="radio"/>													11/17/21	1530				
Blank	Coole	Temp	0.3°C	1.6°C	0.3°C	1.6°C	0.3°C	1.6°C	0.3°C	1.6°C	0.3°C	1.6°C	0.3°C	1.6°C	0.3°C	1.6°C	0.3°C	1.6°C	
Relinquished by: (SIGNATURE)												Date	Time						
Relinquished by: (SIGNATURE)												11/17/21	1730						
Relinquished by: (SIGNATURE)												Date	Time						
												11/17/21	1530						
												Date	Time						
												11/17/21	1730						
												Date	Time						

3/17/2022

Civil & Environmental Consultants, Inc.
Mr. Garrett Welch
2704 Cherokee Farm Way²Suite 101
Suite 101
Knoxville, TN, 37920

Ref: Analytical Testing
Lab Report Number: 22-069-0176
Client Project Description: Elliott Ditch
Project No.:315-052

Dear Mr. Garrett Welch:
Waypoint Analytical, LLC. received sample(s) on 3/10/2022 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Andrea R Brownfield
Project manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.



Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2023
Arkansas	State Program	88-0650	02/07/2023
California	State Program	2904	06/30/2022
Florida	State Program - NELAP	E871157	06/30/2022
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2022
Illinois	State Program - NELAP	200078	10/10/2022
Kentucky	State Program	80215	06/30/2022
Kentucky	State Program	KY90047	12/31/2022
Louisiana	State Program - NELAP	LA037	12/31/2022
Louisiana	State Program - NELAP	04015	06/30/2022
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2022
Pennsylvania	State Program - NELAP	68-03195	05/31/2022
South Carolina	State Program	84002	06/30/2022
South Carolina	State Program	84002	06/30/2022
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2022
Virginia	State Program - NELAP	460181	09/14/2022



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Sample Summary Table

Report Number: 22-069-0176

Client Project Description: Elliott Ditch
Project No.:315-052

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
88805	ED-02.99-SL01-0-0.5	Solids	03/02/2022 10:53	03/10/2022
88806	ED-SLDUP05-0-0.5	Solids	03/02/2022	03/10/2022
88807	ED-02.97-SL01-0.0.5	Solids	03/02/2022 11:05	03/10/2022
88808	ED-02.39-SL01-0.05	Solids	03/02/2022 13:55	03/10/2022
88809	ED-02.36-SL01-0.05	Solids	03/02/2022 12:47	03/10/2022
88810	ED-02.48-SL01-0.05	Solids	03/02/2022 14:05	03/10/2022
88811	ED-02.26-SL01-0.05	Solids	03/02/2022 14:45	03/10/2022
88812	ED-02.12-SL01-0.05	Solids	03/02/2022 15:00	03/10/2022
88813	ED-02.08-SL01-0.05	Solids	03/02/2022 16:13	03/10/2022
88814	ED-02.04-SL01-0.05	Solids	03/02/2022 16:31	03/10/2022
88815	ED-01.95-SL01-0.05	Solids	03/03/2022 08:38	03/10/2022
88816	ED-01.58-SL01-0.05	Solids	03/03/2022 09:05	03/10/2022
88817	ED-01.78-SL01-0.05	Solids	03/03/2022 10:00	03/10/2022
88818	ED-03.28-SL01-0-0.7	Solids	02/28/2022 17:10	03/10/2022
88819	ED-03.28SL01-0.7-1.4	Solids	02/28/2022 17:15	03/10/2022
88820	ED-03.10-SD01-0-0.9	Solids	03/01/2022 10:19	03/10/2022
88821	ED-03.10-SD01-0.9-1.1	Solids	03/01/2022 10:24	03/10/2022
88822	ED-03.10-SD01-1.1-1.4	Solids	03/01/2022 10:29	03/10/2022
88823	ED-02.96-SD01-0-0.7	Solids	03/01/2022 11:54	03/10/2022
88824	ED-DUP01-Sediment	Solids	03/01/2022	03/10/2022
88825	ED-02.96-SD01-0.7-1.4	Solids	03/01/2022 11:59	03/10/2022
88826	ED-02.94-SD01-0-0.8	Solids	03/01/2022 12:45	03/10/2022
88827	ED-02..94-SD01-0.8-1.6	Solids	03/01/2022 12:50	03/10/2022
88828	ED-02.88-SD01-0-0.85	Solids	03/01/2022 14:45	03/10/2022
88829	ED-02.88-SD01-0.85-1.7	Solids	03/01/2022 14:50	03/10/2022
88830	ED-02.88-SD01-1.7-2.6	Solids	03/01/2022 14:55	03/10/2022



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Sample Summary Table

Report Number: 22-069-0176

Client Project Description: Elliott Ditch
Project No.:315-052

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
88831	ED-02.74-SD01-0-0.85	Solids	03/01/2022 16:00	03/10/2022
88832	ED-02.63-SD01-0-0.75	Solids	03/01/2022 16:49	03/10/2022
88833	ED-02.59-SD01-0-0.80	Solids	03/02/2022 11:35	03/10/2022
88834	ED-02.48-SD01-0-0.70	Solids	03/02/2022 14:00	03/10/2022
88835	ED-02.48-SD01-0.7-1.4	Solids	03/02/2022 14:05	03/10/2022
88836	ED-02.36-SD01-0-0.70	Solids	03/02/2022 13:08	03/10/2022
88837	ED-02.36-SD01-0.70-1.4	Solids	03/02/2022 13:13	03/10/2022
88838	ED-02.17-SD01-0-0.90	Solids	03/02/2022 15:40	03/10/2022
88839	ED-01.88-SD01-0-0.50	Solids	03/03/2022 09:19	03/10/2022
88840	ED-01.77-SD01-0-0.50	Solids	03/03/2022 10:05	03/10/2022
88841	ED-DUP02-Sediment	Solids	03/03/2022	03/10/2022
88842	ED-01.77-SD01-0.50-1.3	Solids	03/03/2022 10:10	03/10/2022
88843	ED-01.77-SD01-1.3-2.1	Solids	03/03/2022 10:15	03/10/2022
88844	ED-01.67-SD01-0-0.90	Solids	03/03/2022 10:38	03/10/2022
88845	ED-01.67-SD01-0.90-1.2	Solids	03/03/2022 10:43	03/10/2022
88846	ED-01.67-SD01-1.2-2.0	Solids	03/03/2022 10:48	03/10/2022
88847	ED-Equipment Blank-03032022	Aqueous	03/03/2022 12:00	03/10/2022
88848	ED-01.88-SD01-0.5-1.0	Solids	03/03/2022 09:24	03/10/2022

Client: Civil & Environmental Consultants, Inc.
Project: Elliott Ditch
Lab Report Number: 22-069-0176
Date: 3/17/2022

CASE NARRATIVE

Polychlorinated Biphenyls (PCB's) Method 8082A

Sample 88820 (ED-03.10-SD01-0-0.9)

Analyte: Aroclor 1248

QC Batch No: L605191/L604714

Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 88815 (ED-01.95-SL01-0.05)

Analyte: Tetrachloro-m-xylene

QC Batch No: L605191/L604714

Surrogate recovery(s) was flagged as outside QC limits due to high levels of target and/or non-target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Sample 88822 (ED-03.10-SD01-1.1-1.4)

Analyte: Aroclor 1248

QC Batch No: L605192/L604816

Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 88825 (ED-02.96-SD01-0.7-1.4)

Analyte: Aroclor 1248

QC Batch No: L605192/L604816

Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 88826 (ED-02.94-SD01-0-0.8)

Analyte: Tetrachloro-m-xylene

QC Batch No: L605192/L604816

Surrogate recovery(s) was flagged as outside QC limits due to high levels of target and/or non-target analytes. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.



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Civil & Environmental Consultants, Inc.

Mr. Garrett Welch

2704 Cherokee Farm Way²Suite 101

Suite 101

Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022

Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88805**

Matrix: **Solids**

Sample ID : **ED-02.99-SL01-0-0.5**

Sampled: **3/2/2022 10:53**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.7	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Mr. Garrett Welch
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Suite 101
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88805**

Matrix: **Solids**

Sample ID : **ED-02.99-SL01-0-0.5**

Sampled: **3/2/2022 10:53**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0171		mg/Kg - dry	0.0171	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1221	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1232	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1242	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1262	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1248	0.567		mg/Kg - dry	0.0279	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1254	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1260	<0.0301		mg/Kg - dry	0.0301	0.0841	10	03/16/22 03:20	VIC	L605191	
Aroclor 1268	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 03:20	VIC	L605191	
Surrogate: Decachlorobiphenyl	28.3			Limits: 25-125%		10	03/16/22 03:20	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	53.3			Limits: 25-125%		10	03/16/22 03:20	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Mr. Garrett Welch

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Suite 101

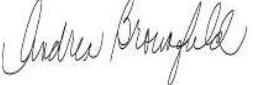
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/2/2022 0:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.8	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Mr. Garrett Welch

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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022

Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88806**

Matrix: **Solids**

Sample ID : **ED-SLDUP05-0-0.5**

Sampled: **3/2/2022 0:00**

Analytical Method: 8082A

Prep Batch(es): L604714 03/14/22 13:57

Prep Method: 3546

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0171	mg/Kg - dry	0.0171	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1221	<0.0280	mg/Kg - dry	0.0280	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1232	<0.0280	mg/Kg - dry	0.0280	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1242	<0.0280	mg/Kg - dry	0.0280	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1262	<0.0280	mg/Kg - dry	0.0280	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1248	0.612	mg/Kg - dry	0.0280	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1254	<0.0280	mg/Kg - dry	0.0280	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1260	<0.0301	mg/Kg - dry	0.0301	0.0842	10	03/16/22 03:41	VIC	L605191
Aroclor 1268	<0.0280	mg/Kg - dry	0.0280	0.0842	10	03/16/22 03:41	VIC	L605191
Surrogate: Decachlorobiphenyl	32.5			Limits: 25-125%	10	03/16/22 03:41	VIC	8082A
Surrogate: Tetrachloro-m-xylene	60.0			Limits: 25-125%	10	03/16/22 03:41	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Civil & Environmental Consultants, Inc.

Mr. Garrett Welch

2704 Cherokee Farm Way²Suite 101

Suite 101

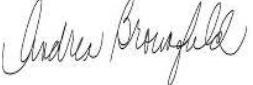
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/2/2022 11:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.1	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Civil & Environmental Consultants, Inc.

Mr. Garrett Welch

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Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022

Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**
Sampled: **3/2/2022 11:05**

Analytical Method: 8082A

Prep Batch(es): L604714 03/14/22 13:57

Prep Method: 3546

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0160	mg/Kg - dry	0.0160	0.0785	10	03/16/22 04:03	VIC	L605191
Aroclor 1221	<0.0261	mg/Kg - dry	0.0261	0.0785	10	03/16/22 04:03	VIC	L605191
Aroclor 1232	<0.0261	mg/Kg - dry	0.0261	0.0785	10	03/16/22 04:03	VIC	L605191
Aroclor 1242	<0.0261	mg/Kg - dry	0.0261	0.0785	10	03/16/22 04:03	VIC	L605191
Aroclor 1262	<0.0261	mg/Kg - dry	0.0261	0.0785	10	03/16/22 04:03	VIC	L605191
Aroclor 1248	4.46	mg/Kg - dry	0.261	0.786	100	03/16/22 19:01	VIC	L605191
Aroclor 1254	<0.0261	mg/Kg - dry	0.0261	0.0785	10	03/16/22 04:03	VIC	L605191
Aroclor 1260	<0.0281	mg/Kg - dry	0.0281	0.0785	10	03/16/22 04:03	VIC	L605191
Aroclor 1268	<0.0261	mg/Kg - dry	0.0261	0.0785	10	03/16/22 04:03	VIC	L605191
Surrogate: Decachlorobiphenyl	30.0			Limits: 25-125%	10	03/16/22 04:03	VIC	8082A
Surrogate: Tetrachloro-m-xylene	81.3			Limits: 25-125%	10	03/16/22 04:03	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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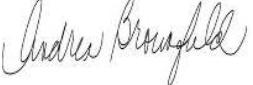
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/2/2022 13:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	14.6	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022
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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88808**

Matrix: **Solids**

Sample ID : **ED-02.39-SL01-0.05**

Sampled: **3/2/2022 13:55**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0159		mg/Kg - dry	0.0159	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1221	<0.0259		mg/Kg - dry	0.0259	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1232	<0.0259		mg/Kg - dry	0.0259	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1242	<0.0259		mg/Kg - dry	0.0259	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1262	<0.0259		mg/Kg - dry	0.0259	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1248	2.45		mg/Kg - dry	0.0259	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1254	<0.0259		mg/Kg - dry	0.0259	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1260	<0.0279		mg/Kg - dry	0.0279	0.0781	10	03/16/22 04:24	VIC	L605191	
Aroclor 1268	<0.0259		mg/Kg - dry	0.0259	0.0781	10	03/16/22 04:24	VIC	L605191	
Surrogate: Decachlorobiphenyl	41.1				Limits: 25-125%		10	03/16/22 04:24	VIC	8082A
Surrogate: Tetrachloro-m-xylene	89.4				Limits: 25-125%		10	03/16/22 04:24	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Information : Project No.:315-052

Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88809**

Matrix: **Solids**

Sample ID : **ED-02.36-SL01-0.05**

Sampled: **3/2/2022 12:47**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	27.0	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88809**

Matrix: **Solids**

Sample ID : **ED-02.36-SL01-0.05**

Sampled: **3/2/2022 12:47**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0186		mg/Kg - dry	0.0186	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1221	<0.0304		mg/Kg - dry	0.0304	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1232	<0.0304		mg/Kg - dry	0.0304	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1242	<0.0304		mg/Kg - dry	0.0304	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1262	<0.0304		mg/Kg - dry	0.0304	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1248	0.944		mg/Kg - dry	0.0304	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1254	<0.0304		mg/Kg - dry	0.0304	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1260	<0.0327		mg/Kg - dry	0.0327	0.0913	10	03/16/22 04:46	VIC	L605191	
Aroclor 1268	<0.0304		mg/Kg - dry	0.0304	0.0913	10	03/16/22 04:46	VIC	L605191	
Surrogate: Decachlorobiphenyl	45.2				Limits: 25-125%		10	03/16/22 04:46	VIC	8082A
Surrogate: Tetrachloro-m-xylene	118				Limits: 25-125%		10	03/16/22 04:46	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88810**

Matrix: **Solids**

Sample ID : **ED-02.48-SL01-0.05**

Sampled: **3/2/2022 14:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.4	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022

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Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88810**

Matrix: **Solids**

Sample ID : **ED-02.48-SL01-0.05**

Sampled: **3/2/2022 14:05**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0173		mg/Kg - dry	0.0173	0.0848	10	03/16/22 05:08	VIC	L605191	
Aroclor 1221	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 05:08	VIC	L605191	
Aroclor 1232	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 05:08	VIC	L605191	
Aroclor 1242	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 05:08	VIC	L605191	
Aroclor 1262	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 05:08	VIC	L605191	
Aroclor 1248	9.48		mg/Kg - dry	0.282	0.849	100	03/17/22 09:12	VIC	L605191	
Aroclor 1254	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 05:08	VIC	L605191	
Aroclor 1260	<0.0304		mg/Kg - dry	0.0304	0.0848	10	03/16/22 05:08	VIC	L605191	
Aroclor 1268	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 05:08	VIC	L605191	
Surrogate: Decachlorobiphenyl	31.1				Limits: 25-125%		10	03/16/22 05:08	VIC	8082A
Surrogate: Tetrachloro-m-xylene	55.8				Limits: 25-125%		10	03/16/22 05:08	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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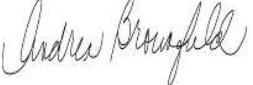
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Information : Project No.:315-052

Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/2/2022 14:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.0	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88811**

Matrix: **Solids**

Sample ID : **ED-02.26-SL01-0.05**

Sampled: **3/2/2022 14:45**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0165		mg/Kg - dry	0.0165	0.0813	10	03/16/22 05:29	VIC	L605191	
Aroclor 1221	<0.0270		mg/Kg - dry	0.0270	0.0813	10	03/16/22 05:29	VIC	L605191	
Aroclor 1232	<0.0270		mg/Kg - dry	0.0270	0.0813	10	03/16/22 05:29	VIC	L605191	
Aroclor 1242	<0.0270		mg/Kg - dry	0.0270	0.0813	10	03/16/22 05:29	VIC	L605191	
Aroclor 1262	<0.0270		mg/Kg - dry	0.0270	0.0813	10	03/16/22 05:29	VIC	L605191	
Aroclor 1248	9.05		mg/Kg - dry	0.271	0.813	100	03/17/22 09:34	VIC	L605191	
Aroclor 1254	<0.0270		mg/Kg - dry	0.0270	0.0813	10	03/16/22 05:29	VIC	L605191	
Aroclor 1260	<0.0291		mg/Kg - dry	0.0291	0.0813	10	03/16/22 05:29	VIC	L605191	
Aroclor 1268	<0.0270		mg/Kg - dry	0.0270	0.0813	10	03/16/22 05:29	VIC	L605191	
Surrogate: Decachlorobiphenyl	48.6			Limits: 25-125%		10	03/16/22 05:29	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	61.3			Limits: 25-125%		10	03/16/22 05:29	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88812**

Matrix: **Solids**

Sample ID : **ED-02.12-SL01-0.05**

Sampled: **3/2/2022 15:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	17.2	%			1	03/15/22 15:46	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88812**

Matrix: **Solids**

Sample ID : **ED-02.12-SL01-0.05**

Sampled: **3/2/2022 15:00**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0164		mg/Kg - dry	0.0164	0.0805	10	03/16/22 05:51	VIC	L605191	
Aroclor 1221	<0.0268		mg/Kg - dry	0.0268	0.0805	10	03/16/22 05:51	VIC	L605191	
Aroclor 1232	<0.0268		mg/Kg - dry	0.0268	0.0805	10	03/16/22 05:51	VIC	L605191	
Aroclor 1242	<0.0268		mg/Kg - dry	0.0268	0.0805	10	03/16/22 05:51	VIC	L605191	
Aroclor 1262	<0.0268		mg/Kg - dry	0.0268	0.0805	10	03/16/22 05:51	VIC	L605191	
Aroclor 1248	8.22		mg/Kg - dry	0.268	0.806	100	03/17/22 09:55	VIC	L605191	
Aroclor 1254	<0.0268		mg/Kg - dry	0.0268	0.0805	10	03/16/22 05:51	VIC	L605191	
Aroclor 1260	<0.0288		mg/Kg - dry	0.0288	0.0805	10	03/16/22 05:51	VIC	L605191	
Aroclor 1268	<0.0268		mg/Kg - dry	0.0268	0.0805	10	03/16/22 05:51	VIC	L605191	
Surrogate: Decachlorobiphenyl	34.0				Limits: 25-125%		10	03/16/22 05:51	VIC	8082A
Surrogate: Tetrachloro-m-xylene	56.5				Limits: 25-125%		10	03/16/22 05:51	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88813**

Matrix: **Solids**

Sample ID : **ED-02.08-SL01-0.05**

Sampled: **3/2/2022 16:13**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.9	%			1	03/16/22 16:36	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Lab No : **88813**

Matrix: **Solids**

Sample ID : **ED-02.08-SL01-0.05**

Sampled: **3/2/2022 16:13**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0169		mg/Kg - dry	0.0169	0.0832	10	03/16/22 06:12	VIC	L605191	
Aroclor 1221	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 06:12	VIC	L605191	
Aroclor 1232	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 06:12	VIC	L605191	
Aroclor 1242	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 06:12	VIC	L605191	
Aroclor 1262	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 06:12	VIC	L605191	
Aroclor 1248	18.7		mg/Kg - dry	0.277	0.833	100	03/17/22 10:17	VIC	L605191	
Aroclor 1254	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 06:12	VIC	L605191	
Aroclor 1260	<0.0298		mg/Kg - dry	0.0298	0.0832	10	03/16/22 06:12	VIC	L605191	
Aroclor 1268	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 06:12	VIC	L605191	
Surrogate: Decachlorobiphenyl	31.7				Limits: 25-125%		10	03/16/22 06:12	VIC	8082A
Surrogate: Tetrachloro-m-xylene	49.5				Limits: 25-125%		10	03/16/22 06:12	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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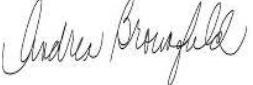
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/2/2022 16:31**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	21.4	%			1	03/16/22 16:36	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88814**

Matrix: **Solids**

Sample ID : **ED-02.04-SL01-0.05**

Sampled: **3/2/2022 16:31**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0173		mg/Kg - dry	0.0173	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1221	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1232	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1242	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1262	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1248	0.0318 J		mg/Kg - dry	0.0282	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1254	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1260	<0.0304		mg/Kg - dry	0.0304	0.0848	10	03/16/22 06:34	VIC	L605191	
Aroclor 1268	<0.0282		mg/Kg - dry	0.0282	0.0848	10	03/16/22 06:34	VIC	L605191	
Surrogate: Decachlorobiphenyl	42.5				Limits: 25-125%		10	03/16/22 06:34	VIC	8082A
Surrogate: Tetrachloro-m-xylene	55.4				Limits: 25-125%		10	03/16/22 06:34	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 8:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	33.5	%			1	03/16/22 16:36	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88815**

Matrix: **Solids**

Sample ID : **ED-01.95-SL01-0.05**

Sampled: **3/3/2022 8:38**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0204		mg/Kg - dry	0.0204	0.100	10	03/16/22 06:56	VIC	L605191	
Aroclor 1221	<0.0333		mg/Kg - dry	0.0333	0.100	10	03/16/22 06:56	VIC	L605191	
Aroclor 1232	<0.0333		mg/Kg - dry	0.0333	0.100	10	03/16/22 06:56	VIC	L605191	
Aroclor 1242	<0.0333		mg/Kg - dry	0.0333	0.100	10	03/16/22 06:56	VIC	L605191	
Aroclor 1262	<0.0333		mg/Kg - dry	0.0333	0.100	10	03/16/22 06:56	VIC	L605191	
Aroclor 1248	20.5		mg/Kg - dry	0.334	1.00	100	03/17/22 10:39	VIC	L605191	
Aroclor 1254	<0.0333		mg/Kg - dry	0.0333	0.100	10	03/16/22 06:56	VIC	L605191	
Aroclor 1260	<0.0359		mg/Kg - dry	0.0359	0.100	10	03/16/22 06:56	VIC	L605191	
Aroclor 1268	<0.0333		mg/Kg - dry	0.0333	0.100	10	03/16/22 06:56	VIC	L605191	
Surrogate: Decachlorobiphenyl	41.2			Limits: 25-125%		10	03/16/22 06:56	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	I *			Limits: 25-125%		100	03/17/22 10:39	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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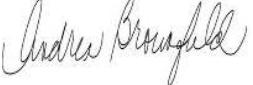
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Project Elliott Ditch

Information : Project No.:315-052

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 9:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	13.8	%			1	03/16/22 16:36	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88816**

Matrix: **Solids**

Sample ID : **ED-01.58-SL01-0.05**

Sampled: **3/3/2022 9:05**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0157		mg/Kg - dry	0.0157	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1221	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1232	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1242	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1262	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1248	1.37		mg/Kg - dry	0.0257	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1254	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1260	<0.0277		mg/Kg - dry	0.0277	0.0773	10	03/16/22 07:17	VIC	L605191	
Aroclor 1268	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 07:17	VIC	L605191	
Surrogate: Decachlorobiphenyl	34.4				Limits: 25-125%		10	03/16/22 07:17	VIC	8082A
Surrogate: Tetrachloro-m-xylene	118				Limits: 25-125%		10	03/16/22 07:17	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Information : Project No.:315-052

Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88817**

Matrix: **Solids**

Sample ID : **ED-01.78-SL01-0.05**

Sampled: **3/3/2022 10:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	17.8	%			1	03/16/22 16:36	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88817**

Matrix: **Solids**

Sample ID : **ED-01.78-SL01-0.05**

Sampled: **3/3/2022 10:00**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0165		mg/Kg - dry	0.0165	0.0811	10	03/16/22 07:39	VIC	L605191	
Aroclor 1221	<0.0270		mg/Kg - dry	0.0270	0.0811	10	03/16/22 07:39	VIC	L605191	
Aroclor 1232	<0.0270		mg/Kg - dry	0.0270	0.0811	10	03/16/22 07:39	VIC	L605191	
Aroclor 1242	<0.0270		mg/Kg - dry	0.0270	0.0811	10	03/16/22 07:39	VIC	L605191	
Aroclor 1262	<0.0270		mg/Kg - dry	0.0270	0.0811	10	03/16/22 07:39	VIC	L605191	
Aroclor 1248	28.6		mg/Kg - dry	0.270	0.811	100	03/17/22 11:00	VIC	L605191	
Aroclor 1254	<0.0270		mg/Kg - dry	0.0270	0.0811	10	03/16/22 07:39	VIC	L605191	
Aroclor 1260	<0.0290		mg/Kg - dry	0.0290	0.0811	10	03/16/22 07:39	VIC	L605191	
Aroclor 1268	<0.0270		mg/Kg - dry	0.0270	0.0811	10	03/16/22 07:39	VIC	L605191	
Surrogate: Decachlorobiphenyl	46.9			Limits: 25-125%		10	03/16/22 07:39	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	73.5			Limits: 25-125%		10	03/16/22 07:39	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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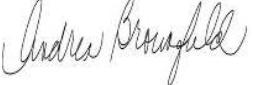
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **2/28/2022 17:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	8.14	%			1	03/16/22 16:36	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88818**

Matrix: **Solids**

Sample ID : **ED-03.28-SL01-0-0.7**

Sampled: **2/28/2022 17:10**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0148		mg/Kg - dry	0.0148	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1221	<0.0241		mg/Kg - dry	0.0241	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1232	<0.0241		mg/Kg - dry	0.0241	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1242	<0.0241		mg/Kg - dry	0.0241	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1262	<0.0241		mg/Kg - dry	0.0241	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1248	0.214		mg/Kg - dry	0.0241	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1254	<0.0241		mg/Kg - dry	0.0241	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1260	<0.0260		mg/Kg - dry	0.0260	0.0726	10	03/16/22 08:22	VIC	L605191	
Aroclor 1268	<0.0241		mg/Kg - dry	0.0241	0.0726	10	03/16/22 08:22	VIC	L605191	
Surrogate: Decachlorobiphenyl	43.2				Limits: 25-125%		10	03/16/22 08:22	VIC	8082A
Surrogate: Tetrachloro-m-xylene	60.4				Limits: 25-125%		10	03/16/22 08:22	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88819**

Matrix: **Solids**

Sample ID : **ED-03.28SL01-0.7-1.4**

Sampled: **2/28/2022 17:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	11.3	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022
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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88819**

Matrix: **Solids**

Sample ID : **ED-03.28SL01-0.7-1.4**

Sampled: **2/28/2022 17:15**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0153		mg/Kg - dry	0.0153	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1221	<0.0250		mg/Kg - dry	0.0250	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1232	<0.0250		mg/Kg - dry	0.0250	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1242	<0.0250		mg/Kg - dry	0.0250	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1262	<0.0250		mg/Kg - dry	0.0250	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1248	0.113		mg/Kg - dry	0.0250	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1254	<0.0250		mg/Kg - dry	0.0250	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1260	<0.0269		mg/Kg - dry	0.0269	0.0751	10	03/16/22 08:44	VIC	L605191	
Aroclor 1268	<0.0250		mg/Kg - dry	0.0250	0.0751	10	03/16/22 08:44	VIC	L605191	
Surrogate: Decachlorobiphenyl	39.5				Limits: 25-125%		10	03/16/22 08:44	VIC	8082A
Surrogate: Tetrachloro-m-xylene	62.6				Limits: 25-125%		10	03/16/22 08:44	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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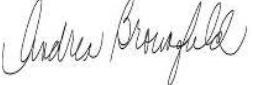
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Information : Project No.:315-052

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 10:19**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	11.7	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88820**

Matrix: **Solids**

Sample ID : **ED-03.10-SD01-0-0.9**

Sampled: **3/1/2022 10:19**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0154		mg/Kg - dry	0.0154	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1221	<0.0251		mg/Kg - dry	0.0251	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1232	<0.0251		mg/Kg - dry	0.0251	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1242	<0.0251		mg/Kg - dry	0.0251	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1262	<0.0251		mg/Kg - dry	0.0251	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1248	0.394 Q		mg/Kg - dry	0.0251	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1254	<0.0251		mg/Kg - dry	0.0251	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1260	<0.0270		mg/Kg - dry	0.0270	0.0755	10	03/16/22 09:05	VIC	L605191	
Aroclor 1268	<0.0251		mg/Kg - dry	0.0251	0.0755	10	03/16/22 09:05	VIC	L605191	
Surrogate: Decachlorobiphenyl	27.2			Limits: 25-125%		10	03/16/22 09:05	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	61.6			Limits: 25-125%		10	03/16/22 09:05	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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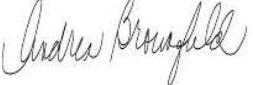
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 10:24**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	13.8	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88821**

Matrix: **Solids**

Sample ID : **ED-03.10-SD01-0.9-1.1**

Sampled: **3/1/2022 10:24**

Analytical Method:	8082A	Prep Batch(es):	L604714	03/14/22 13:57						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0157		mg/Kg - dry	0.0157	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1221	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1232	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1242	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1262	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1248	0.245		mg/Kg - dry	0.0257	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1254	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1260	<0.0277		mg/Kg - dry	0.0277	0.0773	10	03/16/22 09:31	VIC	L605191	
Aroclor 1268	<0.0257		mg/Kg - dry	0.0257	0.0773	10	03/16/22 09:31	VIC	L605191	
Surrogate: Decachlorobiphenyl	49.0				Limits: 25-125%		10	03/16/22 09:31	VIC	8082A
Surrogate: Tetrachloro-m-xylene	54.8				Limits: 25-125%		10	03/16/22 09:31	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 10:29**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.9	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88822**

Matrix: **Solids**

Sample ID : **ED-03.10-SD01-1.1-1.4**

Sampled: **3/1/2022 10:29**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0169		mg/Kg - dry	0.0169	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1221	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1232	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1242	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1262	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1248	0.315 Q		mg/Kg - dry	0.0277	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1254	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1260	<0.0298		mg/Kg - dry	0.0298	0.0832	10	03/16/22 11:26	VIC	L605192	
Aroclor 1268	<0.0277		mg/Kg - dry	0.0277	0.0832	10	03/16/22 11:26	VIC	L605192	
Surrogate: Decachlorobiphenyl	35.2				Limits: 25-125%		10	03/16/22 11:26	VIC	8082A
Surrogate: Tetrachloro-m-xylene	51.8				Limits: 25-125%		10	03/16/22 11:26	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88823**

Matrix: **Solids**

Sample ID : **ED-02.96-SD01-0-0.7**

Sampled: **3/1/2022 11:54**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	12.4	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project manager

Report Number : **22-069-0176**

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Matrix: **Solids**
Sampled: **3/1/2022 11:54**

Analytical Method: 8082A

Prep Batch(es): L604816 03/15/22 07:08

Prep Method: 3546

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0155	mg/Kg - dry	0.0155	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1221	<0.0253	mg/Kg - dry	0.0253	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1232	<0.0253	mg/Kg - dry	0.0253	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1242	<0.0253	mg/Kg - dry	0.0253	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1262	<0.0253	mg/Kg - dry	0.0253	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1248	0.312	mg/Kg - dry	0.0253	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1254	<0.0253	mg/Kg - dry	0.0253	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1260	<0.0272	mg/Kg - dry	0.0272	0.0761	10	03/16/22 11:47	VIC	L605192
Aroclor 1268	<0.0253	mg/Kg - dry	0.0253	0.0761	10	03/16/22 11:47	VIC	L605192
Surrogate: Decachlorobiphenyl	61.7			Limits: 25-125%	10	03/16/22 11:47	VIC	8082A
Surrogate: Tetrachloro-m-xylene	56.9			Limits: 25-125%	10	03/16/22 11:47	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88824**

Matrix: **Solids**

Sample ID : **ED-DUP01-Sediment**

Sampled: **3/1/2022 0:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	10.5	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Information : Project No.:315-052

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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88824**

Matrix: **Solids**

Sample ID : **ED-DUP01-Sediment**

Sampled: **3/1/2022 0:00**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08				
Prep Method:	3546							
Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0151	mg/Kg - dry	0.0151	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1221	<0.0248	mg/Kg - dry	0.0248	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1232	<0.0248	mg/Kg - dry	0.0248	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1242	<0.0248	mg/Kg - dry	0.0248	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1262	<0.0248	mg/Kg - dry	0.0248	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1248	0.699	mg/Kg - dry	0.0248	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1254	<0.0248	mg/Kg - dry	0.0248	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1260	<0.0267	mg/Kg - dry	0.0267	0.0745	10	03/16/22 12:09	VIC	L605192
Aroclor 1268	<0.0248	mg/Kg - dry	0.0248	0.0745	10	03/16/22 12:09	VIC	L605192
Surrogate: Decachlorobiphenyl	37.4			Limits: 25-125%	10	03/16/22 12:09	VIC	8082A
Surrogate: Tetrachloro-m-xylene	104			Limits: 25-125%	10	03/16/22 12:09	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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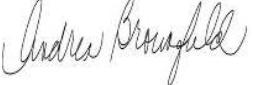
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 11:59**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	10.2	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88825**

Matrix: **Solids**

Sample ID : **ED-02.96-SD01-0.7-1.4**

Sampled: **3/1/2022 11:59**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0151		mg/Kg - dry	0.0151	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1221	<0.0247		mg/Kg - dry	0.0247	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1232	<0.0247		mg/Kg - dry	0.0247	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1242	<0.0247		mg/Kg - dry	0.0247	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1262	<0.0247		mg/Kg - dry	0.0247	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1248	0.144 Q		mg/Kg - dry	0.0247	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1254	<0.0247		mg/Kg - dry	0.0247	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1260	<0.0266		mg/Kg - dry	0.0266	0.0742	10	03/16/22 12:31	VIC	L605192	
Aroclor 1268	<0.0247		mg/Kg - dry	0.0247	0.0742	10	03/16/22 12:31	VIC	L605192	
Surrogate: Decachlorobiphenyl	39.2			Limits: 25-125%		10	03/16/22 12:31	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	69.8			Limits: 25-125%		10	03/16/22 12:31	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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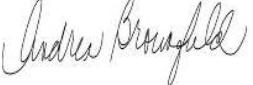
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Project Elliott Ditch

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Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 12:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	6.96	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88826**

Matrix: **Solids**

Sample ID : **ED-02.94-SD01-0-0.8**

Sampled: **3/1/2022 12:45**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0146		mg/Kg - dry	0.0146	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1221	<0.0238		mg/Kg - dry	0.0238	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1232	<0.0238		mg/Kg - dry	0.0238	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1242	<0.0238		mg/Kg - dry	0.0238	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1262	<0.0238		mg/Kg - dry	0.0238	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1248	0.164		mg/Kg - dry	0.0238	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1254	<0.0238		mg/Kg - dry	0.0238	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1260	<0.0256		mg/Kg - dry	0.0256	0.0716	10	03/16/22 12:52	VIC	L605192	
Aroclor 1268	<0.0238		mg/Kg - dry	0.0238	0.0716	10	03/16/22 12:52	VIC	L605192	
Surrogate: Decachlorobiphenyl	34.0			Limits: 25-125%		10	03/16/22 12:52	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	19.5 *			Limits: 25-125%		10	03/16/22 12:52	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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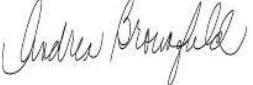
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 12:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	14.0	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88827**

Matrix: **Solids**

Sample ID : **ED-02..94-SD01-0.8-1.6**

Sampled: **3/1/2022 12:50**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0158		mg/Kg - dry	0.0158	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1221	<0.0258		mg/Kg - dry	0.0258	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1232	<0.0258		mg/Kg - dry	0.0258	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1242	<0.0258		mg/Kg - dry	0.0258	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1262	<0.0258		mg/Kg - dry	0.0258	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1248	0.228		mg/Kg - dry	0.0258	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1254	<0.0258		mg/Kg - dry	0.0258	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1260	<0.0277		mg/Kg - dry	0.0277	0.0775	10	03/16/22 13:15	VIC	L605192	
Aroclor 1268	<0.0258		mg/Kg - dry	0.0258	0.0775	10	03/16/22 13:15	VIC	L605192	
Surrogate: Decachlorobiphenyl	49.9				Limits: 25-125%		10	03/16/22 13:15	VIC	8082A
Surrogate: Tetrachloro-m-xylene	69.5				Limits: 25-125%		10	03/16/22 13:15	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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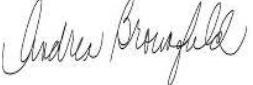
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 14:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	8.01	%			1	03/16/22 16:45	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

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Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88828**

Matrix: **Solids**

Sample ID : **ED-02.88-SD01-0-0.85**

Sampled: **3/1/2022 14:45**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0147		mg/Kg - dry	0.0147	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1221	<0.0241		mg/Kg - dry	0.0241	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1232	<0.0241		mg/Kg - dry	0.0241	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1242	<0.0241		mg/Kg - dry	0.0241	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1262	<0.0241		mg/Kg - dry	0.0241	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1248	0.333		mg/Kg - dry	0.0241	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1254	<0.0241		mg/Kg - dry	0.0241	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1260	<0.0259		mg/Kg - dry	0.0259	0.0725	10	03/16/22 13:37	VIC	L605192	
Aroclor 1268	<0.0241		mg/Kg - dry	0.0241	0.0725	10	03/16/22 13:37	VIC	L605192	
Surrogate: Decachlorobiphenyl		28.6			Limits: 25-125%		10	03/16/22 13:37	VIC	8082A
Surrogate: Tetrachloro-m-xylene		52.3			Limits: 25-125%		10	03/16/22 13:37	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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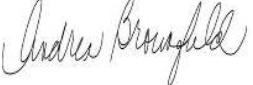
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 14:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	11.8	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88829**

Matrix: **Solids**

Sample ID : **ED-02.88-SD01-0.85-1.7**

Sampled: **3/1/2022 14:50**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0154		mg/Kg - dry	0.0154	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1221	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1232	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1242	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1262	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1248	0.224		mg/Kg - dry	0.0251	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1254	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1260	<0.0270		mg/Kg - dry	0.0270	0.0756	10	03/16/22 13:58	VIC	L605192	
Aroclor 1268	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 13:58	VIC	L605192	
Surrogate: Decachlorobiphenyl	55.8				Limits: 25-125%		10	03/16/22 13:58	VIC	8082A
Surrogate: Tetrachloro-m-xylene	53.3				Limits: 25-125%		10	03/16/22 13:58	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 14:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.3	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88830**

Matrix: **Solids**

Sample ID : **ED-02.88-SD01-1.7-2.6**

Sampled: **3/1/2022 14:55**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0160		mg/Kg - dry	0.0160	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1221	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1232	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1242	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1262	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1248	0.164		mg/Kg - dry	0.0262	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1254	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1260	<0.0282		mg/Kg - dry	0.0282	0.0787	10	03/16/22 14:20	VIC	L605192	
Aroclor 1268	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 14:20	VIC	L605192	
Surrogate: Decachlorobiphenyl	50.3				Limits: 25-125%		10	03/16/22 14:20	VIC	8082A
Surrogate: Tetrachloro-m-xylene	48.6				Limits: 25-125%		10	03/16/22 14:20	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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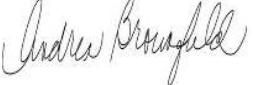
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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**
Sampled: **3/1/2022 16:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	13.4	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

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Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88831**

Matrix: **Solids**

Sample ID : **ED-02.74-SD01-0-0.85**

Sampled: **3/1/2022 16:00**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0157		mg/Kg - dry	0.0157	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1221	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1232	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1242	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1262	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1248	0.551		mg/Kg - dry	0.0256	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1254	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1260	<0.0275		mg/Kg - dry	0.0275	0.0770	10	03/16/22 14:42	VIC	L605192	
Aroclor 1268	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 14:42	VIC	L605192	
Surrogate: Decachlorobiphenyl	51.3				Limits: 25-125%		10	03/16/22 14:42	VIC	8082A
Surrogate: Tetrachloro-m-xylene	82.4				Limits: 25-125%		10	03/16/22 14:42	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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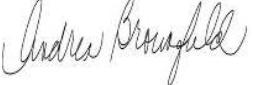
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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/1/2022 16:49**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.6	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88832**

Matrix: **Solids**

Sample ID : **ED-02.63-SD01-0-0.75**

Sampled: **3/1/2022 16:49**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0167		mg/Kg - dry	0.0167	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1221	<0.0272		mg/Kg - dry	0.0272	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1232	<0.0272		mg/Kg - dry	0.0272	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1242	<0.0272		mg/Kg - dry	0.0272	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1262	<0.0272		mg/Kg - dry	0.0272	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1248	0.457		mg/Kg - dry	0.0272	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1254	<0.0272		mg/Kg - dry	0.0272	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1260	<0.0293		mg/Kg - dry	0.0293	0.0819	10	03/16/22 15:03	VIC	L605192	
Aroclor 1268	<0.0272		mg/Kg - dry	0.0272	0.0819	10	03/16/22 15:03	VIC	L605192	
Surrogate: Decachlorobiphenyl	36.9				Limits: 25-125%		10	03/16/22 15:03	VIC	8082A
Surrogate: Tetrachloro-m-xylene	71.4				Limits: 25-125%		10	03/16/22 15:03	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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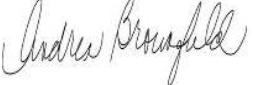
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/2/2022 11:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	11.6	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Information : Project No.:315-052

Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88833**

Matrix: **Solids**

Sample ID : **ED-02.59-SD01-0-0.80**

Sampled: **3/2/2022 11:35**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0153		mg/Kg - dry	0.0153	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1221	<0.0251		mg/Kg - dry	0.0251	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1232	<0.0251		mg/Kg - dry	0.0251	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1242	<0.0251		mg/Kg - dry	0.0251	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1262	<0.0251		mg/Kg - dry	0.0251	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1248	0.269		mg/Kg - dry	0.0251	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1254	<0.0251		mg/Kg - dry	0.0251	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1260	<0.0270		mg/Kg - dry	0.0270	0.0754	10	03/16/22 15:25	VIC	L605192	
Aroclor 1268	<0.0251		mg/Kg - dry	0.0251	0.0754	10	03/16/22 15:25	VIC	L605192	
Surrogate: Decachlorobiphenyl	38.3				Limits: 25-125%		10	03/16/22 15:25	VIC	8082A
Surrogate: Tetrachloro-m-xylene	72.1				Limits: 25-125%		10	03/16/22 15:25	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022

Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88834**

Matrix: **Solids**

Sample ID : **ED-02.48-SD01-0-0.70**

Sampled: **3/2/2022 14:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	8.42	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88834**

Matrix: **Solids**

Sample ID : **ED-02.48-SD01-0-0.70**

Sampled: **3/2/2022 14:00**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0148		mg/Kg - dry	0.0148	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1221	<0.0242		mg/Kg - dry	0.0242	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1232	<0.0242		mg/Kg - dry	0.0242	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1242	<0.0242		mg/Kg - dry	0.0242	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1262	<0.0242		mg/Kg - dry	0.0242	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1248	0.139		mg/Kg - dry	0.0242	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1254	<0.0242		mg/Kg - dry	0.0242	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1260	<0.0260		mg/Kg - dry	0.0260	0.0728	10	03/16/22 16:08	VIC	L605192	
Aroclor 1268	<0.0242		mg/Kg - dry	0.0242	0.0728	10	03/16/22 16:08	VIC	L605192	
Surrogate: Decachlorobiphenyl	32.4				Limits: 25-125%		10	03/16/22 16:08	VIC	8082A
Surrogate: Tetrachloro-m-xylene	58.9				Limits: 25-125%		10	03/16/22 16:08	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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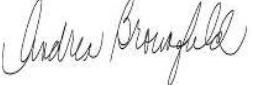
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/2/2022 14:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	11.8	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88835**

Matrix: **Solids**

Sample ID : **ED-02.48-SD01-0.7-1.4**

Sampled: **3/2/2022 14:05**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0154		mg/Kg - dry	0.0154	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1221	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1232	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1242	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1262	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1248	0.129		mg/Kg - dry	0.0251	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1254	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1260	<0.0270		mg/Kg - dry	0.0270	0.0756	10	03/16/22 16:30	VIC	L605192	
Aroclor 1268	<0.0251		mg/Kg - dry	0.0251	0.0756	10	03/16/22 16:30	VIC	L605192	
Surrogate: Decachlorobiphenyl	46.5				Limits: 25-125%		10	03/16/22 16:30	VIC	8082A
Surrogate: Tetrachloro-m-xylene	68.7				Limits: 25-125%		10	03/16/22 16:30	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88836**

Matrix: **Solids**

Sample ID : **ED-02.36-SD01-0-0.70**

Sampled: **3/2/2022 13:08**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	6.12	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88836**

Matrix: **Solids**

Sample ID : **ED-02.36-SD01-0-0.70**

Sampled: **3/2/2022 13:08**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0144		mg/Kg - dry	0.0144	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1221	<0.0236		mg/Kg - dry	0.0236	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1232	<0.0236		mg/Kg - dry	0.0236	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1242	<0.0236		mg/Kg - dry	0.0236	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1262	<0.0236		mg/Kg - dry	0.0236	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1248	0.406		mg/Kg - dry	0.0236	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1254	<0.0236		mg/Kg - dry	0.0236	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1260	<0.0254		mg/Kg - dry	0.0254	0.0710	10	03/16/22 16:52	VIC	L605192	
Aroclor 1268	<0.0236		mg/Kg - dry	0.0236	0.0710	10	03/16/22 16:52	VIC	L605192	
Surrogate: Decachlorobiphenyl	32.0			Limits: 25-125%		10	03/16/22 16:52	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	71.7			Limits: 25-125%		10	03/16/22 16:52	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88837**

Matrix: **Solids**

Sample ID : **ED-02.36-SD01-0.70-1.4**

Sampled: **3/2/2022 13:13**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	13.4	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88837**

Matrix: **Solids**

Sample ID : **ED-02.36-SD01-0.70-1.4**

Sampled: **3/2/2022 13:13**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0157		mg/Kg - dry	0.0157	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1221	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1232	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1242	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1262	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1248	1.17		mg/Kg - dry	0.0256	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1254	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1260	<0.0275		mg/Kg - dry	0.0275	0.0770	10	03/16/22 17:14	VIC	L605192	
Aroclor 1268	<0.0256		mg/Kg - dry	0.0256	0.0770	10	03/16/22 17:14	VIC	L605192	
Surrogate: Decachlorobiphenyl	34.2				Limits: 25-125%		10	03/16/22 17:14	VIC	8082A
Surrogate: Tetrachloro-m-xylene	73.5				Limits: 25-125%		10	03/16/22 17:14	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88838**

Matrix: **Solids**

Sample ID : **ED-02.17-SD01-0-0.90**

Sampled: **3/2/2022 15:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	13.7	%			1	03/16/22 16:54	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88838**

Matrix: **Solids**

Sample ID : **ED-02.17-SD01-0-0.90**

Sampled: **3/2/2022 15:40**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0157		mg/Kg - dry	0.0157	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1221	<0.0257		mg/Kg - dry	0.0257	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1232	<0.0257		mg/Kg - dry	0.0257	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1242	<0.0257		mg/Kg - dry	0.0257	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1262	<0.0257		mg/Kg - dry	0.0257	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1248	0.477		mg/Kg - dry	0.0257	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1254	<0.0257		mg/Kg - dry	0.0257	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1260	<0.0276		mg/Kg - dry	0.0276	0.0772	10	03/16/22 17:35	VIC	L605192	
Aroclor 1268	<0.0257		mg/Kg - dry	0.0257	0.0772	10	03/16/22 17:35	VIC	L605192	
Surrogate: Decachlorobiphenyl	32.4				Limits: 25-125%		10	03/16/22 17:35	VIC	8082A
Surrogate: Tetrachloro-m-xylene	91.8				Limits: 25-125%		10	03/16/22 17:35	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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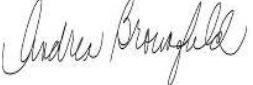
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 9:19**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	20.7	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88839**

Matrix: **Solids**

Sample ID : **ED-01.88-SD01-0-0.50**

Sampled: **3/3/2022 9:19**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0171		mg/Kg - dry	0.0171	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1221	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1232	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1242	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1262	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1248	0.526		mg/Kg - dry	0.0279	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1254	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1260	<0.0301		mg/Kg - dry	0.0301	0.0841	10	03/16/22 17:57	VIC	L605192	
Aroclor 1268	<0.0279		mg/Kg - dry	0.0279	0.0841	10	03/16/22 17:57	VIC	L605192	
Surrogate: Decachlorobiphenyl	29.3				Limits: 25-125%		10	03/16/22 17:57	VIC	8082A
Surrogate: Tetrachloro-m-xylene	75.5				Limits: 25-125%		10	03/16/22 17:57	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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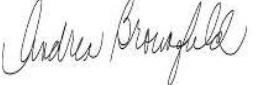
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 10:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.5	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022

Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88840**

Matrix: **Solids**

Sample ID : **ED-01.77-SD01-0-0.50**

Sampled: **3/3/2022 10:05**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08				
Prep Method:	3546							
Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0166	mg/Kg - dry	0.0166	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1221	<0.0272	mg/Kg - dry	0.0272	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1232	<0.0272	mg/Kg - dry	0.0272	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1242	<0.0272	mg/Kg - dry	0.0272	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1262	<0.0272	mg/Kg - dry	0.0272	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1248	0.456	mg/Kg - dry	0.0272	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1254	<0.0272	mg/Kg - dry	0.0272	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1260	<0.0293	mg/Kg - dry	0.0293	0.0818	10	03/16/22 18:18	VIC	L605192
Aroclor 1268	<0.0272	mg/Kg - dry	0.0272	0.0818	10	03/16/22 18:18	VIC	L605192
Surrogate: Decachlorobiphenyl	40.6			Limits: 25-125%	10	03/16/22 18:18	VIC	8082A
Surrogate: Tetrachloro-m-xylene	83.2			Limits: 25-125%	10	03/16/22 18:18	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022

Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Lab No : **88841**

Matrix: **Solids**

Sample ID : **ED-DUP02-Sediment**

Sampled: **3/3/2022 0:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	18.8	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88841**

Matrix: **Solids**

Sample ID : **ED-DUP02-Sediment**

Sampled: **3/3/2022 0:00**

Analytical Method:	8082A	Prep Batch(es):	L604816	03/15/22 07:08				
Prep Method:	3546							
Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0167	mg/Kg - dry	0.0167	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1221	<0.0273	mg/Kg - dry	0.0273	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1232	<0.0273	mg/Kg - dry	0.0273	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1242	<0.0273	mg/Kg - dry	0.0273	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1262	<0.0273	mg/Kg - dry	0.0273	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1248	0.333	mg/Kg - dry	0.0273	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1254	<0.0273	mg/Kg - dry	0.0273	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1260	<0.0294	mg/Kg - dry	0.0294	0.0821	10	03/16/22 18:40	VIC	L605192
Aroclor 1268	<0.0273	mg/Kg - dry	0.0273	0.0821	10	03/16/22 18:40	VIC	L605192
Surrogate: Decachlorobiphenyl	41.4			Limits: 25-125%	10	03/16/22 18:40	VIC	8082A
Surrogate: Tetrachloro-m-xylene	79.0			Limits: 25-125%	10	03/16/22 18:40	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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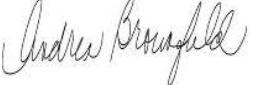
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 10:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.5	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

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Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88842**

Matrix: **Solids**

Sample ID : **ED-01.77-SD01-0.50-1.3**

Sampled: **3/3/2022 10:10**

Analytical Method:	8082A	Prep Batch(es):	L604933	03/15/22 11:13				
Prep Method:	3546							
Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0168	mg/Kg - dry	0.0168	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1221	<0.0275	mg/Kg - dry	0.0275	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1232	<0.0275	mg/Kg - dry	0.0275	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1242	<0.0275	mg/Kg - dry	0.0275	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1262	<0.0275	mg/Kg - dry	0.0275	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1248	0.561	mg/Kg - dry	0.0275	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1254	<0.0275	mg/Kg - dry	0.0275	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1260	<0.0296	mg/Kg - dry	0.0296	0.0828	10	03/16/22 04:56	VIC	L605193
Aroclor 1268	<0.0275	mg/Kg - dry	0.0275	0.0828	10	03/16/22 04:56	VIC	L605193
Surrogate: Decachlorobiphenyl	74.0			Limits: 25-125%	10	03/16/22 04:56	VIC	8082A
Surrogate: Tetrachloro-m-xylene	44.0			Limits: 25-125%	10	03/16/22 04:56	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 10:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	15.3	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88843**

Matrix: **Solids**

Sample ID : **ED-01.77-SD01-1.3-2.1**

Sampled: **3/3/2022 10:15**

Analytical Method:	8082A	Prep Batch(es):	L604933	03/15/22 11:13						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0160		mg/Kg - dry	0.0160	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1221	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1232	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1242	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1262	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1248	1.76		mg/Kg - dry	0.0262	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1254	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1260	<0.0282		mg/Kg - dry	0.0282	0.0787	10	03/16/22 05:16	VIC	L605193	
Aroclor 1268	<0.0262		mg/Kg - dry	0.0262	0.0787	10	03/16/22 05:16	VIC	L605193	
Surrogate: Decachlorobiphenyl	74.5				Limits: 25-125%		10	03/16/22 05:16	VIC	8082A
Surrogate: Tetrachloro-m-xylene	38.7				Limits: 25-125%		10	03/16/22 05:16	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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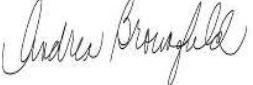
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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 10:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	10.3	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88844**

Matrix: **Solids**

Sample ID : **ED-01.67-SD01-0-0.90**

Sampled: **3/3/2022 10:38**

Analytical Method:	8082A	Prep Batch(es):	L604933	03/15/22 11:13						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0151		mg/Kg - dry	0.0151	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1221	<0.0247		mg/Kg - dry	0.0247	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1232	<0.0247		mg/Kg - dry	0.0247	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1242	<0.0247		mg/Kg - dry	0.0247	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1262	<0.0247		mg/Kg - dry	0.0247	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1248	0.409		mg/Kg - dry	0.0247	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1254	<0.0247		mg/Kg - dry	0.0247	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1260	<0.0266		mg/Kg - dry	0.0266	0.0743	10	03/16/22 05:36	VIC	L605193	
Aroclor 1268	<0.0247		mg/Kg - dry	0.0247	0.0743	10	03/16/22 05:36	VIC	L605193	
Surrogate: Decachlorobiphenyl	80.0			Limits: 25-125%		10	03/16/22 05:36	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	47.7			Limits: 25-125%		10	03/16/22 05:36	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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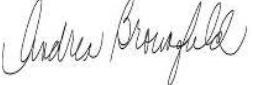
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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 10:43**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	11.1	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Report Date : 03/17/2022
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Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88845**

Matrix: **Solids**

Sample ID : **ED-01.67-SD01-0.90-1.2**

Sampled: **3/3/2022 10:43**

Analytical Method:	8082A	Prep Batch(es):	L604933	03/15/22 11:13				
Prep Method:	3546							
Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0152	mg/Kg - dry	0.0152	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1221	<0.0249	mg/Kg - dry	0.0249	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1232	<0.0249	mg/Kg - dry	0.0249	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1242	<0.0249	mg/Kg - dry	0.0249	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1262	<0.0249	mg/Kg - dry	0.0249	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1248	0.318	mg/Kg - dry	0.0249	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1254	<0.0249	mg/Kg - dry	0.0249	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1260	<0.0268	mg/Kg - dry	0.0268	0.0750	10	03/16/22 05:55	VIC	L605193
Aroclor 1268	<0.0249	mg/Kg - dry	0.0249	0.0750	10	03/16/22 05:55	VIC	L605193
Surrogate: Decachlorobiphenyl	70.5			Limits: 25-125%	10	03/16/22 05:55	VIC	8082A
Surrogate: Tetrachloro-m-xylene	49.2			Limits: 25-125%	10	03/16/22 05:55	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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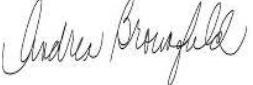
Knoxville , TN 37920

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Report Date : 03/17/2022

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Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 10:48**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	19.0	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88846**

Matrix: **Solids**

Sample ID : **ED-01.67-SD01-1.2-2.0**

Sampled: **3/3/2022 10:48**

Analytical Method:	8082A	Prep Batch(es):	L604933	03/15/22 11:13				
Prep Method:	3546							
Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0167	mg/Kg - dry	0.0167	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1221	<0.0274	mg/Kg - dry	0.0274	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1232	<0.0274	mg/Kg - dry	0.0274	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1242	<0.0274	mg/Kg - dry	0.0274	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1262	<0.0274	mg/Kg - dry	0.0274	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1248	0.136	mg/Kg - dry	0.0274	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1254	<0.0274	mg/Kg - dry	0.0274	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1260	<0.0295	mg/Kg - dry	0.0295	0.0823	10	03/16/22 06:15	VIC	L605193
Aroclor 1268	<0.0274	mg/Kg - dry	0.0274	0.0823	10	03/16/22 06:15	VIC	L605193
Surrogate: Decachlorobiphenyl	53.3			Limits: 25-125%	10	03/16/22 06:15	VIC	8082A
Surrogate: Tetrachloro-m-xylene	32.7			Limits: 25-125%	10	03/16/22 06:15	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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25226

Civil & Environmental Consultants, Inc.
Mr. Garrett Welch
2704 Cherokee Farm Way²Suite 101
Suite 101
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88847**

Matrix: **Aqueous**

Sample ID : **ED-Equipment Blank-03032022**

Sampled: **3/3/2022 12:00**

Analytical Method:	8082A	Prep Batch(es):	L604992	03/15/22 16:00						
Prep Method:	3510C	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.50		µg/L	0.130	0.50	1	03/16/22 00:43	VIC	L605198	
Aroclor 1221	<0.50		µg/L	0.0670	0.50	1	03/16/22 00:43	VIC	L605198	
Aroclor 1232	<0.50		µg/L	0.0670	0.50	1	03/16/22 00:43	VIC	L605198	
Aroclor 1242	<0.50		µg/L	0.0670	0.50	1	03/16/22 00:43	VIC	L605198	
Aroclor 1262	<0.0670		µg/L	0.0670	0.200	1	03/16/22 00:43	VIC	L605198	
Aroclor 1248	<0.50		µg/L	0.0670	0.50	1	03/16/22 00:43	VIC	L605198	
Aroclor 1254	<0.50		µg/L	0.0670	0.50	1	03/16/22 00:43	VIC	L605198	
Aroclor 1260	<0.50		µg/L	0.169	0.50	1	03/16/22 00:43	VIC	L605198	
Aroclor 1268	<0.0670		µg/L	0.0670	0.200	1	03/16/22 00:43	VIC	L605198	
Surrogate: Decachlorobiphenyl	52.0				Limits: 36-116%		1	03/16/22 00:43	VIC	8082A
Surrogate: Tetrachloro-m-xylene	56.4				Limits: 25-123%		1	03/16/22 00:43	VIC	8082A

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Mr. Garrett Welch

2704 Cherokee Farm Way²Suite 101

Suite 101

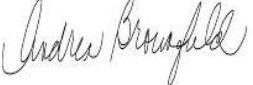
Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022

Received : 03/10/2022


Andrea R. Brownfield
Project manager

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Matrix: **Solids**

Sampled: **3/3/2022 9:24**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	27.1	%			1	03/16/22 17:03	FMM	SW-DRYWT

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results



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Knoxville , TN 37920

Project Elliott Ditch

Information : Project No.:315-052

Report Date : 03/17/2022
Received : 03/10/2022

Report Number : **22-069-0176**

REPORT OF ANALYSIS

Andrea R. Brownfield
Project manager

Lab No : **88848**

Matrix: **Solids**

Sample ID : **ED-01.88-SD01-0.5-1.0**

Sampled: **3/3/2022 9:24**

Analytical Method:	8082A	Prep Batch(es):	L604933	03/15/22 11:13						
Prep Method:	3546	Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0186		mg/Kg - dry	0.0186	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1221	<0.0304		mg/Kg - dry	0.0304	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1232	<0.0304		mg/Kg - dry	0.0304	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1242	<0.0304		mg/Kg - dry	0.0304	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1262	<0.0304		mg/Kg - dry	0.0304	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1248	0.508		mg/Kg - dry	0.0304	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1254	<0.0304		mg/Kg - dry	0.0304	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1260	<0.0327		mg/Kg - dry	0.0327	0.0914	10	03/16/22 06:34	VIC	L605193	
Aroclor 1268	<0.0304		mg/Kg - dry	0.0304	0.0914	10	03/16/22 06:34	VIC	L605193	
Surrogate: Decachlorobiphenyl	63.3			Limits: 25-125%		10	03/16/22 06:34	VIC	8082A	
Surrogate: Tetrachloro-m-xylene	33.8			Limits: 25-125%		10	03/16/22 06:34	VIC	8082A	

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	I	Recovery out of range	J	Estimated value
	MQL	Method Quantitation Limit	Q	RPD >40% dual column results

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.
Project Description: Elliott Ditch
Report No: 22-069-0176

QC Prep:	L604714	QC Analytical Batch(es):	L605191
QC Prep Batch Method:	3546	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank	LRB-L604714	Matrix: SOL
Associated Lab Samples:	88805, 88806, 88807, 88808, 88809, 88810, 88811, 88812, 88813, 88814, 88815, 88816, 88817, 88818, 88819, 88820, 88821	

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0013	0.0013	0.0066	03/16/22 00:48		
Aroclor 1221	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 00:48		
Aroclor 1232	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 00:48		
Aroclor 1242	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 00:48		
Aroclor 1262	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 00:48		
Aroclor 1248	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 00:48		
Aroclor 1254	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 00:48		
Aroclor 1260	mg/Kg	<0.0023	0.0023	0.0066	03/16/22 00:48		
Aroclor 1268	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 00:48		
Decachlorobiphenyl (S)					03/16/22 00:48	47.1	25-125
Tetrachloro-m-xylene (S)					03/16/22 00:48	50.5	25-125

Laboratory Control Sample	LCS-L604714
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Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.101	60.4	50-125
Aroclor 1260	mg/Kg	0.167	0.0934	55.9	50-125
Decachlorobiphenyl (S)				40.7	25-125
Tetrachloro-m-xylene (S)				47.7	25-125

Matrix Spike & Matrix Spike Duplicate	L 88805-MS-L604714	L 88805-MSD-L604714
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Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0136	0.164	0.165	0.202	0.233	123	141	25-150	14.2	30
Aroclor 1260	mg/Kg	<0.0239	0.164	0.165	0.143	0.188	87.1	114	25-150	27.1	30
Decachlorobiphenyl (S)							26.0	35.6	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Prep: L604714

QC Analytical Batch(es): L605191

QC Prep Batch Method: 3546

Analysis Method: 8082A

Analysis Description: Polychlorinated Biphenyls (PCB's)

Matrix Spike & Matrix Spike Duplicate L 88805-MS-L604714 L 88805-MSD-L604714

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Tetrachloro-m-xylene (S)							56.8	59.5	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.
Project Description: Elliott Ditch
Report No: 22-069-0176

QC Prep:	L604816	QC Analytical Batch(es):	L605192
QC Prep Batch Method:	3546	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank	LRB-L604816	Matrix: SOL
Associated Lab Samples: 88822, 88823, 88824, 88825, 88826, 88827, 88828, 88829, 88830, 88831, 88832, 88833, 88834, 88835, 88836, 88837, 88838, 88839, 88840, 88841		

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0013	0.0013	0.0066	03/16/22 09:59		
Aroclor 1221	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 09:59		
Aroclor 1232	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 09:59		
Aroclor 1242	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 09:59		
Aroclor 1262	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 09:59		
Aroclor 1248	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 09:59		
Aroclor 1254	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 09:59		
Aroclor 1260	mg/Kg	<0.0023	0.0023	0.0066	03/16/22 09:59		
Aroclor 1268	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 09:59		
Decachlorobiphenyl (S)					03/16/22 09:59	69.5	25-125
Tetrachloro-m-xylene (S)					03/16/22 09:59	65.5	25-125

Laboratory Control Sample	LCS-L604816
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Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.124	74.2	50-125
Aroclor 1260	mg/Kg	0.167	0.126	75.4	50-125
Decachlorobiphenyl (S)				63.0	25-125
Tetrachloro-m-xylene (S)				58.0	25-125

Matrix Spike & Matrix Spike Duplicate	L 88822-MS-L604816	L 88822-MSD-L604816
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Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0136	0.166	0.163	0.799	0.398	481*	244*	25-150	67.0*	30
Aroclor 1260	mg/Kg	<0.0239	0.166	0.163	0.0865	0.116	52.1	71.1	25-150	29.1	30
Decachlorobiphenyl (S)							29.0	40.8	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Prep: L604816

QC Analytical Batch(es): L605192

QC Prep Batch Method: 3546

Analysis Method: 8082A

Analysis Description: Polychlorinated Biphenyls (PCB's)

Matrix Spike & Matrix Spike Duplicate L 88822-MS-L604816 L 88822-MSD-L604816

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Tetrachloro-m-xylene (S)							64.3	56.6	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.
Project Description: Elliott Ditch
Report No: 22-069-0176

QC Prep:	L604933	QC Analytical Batch(es):	L605193
QC Prep Batch Method:	3546	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank LRB-L604933 Matrix: SOL

Associated Lab Samples: 88842, 88843, 88844, 88845, 88846, 88848

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0013	0.0013	0.0066	03/16/22 03:19		
Aroclor 1221	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 03:19		
Aroclor 1232	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 03:19		
Aroclor 1242	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 03:19		
Aroclor 1262	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 03:19		
Aroclor 1248	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 03:19		
Aroclor 1254	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 03:19		
Aroclor 1260	mg/Kg	<0.0023	0.0023	0.0066	03/16/22 03:19		
Aroclor 1268	mg/Kg	<0.0022	0.0022	0.0066	03/16/22 03:19		
Decachlorobiphenyl (S)					03/16/22 03:19	68.0	25-125
Tetrachloro-m-xylene (S)					03/16/22 03:19	48.6	25-125

Laboratory Control Sample LCS-L604933

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.0992	59.4	50-125
Aroclor 1260	mg/Kg	0.167	0.109	65.2	50-125
Decachlorobiphenyl (S)				64.5	25-125
Tetrachloro-m-xylene (S)				55.5	25-125

Matrix Spike & Matrix Spike Duplicate L 88842-MS-L604933 L 88842-MSD-L604933

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0136	0.164	0.167	0.634	0.782	387*	468*	25-150	20.9	30
Aroclor 1260	mg/Kg	<0.0239	0.164	0.167	0.154	0.121	93.9	72.4	25-150	24.0	30
Decachlorobiphenyl (S)							78.6	67.0	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Prep:	L604933	QC Analytical Batch(es):	L605193
QC Prep Batch Method:	3546	Analysis Method:	8082A

Analysis Description: Polychlorinated Biphenyls (PCB's)

Matrix Spike & Matrix Spike Duplicate L 88842-MS-L604933 L 88842-MSD-L604933

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Tetrachloro-m-xylene (S)							52.2	41.5	25-125		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.
Project Description: Elliott Ditch
Report No: 22-069-0176

QC Prep:	L604992	QC Analytical Batch(es):	L605198
QC Prep Batch Method:	3510C	Analysis Method:	8082A
		Analysis Description:	Polychlorinated Biphenyls (PCB's)

Lab Reagent Blank	LRB-L604992	Matrix: AQU
Associated Lab Samples:	88847	

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	µg/L	<0.130	0.130	0.200	03/15/22 23:05		
Aroclor 1221	µg/L	<0.0670	0.0670	0.200	03/15/22 23:05		
Aroclor 1232	µg/L	<0.0670	0.0670	0.200	03/15/22 23:05		
Aroclor 1242	µg/L	<0.0670	0.0670	0.200	03/15/22 23:05		
Aroclor 1262	µg/L	<0.0670	0.0670	0.200	03/15/22 23:05		
Aroclor 1248	µg/L	<0.0670	0.0670	0.200	03/15/22 23:05		
Aroclor 1254	µg/L	<0.0670	0.0670	0.200	03/15/22 23:05		
Aroclor 1260	µg/L	<0.169	0.169	0.200	03/15/22 23:05		
Aroclor 1268	µg/L	<0.0670	0.0670	0.200	03/15/22 23:05		
Decachlorobiphenyl (S)					03/15/22 23:05	44.8	36-116
Tetrachloro-m-xylene (S)					03/15/22 23:05	50.6	25-123

Laboratory Control Sample & LCSD	LCS-L604992	LCSD-L604992
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Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Aroclor 1016	µg/L	5.00	2.95	3.05	59.0	61.0	44-116	3.3	20.0
Aroclor 1260	µg/L	5.00	3.33	3.54	66.6	70.8	43-129	6.1	20.0
Decachlorobiphenyl (S)					58.0	57.3	36-116		
Tetrachloro-m-xylene (S)					42.5	40.6	25-123		

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Analytical Batch: L604957

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 88722-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	86.8	86.5	0.3	20.0	03/15/22 15:46

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Analytical Batch: L605273

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 90656-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	20.0	21.3	6.2	20.0	03/16/22 16:36

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Analytical Batch: L605274

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 88819-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	11.3	10.9	3.6	20.0	03/16/22 16:45

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Analytical Batch: L605275

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 88829-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	11.8	11.8	0.0	20.0	03/16/22 16:54

Quality Control Data

Client ID: Civil & Environmental Consultants, Inc.

Project Description: Elliott Ditch

Report No: 22-069-0176

QC Analytical Batch: L605276

Analysis Method: SW-DRYWT

Analysis Description: Dry Weight Determination

Duplicate L 88839-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	20.7	21.3	2.8	20.0	03/16/22 17:03

Shipment Receipt Form

Customer Number: **25226**

Customer Name: **Civil & Environmental Consultants, Inc.**

Report Number: **22-069-0176**

Shipping Method

<input type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input type="radio"/> Lab	<input type="radio"/> Other :	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/>
<input type="radio"/> UPS	<input type="radio"/> Client	<input checked="" type="radio"/> Courier	Thermometer ID:	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> T102

Shipping container/coolers uncompromised? Yes No

Number of coolers/boxes received 1

Custody seals intact on shipping container/coolers? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of Custody (COC) present? Yes No

COC agrees with sample label(s)? Yes No

COC properly completed Yes No

Samples in proper containers? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test(s)? Yes No

All samples received within holding time? Yes No

Cooler temperature in compliance? Yes No

Cooler/Samples arrived at the laboratory on ice.
 Samples were considered acceptable as cooling process had begun.

Water - Sample containers properly preserved Yes No N/A

Water - VOA vials free of headspace Yes No N/A

Trip Blanks received with VOAs Yes No N/A

Soil VOA method 5035 – compliance criteria met Yes No N/A

High concentration container (48 hr) Low concentration EnCore samplers (48 hr)

High concentration pre-weighed (methanol -14 d) Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included? Yes No

Comments:

For Laboratory Use Only

Client Name/Address CEC	Client Project Manager/Contact Garrett Welch	Billing Information 2704 Cherokee Farm way, Ste 101 Knoxville, TN 37920	For Laboratory Use Only									
Project Description 315-052 Elliott Ditch - R4-R6	Project/Site Location (City/State) Lafayette, IN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed	Method of Shipment <input type="checkbox"/> Fed Ex <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid P - Product M - Misc								
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email gwelch@cecinc.com	Purchase Order Number ✓	Site/Facility ID # ✓								
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400			(G)rab or (C)omposite	Cool < 10°C Na2S2O3 (Micro Only)								
			Matrix (Refer to Key)	Cool < 6°C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCl pH<2 H3PO4 pH<2 Cool < 6°C Na2S2O3								
Date	Time	Sample Identification	Required Analysis / Preservative								Comments/Notes	
3/2/22	1053	ED-02.99 - SLφ1 - 0-0.5	1	5	G	X						
3/2/22	1105	ED-02.97 - SLφ1 - 0-0.5	1	5	G	X						
3/2/22	1355	ED-02.39 - SLφ1 - 0-0.5	3	5	G	X	X					
3/2/22	1247	ED-02.34 - SLφ1 - 0-0.5	1	5	G	X						
3/2/22	1405	ED-02.48 - SLφ1 - 0-0.5	1	5	G	X						
3/2/22	1445	ED-02.26 - SLφ1 - 0-0.5	1	5	G	X						
3/2/22	1500	ED-02.12 - SLφ1 - 0-0.5	1	5	G	X						
3/2/22	1613	ED-02.08 - SLφ1 - 0-0.5	1	5	G	X						
3/2/22	1631	ED-02.04 - SLφ1 - 0-0.5	1	5	G	X						
Sampled by (Name - Print)												
For Laboratory Use Only												
Ice <input checked="" type="radio"/> Y N	Custody Seals <input checked="" type="radio"/> Y N	Lab Comments										
Blank Cooler Temp 1-53.0		Tinley										
Relinquished by: (SIGNATURE) 			Date	Time	Received by: (SIGNATURE)		Date	Time				
Relinquished by: (SIGNATURE) 			3/9/22	15:15			3/9/22	14:30				
Relinquished by: (SIGNATURE) 			Date	Time	Received by: (SIGNATURE)		Date	Time				
			3/9/22	15:15			3/9/22	14:30				

Client Name/Address CEC		Client Project Manager/Contact Garrett Welch		Billing Information 2704 Cherokee Farm way, Ste 101 Knoxville, TN 37920		For Laboratory Use Only	
Project Description 315-052 Elliott Ditch - R4-R6	Project/Site Location (City/State) Lafayette, IN	RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed	Method of Shipment <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> Courier Other	Method of Shipment <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off	USPS	DW – Drinking Water S – Soil /Solid O – Oil P – Product M – Misc	Matrix Key WW – Wastewater GW – Groundwater
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email g Welch@cecinc.com	Purchase Order Number	Site/Facility ID #			
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.	MS/MSDS PCBS L1A 808 288	(G)rab or (C)omposite	Matrix (Refer to Key)	Required Analysis / Preservative	Comments/Notes
Date	Time	Sample Identification					
3/3/22	0830	ED-01.95-SLφ1-0-0.5	1	S	G	X	
3/3/22	0905	ED-01.85-JLφ1-0-0.5	1	S	G	X	
3/3/22	1005	ED-01.78-SLφ1-0-0.5	1	S	G	X	
3/3/22	1710	ED-03.28-SDφ1-0-0.7	1	S	G	X	
4/29/22	1715	ED-03.28-3Dφ1-0.7-1.4	1	S	G	X	
5/1/22	1019	ED-03.10-SDφ1-0-0.9	1	S	G	X	
5/1/22	1024	ED-03.10-SDφ1-0.9-1.1	1	S	G	X	
5/1/22	1029	ED-03.10-SDφ1-1.1-1.4	1	S	G	X	
5/1/22	1154	ED-02.96-SDφ1-0-0.7	1	S	G	X	
5/1/22		ED-DUPφ1-Sediment	1	S	G	X	
For Laboratory Use Only		Sampled by (Name – Print) Garrett Welch				Client Remarks/Comments	
Ice <input checked="" type="checkbox"/>	Custody Seals <input checked="" type="checkbox"/> Y/N	Lab Comments				Date Time 3/9/22 14:30	Date Time Received by: (SIGNATURE) J. Welch
Blank Cooler Temp 15.3°C 77°F						Date Time 3/9/22 15:15	Date Time Relinquished by: (SIGNATURE) J. Welch
						Date Time 3/10/22 10:05	Date Time Received by: (SIGNATURE) John J. Welch

Client Name/Address CEC		Client Project Manager/Contact Garrett Welch		Billing Information 2704 Cherokee Farm way, Steri nashville, TN 37920		For Laboratory Use Only	
Project Description 315-052 Elliott Ditch - R4-R6	Project/Site Location (City/State) Lafayette, IN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed	Method of Shipment <input type="checkbox"/> Fed Ex <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Other	Method of Shipment <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off	Method of Shipment <input type="checkbox"/> USPS	Matrix Key WW - Wastewater DW - Drinking Water S - Soil O - Oil P - Product M - Misc	
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email gwelch@cecin.com	Purchase Order Number ✓	Site/Facility ID # ✓	Comments/Notes Cool < 10C Na2S2O3 (Micro Only) Cool < 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCl pH<2 H3PO4 pH<2 Cool < 6C Na2S2O3	A B C D E F G H I	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400	Unless noted, all containers per Table II of 40 CFR Part 136.	Number of Containers MS/MSD	Required Analysis / Preservative PCBs via 2802	Comments/Notes			
Date	Time	Sample Identification					
3/1/22	1159	ED-02.94-SD01-0-7-14	1	S G X			
3/1/22	1245	ED-02.94-SD01-0-0-9	1	S G X			
3/1/22	1250	ED-02.94-SD01-0-8-1-6	1	S G X			
3/1/22	1445	ED-02.88-SD01-0-0.85	3	S G X			
3/1/22	1450	ED-02.88-SD01-0-85-1-7	1	S G X			
3/1/22	1455	ED-02.88-SD01-1-7-2-6	1	S G X			
3/1/22	1600	ED-02.74-SD01-0-0-85	1	S G X			
3/1/22	1649	ED-02.63-SD01-0-0.75	1	S G X			
3/2/22	1135	ED-02.59-SD01-0-0-85	1	S G X			
3/2/22	1405	ED-02.48-SD01-0-0-90	1	S G X			
For Laboratory Use Only		Lab Comments		Client Remarks/Comments			
Ice <input checked="" type="radio"/> N	Custody Seals <input checked="" type="radio"/>			Date 3/9/22	Time 12:22	Received by: (Signature) Garrett Welch	
Blank/Cooler Temp 15, 30	Ticker TWELVE			Date 3/9/22	Time 15:15	Received by: (Signature) John Williams	

Client Name/Address CEC		Client Project Manager/Contact Garrett Welch		Billing Information 2704 Cherokee Farm way, Ste 101 Knoxville, TN 37920		For Laboratory Use Only	
Project Description 315-052 Elliott Ditch - R4-R6		Project/Site Location (City/State) Lafayette, IN		RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed		Method of Shipment <input type="checkbox"/> Fed Ex <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Other <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off <input type="checkbox"/> USPS	
Project Number 315-052		Project Manager Phone # 865-440-1655		Project Manager Email gwelch@cecinc.com		Purchase Order Number MS/MSD 208 PCBS L/a	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400				Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.		(G)rab or (C)omposite Matrix (Refer to Key)	
Date	Time	Sample Identification		Required Analysis / Preservative		Comments/Notes	
3/2/22	1405	ED - 02.4B - SDφ1 - 0.7 - 1.4		1 S G X			
3/2/22	1308	ED - 02.3G - SDφ1 - 0 - 0.70		1 S G X			
3/2/22	1313	ED - 02.3G - SDφ1 - 0.70 - 1.4		1 S G X			
3/2/22	1540	ED - 02.17 - SDφ1 - 0 - 0.90		1 S G X			
3/3/22	0919	ED - 01.08 - SDφ1 - 0 - 0.50		1 S G X			
3/3/22	1005	ED - 01.37 - SDφ1 - 0 - 0.50		1 S G X			
3/3/22	1010	ED - 01.47 - SDφ1 - 0.50 - 1.3		1 S G X			
3/3/22	1015	ED - 01.77 - SDφ1 - 1.3 - 2.1		1 S G X			
3/3/22	1038	ED - 01.67 - SDφ1 - 0 - 0.90		3 S G X X			
For Laboratory Use Only		Lab Comments		Sampled by (Name - Print) Garrett Welch		Client Remarks/Comments	
<input checked="" type="checkbox"/> Y/N	Custody Seals Y/N			Relinquished by: (SIGNATURE) JLW		Date Time 3/1/22	Received by: (SIGNATURE) JLW
Blank Cooler Temp -513.0° T/21m				Relinquished by: (SIGNATURE) ES/S		Date Time 3/1/22 ES/S	Received by: (SIGNATURE) JLW
				Relinquished by: (SIGNATURE) ES/S		Date Time 3/1/22 ES/S	Received by: (SIGNATURE) JLW

For Laboratory Use Only

Client Name/Address CEC		Client Project Manager/Contact Garrett Welch		Billing Information 2704 Cherokee Farm way, Ste 101 Knoxville, TN 37920		Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc	
Project Description 315-052 Elliott Ditch - R4-R6	Project/Site Location (City/State) Lafayette, IN	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed	Method of Shipment <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> Courier <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off Other	Purchase Order Number qu Welch@cecinc.com	Site/Facility ID # A	Cool < 10°C Na2SO3 (Micro Only) Cool <= 6°C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCl pH<2 H3PO4 pH<2 Cool <= 6°C Na2SO3	
Project Number 315-052	Project Manager Phone # 865-440-1655	Project Manager Email	(G)rab or (C)omposite	Required Analysis / Preservative	Comments/Notes		
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.	Matrix (Refer to Key)				
Date	Time	Sample Identification					
3/3/22	10AM	ED-01.67 - SD01-0.90-1.2	1	S	G	X	
3/3/22	1048	ED-01.67 - SD01-1.2 - 2.0	1	S	G	X	
3/3/22	1200	ED-Equipment Bleach-05032021	1	W	G	X	
3/3/22	0924	ED-01.88 - SD01-0.5-1.0	1	S	G	X	
				<i>Signature</i> 3/9/22			
Sampled by (Name - Print) Garrett Welch							
Client Remarks/Comments							
For Laboratory Use Only		Lab Comments					
Ice Y/N	Custody Seals Y/N			Received by: (SIGNATURE) J. H. H.	Date 3/9/22	Time 14:30	
Relinquished by: (SIGNATURE) J. H. H.				Received by: (SIGNATURE) J. H. H.	Date 3/10/2022	Time 15:41:45	
Relinquished by: (SIGNATURE) J. H. H.				Received by: (SIGNATURE) J. H. H.	Date 3/10/2022	Time 15:15	
Relinquished by: (SIGNATURE) J. H. H.				Received by: (SIGNATURE) J. H. H.	Date 3/10/2022	Time 15:05	

APPENDIX III
LABORATORY ANALYTICAL REPORTS

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
 Project Number: 315-052
 Field Location ID: ED-01-67-SD01
 Core Type: Vibecore - Mini, 2" polycarbonate
 Field Remarks: - tubing
 Northing (E): Recorded; see project Figures
 Easting (N): Recorded; see project Figures
 Cored By: Garrett Welch
 Cored Date: 3/3/22
 Described By: Garrett Welch
 Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
0 - 0.9	0.9	100%
0.9 - 1.2	0.3	100%
1.2 - 2.0	0.8	100%

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log		Version 1.2, 1/27/16																																																																		
Client: Arconic Lafayette	Location ID: ED-O1-67-SD01-0-0-1	Interval: 0.0 ft to 6.9 ft																																																																		
Site Name: Elliott Ditch R4-R6																																																																				
Project Name: 315 - 057																																																																				
Task #: 0002																																																																				
Log date: 3/3/22																																																																				
<p>Lab Data</p> <table border="1"> <tr> <td>Duplicate? <input type="checkbox"/></td> <td>Grav? <input checked="" type="checkbox"/></td> </tr> <tr> <td>Composite? <input type="checkbox"/></td> <td>Melt? <input checked="" type="checkbox"/></td> </tr> <tr> <td></td> <td>Air <input type="checkbox"/></td> </tr> <tr> <td></td> <td>Water <input type="checkbox"/></td> </tr> <tr> <td colspan="2">Constituents:</td> </tr> <tr> <td colspan="2">3</td> </tr> </table>			Duplicate? <input type="checkbox"/>	Grav? <input checked="" type="checkbox"/>	Composite? <input type="checkbox"/>	Melt? <input checked="" type="checkbox"/>		Air <input type="checkbox"/>		Water <input type="checkbox"/>	Constituents:		3																																																							
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<p>Field Personnel</p> <table border="1"> <tr> <td>Labeled By: Conradt</td> <td>Sample By: Conradt</td> </tr> <tr> <td>Date Entry By: <input checked="" type="checkbox"/></td> <td>Date Entered: <input type="checkbox"/></td> </tr> <tr> <td colspan="2">Comments:</td> </tr> </table>			Labeled By: Conradt	Sample By: Conradt	Date Entry By: <input checked="" type="checkbox"/>	Date Entered: <input type="checkbox"/>	Comments:																																																													
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<p>Other Characteristics</p> <table border="1"> <tr> <td>Texture</td> <td>Structure</td> <td>Grade</td> </tr> <tr> <td>7/22</td> <td></td> <td></td> </tr> <tr> <td> <input checked="" type="checkbox"/> Granular <input checked="" type="checkbox"/> Subangular Blocky <input checked="" type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Single Grain <input checked="" type="checkbox"/> Massive <input type="checkbox"/> Other </td> <td> <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong </td> <td> <input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal </td> </tr> <tr> <td>USDA 7 grain: Sand</td> <td>USCS Texture: SP</td> <td>Wood? <input checked="" type="checkbox"/> % <input type="checkbox"/></td> </tr> <tr> <td>Substrates? <input type="checkbox"/></td> <td>Dark fragments? <input type="checkbox"/></td> <td>Shells? <input type="checkbox"/></td> </tr> <tr> <td>Stabilizers? <input type="checkbox"/></td> <td>Color? <input type="checkbox"/></td> <td>Sublayers? <input type="checkbox"/></td> </tr> <tr> <td></td> <td>Very Fine <input type="checkbox"/> Fine <input type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse <input type="checkbox"/></td> <td>0.05-0.1% <input type="checkbox"/> 0.1-0.2% <input type="checkbox"/> 0.2-0.5% <input type="checkbox"/> 0.5% <input type="checkbox"/></td> </tr> <tr> <td></td> <td>Fine Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Cobbles <input type="checkbox"/></td> <td>Notes:</td> </tr> <tr> <td></td> <td>Rocks? <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Plasticity</td> <td></td> </tr> <tr> <td></td> <td>No Plastic <input checked="" type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Color?</td> <td></td> </tr> <tr> <td></td> <td>Shallow <input type="checkbox"/> Interbedded <input type="checkbox"/> Strong <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Color? <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Stabilizers? <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Dark fragments? <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Shells? <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Substrates? <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Color? <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>0.05-0.1% <input type="checkbox"/> 0.1-0.2% <input type="checkbox"/> 0.2-0.5% <input type="checkbox"/> 0.5% <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Notes:</td> <td></td> </tr> <tr> <td></td> <td>USDA Texture</td> <td></td> </tr> </table>			Texture	Structure	Grade	7/22			<input checked="" type="checkbox"/> Granular <input checked="" type="checkbox"/> Subangular Blocky <input checked="" type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Single Grain <input checked="" type="checkbox"/> Massive <input type="checkbox"/> Other	<input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong	<input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal	USDA 7 grain: Sand	USCS Texture: SP	Wood? <input checked="" type="checkbox"/> % <input type="checkbox"/>	Substrates? <input type="checkbox"/>	Dark fragments? <input type="checkbox"/>	Shells? <input type="checkbox"/>	Stabilizers? <input type="checkbox"/>	Color? <input type="checkbox"/>	Sublayers? <input type="checkbox"/>		Very Fine <input type="checkbox"/> Fine <input type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse <input type="checkbox"/>	0.05-0.1% <input type="checkbox"/> 0.1-0.2% <input type="checkbox"/> 0.2-0.5% <input type="checkbox"/> 0.5% <input type="checkbox"/>		Fine Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Cobbles <input type="checkbox"/>	Notes:		Rocks? <input type="checkbox"/>			Plasticity			No Plastic <input checked="" type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic <input type="checkbox"/>			Color?			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	0.05-0.1% <input type="checkbox"/> 0.1-0.2% <input type="checkbox"/> 0.2-0.5% <input type="checkbox"/> 0.5% <input type="checkbox"/>																																																																			
	Notes:																																																																			
	USDA Texture																																																																			

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

TETRATECH

Sediment Log Version 1.1/2016
Page 2 of 3

Client: Arcanic Lafayette	Location ID: ED-O1-G7 - SD01-6.9-1.2	Interval: 0.9 to 1.2 ft
Site Name: Elliott Ditch BY-R6	Layer: 2	Gap: <input type="text"/>
Project Name: 315-C52	USDA Color: <input type="text"/>	Color: <input type="text"/>
Task #: 000 Z	Texture: Sand	Structure: Well Graded <input type="text"/>
Log Date: 3/3/22	USCS Texture: S	Grade: <input type="text"/>
Lab Data	Plasticity: Non-plastic <input checked="" type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic <input type="checkbox"/>	Other Characteristics: Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pellets <input type="checkbox"/> Charcoal <input type="checkbox"/>
Debris? <input type="checkbox"/> Glue? <input checked="" type="checkbox"/> Composite? <input type="checkbox"/>	Matter: Sediment <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/>	Roots? <input type="checkbox"/> <15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 35-50% <input type="checkbox"/> 60-80% <input type="checkbox"/> >80% <input type="checkbox"/>
# of Contaminants: 1	Priority: Urgent (1) <input type="checkbox"/> Standard (2) <input checked="" type="checkbox"/> At Risk (3) <input type="checkbox"/> As Noticed (4) <input type="checkbox"/>	Odor? <input type="checkbox"/> Petrochemical <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Other <input type="checkbox"/>
Field Personnel	Entered By: Grace H. Welch <input type="checkbox"/> Same as above <input checked="" type="checkbox"/>	Substrates? <input type="checkbox"/> <0.05 in / Unpct <input type="checkbox"/> 0.05-0.1 in <input type="checkbox"/> 0.1-0.2 in <input type="checkbox"/> 0.2-0.5 in <input type="checkbox"/> >0.5 in <input type="checkbox"/> USDA Texture <input type="checkbox"/>
Date Entry By: <input type="text"/>	Internal Remarks: 3/3/22 1043	Notes: <input type="checkbox"/> Location? <input type="checkbox"/> Sample ID? <input type="checkbox"/> <input type="text"/>

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log

Version 12, 1/20/16

Client:	Arcanic Lafayette			Location ID:	ED - 0167 - 55001 - 12-20			Interval:	1.1 ft to 2.0 ft		
Site Name:	Elliott Ditch Ry-RG			Layer:	3			Gap:	<input type="text"/>		
Project Name:	355-052			Color:	<input type="text"/>			Structure:			
Task #:	0002			Sediment Color:	7.5YR 3/3			Type:	<input type="checkbox"/> Granular <input type="checkbox"/> Subangular Blocky <input type="checkbox"/> Angular Blocky <input type="checkbox"/> Single Grains <input type="checkbox"/> Massive <input type="checkbox"/> Other: <input type="checkbox"/> Well graded 		
Log Date:	3/3/22			USDA Texture:	Sand			Grade:	<input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong		
Lab Data				USCS Texture:	Suu			Other Characteristics:	<input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal <input type="checkbox"/> Few <input type="checkbox"/> Common <input checked="" type="checkbox"/> Many <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse <input type="checkbox"/> Fine Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Coarse Gravel <input type="checkbox"/> Cobble <input type="checkbox"/> <15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 35-60% <input type="checkbox"/> 60-80% <input type="checkbox"/> >80% <input type="checkbox"/> Sand <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Park Regrade <input type="checkbox"/> % Wood		
Duplicate?	<input type="checkbox"/>	Glass?	<input checked="" type="checkbox"/>	Composite?	<input type="checkbox"/>	Mark:	<input checked="" type="checkbox"/> Sediment	Field Personnel:	<input type="checkbox"/> Soil <input type="checkbox"/> Hydrogeology <input type="checkbox"/> Strong		
Task #:	<input type="checkbox"/>	AI:	<input type="checkbox"/>	Date:	<input type="checkbox"/>	Log Date:	<input type="checkbox"/>	Entered By:	<input type="checkbox"/> Geotech <input checked="" type="checkbox"/> Welch <input type="checkbox"/> Same as above		
Log Date:	<input type="checkbox"/>	WATER:	<input type="checkbox"/>	Comments:	<input type="checkbox"/> 1	Notes:	<input type="checkbox"/>	Sample Remarks:	<input type="checkbox"/> <0.6 ft Average Color <input type="checkbox"/> 0.05-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.5 ft <input type="checkbox"/> >0.5 ft <input type="checkbox"/> USDA Texture		
				Internal Remarks:	3/3/22			Layer:	1048		
				Location?	<input type="checkbox"/>			Location?	<input checked="" type="checkbox"/>		
				772				772			

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
 Project Number: 315-052
 Field Location ID: ED-01-74-SD01
 Core Type: Vibecore - Mini, 2" polycarbonate
 Field Remarks: — tubing
 Northing (ft): Recorded; see project Figures
 Easting (ft): Recorded; see project Figures
 Cored By: Garrett Welch
 Cored Date: 03/03/22
 Described By: Garrett Welch
 Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
0 - 1.2	0 - 1.0	83%
0 - 0.5	0.5	100%
0.5 - 1.3	0.8	100%
1.3 - 2.1	0.8	100%

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log		Version 1.2, 1/20/16														
Client: Arcanic Lafayette	Location ID: ED - 01-77 - SD01 - 0-0.5	Interval: 0.0 ft to 0.5 ft														
Site Name: Elliott Ditch R4-R6																
Project Name: 315 - 052																
Task #: 0002																
Log Date: 3/3/22																
<p>Lab Data</p> <table border="1"> <tr> <td>Duplicate? <input type="checkbox"/></td> <td>Composite? <input checked="" type="checkbox"/></td> </tr> <tr> <td>Grain Size? <input type="checkbox"/></td> <td>Mineralogy? <input type="checkbox"/></td> </tr> <tr> <td>Constituents? <input type="checkbox"/></td> <td>Other? <input type="checkbox"/></td> </tr> </table>			Duplicate? <input type="checkbox"/>	Composite? <input checked="" type="checkbox"/>	Grain Size? <input type="checkbox"/>	Mineralogy? <input type="checkbox"/>	Constituents? <input type="checkbox"/>	Other? <input type="checkbox"/>								
Duplicate? <input type="checkbox"/>	Composite? <input checked="" type="checkbox"/>															
Grain Size? <input type="checkbox"/>	Mineralogy? <input type="checkbox"/>															
Constituents? <input type="checkbox"/>	Other? <input type="checkbox"/>															
<p>Texture</p> <table border="1"> <tr> <td>USDA Texture: Lumpy sand</td> <td>USCS Texture: SM</td> </tr> <tr> <td>Plasticity:</td> <td></td> </tr> <tr> <td> <input checked="" type="checkbox"/> Non-plastic <input type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic </td> <td></td> </tr> </table>			USDA Texture: Lumpy sand	USCS Texture: SM	Plasticity:		<input checked="" type="checkbox"/> Non-plastic <input type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic									
USDA Texture: Lumpy sand	USCS Texture: SM															
Plasticity:																
<input checked="" type="checkbox"/> Non-plastic <input type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic																
<p>Structure</p> <table border="1"> <tr> <td>Type:</td> <td>Granular Subangular Blocky Angular Blocky Single Grain Massive Other: <input type="text"/></td> </tr> <tr> <td>Strength:</td> <td><input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong</td> </tr> <tr> <td>Shrinkage:</td> <td><input type="checkbox"/> No Shrinkage <input type="checkbox"/> Shrinkage</td> </tr> </table>			Type:	Granular Subangular Blocky Angular Blocky Single Grain Massive Other: <input type="text"/>	Strength:	<input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong	Shrinkage:	<input type="checkbox"/> No Shrinkage <input type="checkbox"/> Shrinkage								
Type:	Granular Subangular Blocky Angular Blocky Single Grain Massive Other: <input type="text"/>															
Strength:	<input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong															
Shrinkage:	<input type="checkbox"/> No Shrinkage <input type="checkbox"/> Shrinkage															
<p>Other Characteristics</p> <table border="1"> <tr> <td>Roots?</td> <td><input type="checkbox"/> Few <input type="checkbox"/> Common <input type="checkbox"/> Many</td> </tr> <tr> <td>Rocks?</td> <td><input type="checkbox"/> <15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 30-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90%</td> </tr> <tr> <td>Organic?</td> <td><input type="checkbox"/> No Organic <input checked="" type="checkbox"/> Organic</td> </tr> <tr> <td>Water?</td> <td><input type="checkbox"/> Air <input type="checkbox"/> Water</td> </tr> <tr> <td>Wood %:</td> <td><input type="checkbox"/> 0% <input checked="" type="checkbox"/> 1% <input type="checkbox"/> 2% <input type="checkbox"/> 3% <input type="checkbox"/> 4% <input type="checkbox"/> 5% <input type="checkbox"/> 6% <input type="checkbox"/> 7% <input type="checkbox"/> 8% <input type="checkbox"/> 9% <input type="checkbox"/> 10% <input type="checkbox"/> 11% <input type="checkbox"/> 12% <input type="checkbox"/> 13% <input type="checkbox"/> 14% <input type="checkbox"/> 15% <input type="checkbox"/> 16% <input type="checkbox"/> 17% <input type="checkbox"/> 18% <input type="checkbox"/> 19% <input type="checkbox"/> 20% <input type="checkbox"/> 21% <input type="checkbox"/> 22% <input type="checkbox"/> 23% <input type="checkbox"/> 24% <input type="checkbox"/> 25% <input type="checkbox"/> 26% <input type="checkbox"/> 27% <input type="checkbox"/> 28% <input type="checkbox"/> 29% <input type="checkbox"/> 30% <input type="checkbox"/> 31% <input type="checkbox"/> 32% <input type="checkbox"/> 33% <input type="checkbox"/> 34% <input type="checkbox"/> 35% <input type="checkbox"/> 36% <input type="checkbox"/> 37% <input type="checkbox"/> 38% <input type="checkbox"/> 39% <input type="checkbox"/> 40% <input type="checkbox"/> 41% <input type="checkbox"/> 42% <input type="checkbox"/> 43% <input type="checkbox"/> 44% <input type="checkbox"/> 45% <input type="checkbox"/> 46% <input type="checkbox"/> 47% <input type="checkbox"/> 48% <input type="checkbox"/> 49% <input type="checkbox"/> 50% <input type="checkbox"/> 51% <input type="checkbox"/> 52% <input type="checkbox"/> 53% <input type="checkbox"/> 54% <input type="checkbox"/> 55% <input type="checkbox"/> 56% <input type="checkbox"/> 57% <input type="checkbox"/> 58% <input type="checkbox"/> 59% <input type="checkbox"/> 60% <input type="checkbox"/> 61% <input type="checkbox"/> 62% <input type="checkbox"/> 63% <input type="checkbox"/> 64% <input type="checkbox"/> 65% <input type="checkbox"/> 66% <input type="checkbox"/> 67% <input type="checkbox"/> 68% <input type="checkbox"/> 69% <input type="checkbox"/> 70% <input type="checkbox"/> 71% <input type="checkbox"/> 72% <input type="checkbox"/> 73% <input type="checkbox"/> 74% <input type="checkbox"/> 75% <input type="checkbox"/> 76% <input type="checkbox"/> 77% <input type="checkbox"/> 78% <input type="checkbox"/> 79% <input type="checkbox"/> 80% <input type="checkbox"/> 81% <input type="checkbox"/> 82% <input type="checkbox"/> 83% <input type="checkbox"/> 84% <input type="checkbox"/> 85% <input type="checkbox"/> 86% <input type="checkbox"/> 87% <input type="checkbox"/> 88% <input type="checkbox"/> 89% <input type="checkbox"/> 90% <input type="checkbox"/> 91% <input type="checkbox"/> 92% <input type="checkbox"/> 93% <input type="checkbox"/> 94% <input type="checkbox"/> 95% <input type="checkbox"/> 96% <input type="checkbox"/> 97% <input type="checkbox"/> 98% <input type="checkbox"/> 99% <input type="checkbox"/> 100%</td> </tr> <tr> <td>Substances?</td> <td><input type="checkbox"/> Soluble <input type="checkbox"/> Insoluble <input type="checkbox"/> Organic <input type="checkbox"/> Inorganic <input type="checkbox"/> Colloidal</td> </tr> <tr> <td>Notes:</td> <td><input type="text"/></td> </tr> </table>			Roots?	<input type="checkbox"/> Few <input type="checkbox"/> Common <input type="checkbox"/> Many	Rocks?	<input type="checkbox"/> <15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 30-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90%	Organic?	<input type="checkbox"/> No Organic <input checked="" type="checkbox"/> Organic	Water?	<input type="checkbox"/> Air <input type="checkbox"/> Water	Wood %:	<input type="checkbox"/> 0% <input checked="" type="checkbox"/> 1% <input type="checkbox"/> 2% <input type="checkbox"/> 3% <input type="checkbox"/> 4% <input type="checkbox"/> 5% <input type="checkbox"/> 6% <input type="checkbox"/> 7% <input type="checkbox"/> 8% <input type="checkbox"/> 9% <input type="checkbox"/> 10% <input type="checkbox"/> 11% <input type="checkbox"/> 12% <input type="checkbox"/> 13% <input type="checkbox"/> 14% <input type="checkbox"/> 15% <input type="checkbox"/> 16% <input type="checkbox"/> 17% <input type="checkbox"/> 18% <input type="checkbox"/> 19% <input type="checkbox"/> 20% <input type="checkbox"/> 21% <input type="checkbox"/> 22% <input type="checkbox"/> 23% <input 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type="checkbox"/> 58% <input type="checkbox"/> 59% <input type="checkbox"/> 60% <input type="checkbox"/> 61% <input type="checkbox"/> 62% <input type="checkbox"/> 63% <input type="checkbox"/> 64% <input type="checkbox"/> 65% <input type="checkbox"/> 66% <input type="checkbox"/> 67% <input type="checkbox"/> 68% <input type="checkbox"/> 69% <input type="checkbox"/> 70% <input type="checkbox"/> 71% <input type="checkbox"/> 72% <input type="checkbox"/> 73% <input type="checkbox"/> 74% <input type="checkbox"/> 75% <input type="checkbox"/> 76% <input type="checkbox"/> 77% <input type="checkbox"/> 78% <input type="checkbox"/> 79% <input type="checkbox"/> 80% <input type="checkbox"/> 81% <input type="checkbox"/> 82% <input type="checkbox"/> 83% <input type="checkbox"/> 84% <input type="checkbox"/> 85% <input type="checkbox"/> 86% <input type="checkbox"/> 87% <input type="checkbox"/> 88% <input type="checkbox"/> 89% <input type="checkbox"/> 90% <input type="checkbox"/> 91% <input type="checkbox"/> 92% <input type="checkbox"/> 93% <input type="checkbox"/> 94% <input type="checkbox"/> 95% <input type="checkbox"/> 96% <input type="checkbox"/> 97% <input type="checkbox"/> 98% <input type="checkbox"/> 99% <input type="checkbox"/> 100%	Substances?	<input type="checkbox"/> Soluble <input type="checkbox"/> Insoluble <input type="checkbox"/> Organic <input type="checkbox"/> Inorganic <input type="checkbox"/> Colloidal	Notes:	<input type="text"/>
Roots?	<input type="checkbox"/> Few <input type="checkbox"/> Common <input type="checkbox"/> Many															
Rocks?	<input type="checkbox"/> <15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 30-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90%															
Organic?	<input type="checkbox"/> No Organic <input checked="" type="checkbox"/> Organic															
Water?	<input type="checkbox"/> Air <input type="checkbox"/> Water															
Wood %:	<input type="checkbox"/> 0% <input checked="" type="checkbox"/> 1% <input type="checkbox"/> 2% <input type="checkbox"/> 3% <input type="checkbox"/> 4% <input type="checkbox"/> 5% <input type="checkbox"/> 6% <input type="checkbox"/> 7% <input type="checkbox"/> 8% <input type="checkbox"/> 9% <input type="checkbox"/> 10% <input type="checkbox"/> 11% <input type="checkbox"/> 12% <input type="checkbox"/> 13% <input type="checkbox"/> 14% <input type="checkbox"/> 15% <input type="checkbox"/> 16% <input type="checkbox"/> 17% <input type="checkbox"/> 18% <input type="checkbox"/> 19% <input type="checkbox"/> 20% <input type="checkbox"/> 21% <input type="checkbox"/> 22% <input type="checkbox"/> 23% <input type="checkbox"/> 24% <input type="checkbox"/> 25% <input type="checkbox"/> 26% <input type="checkbox"/> 27% <input type="checkbox"/> 28% <input type="checkbox"/> 29% <input type="checkbox"/> 30% <input type="checkbox"/> 31% <input type="checkbox"/> 32% <input type="checkbox"/> 33% <input type="checkbox"/> 34% <input type="checkbox"/> 35% <input type="checkbox"/> 36% <input type="checkbox"/> 37% <input type="checkbox"/> 38% <input type="checkbox"/> 39% <input type="checkbox"/> 40% <input type="checkbox"/> 41% <input type="checkbox"/> 42% <input type="checkbox"/> 43% <input type="checkbox"/> 44% <input type="checkbox"/> 45% <input type="checkbox"/> 46% <input type="checkbox"/> 47% <input type="checkbox"/> 48% <input type="checkbox"/> 49% <input type="checkbox"/> 50% <input type="checkbox"/> 51% <input type="checkbox"/> 52% <input type="checkbox"/> 53% <input type="checkbox"/> 54% <input type="checkbox"/> 55% <input type="checkbox"/> 56% <input type="checkbox"/> 57% <input type="checkbox"/> 58% <input type="checkbox"/> 59% <input type="checkbox"/> 60% <input type="checkbox"/> 61% <input type="checkbox"/> 62% <input type="checkbox"/> 63% <input type="checkbox"/> 64% <input type="checkbox"/> 65% <input type="checkbox"/> 66% <input type="checkbox"/> 67% <input type="checkbox"/> 68% <input type="checkbox"/> 69% <input type="checkbox"/> 70% <input type="checkbox"/> 71% <input type="checkbox"/> 72% <input type="checkbox"/> 73% <input type="checkbox"/> 74% <input type="checkbox"/> 75% <input type="checkbox"/> 76% <input type="checkbox"/> 77% <input type="checkbox"/> 78% <input type="checkbox"/> 79% <input type="checkbox"/> 80% <input type="checkbox"/> 81% <input type="checkbox"/> 82% <input type="checkbox"/> 83% <input type="checkbox"/> 84% <input type="checkbox"/> 85% <input type="checkbox"/> 86% <input type="checkbox"/> 87% <input type="checkbox"/> 88% <input type="checkbox"/> 89% <input type="checkbox"/> 90% <input type="checkbox"/> 91% <input type="checkbox"/> 92% <input type="checkbox"/> 93% <input type="checkbox"/> 94% <input type="checkbox"/> 95% <input type="checkbox"/> 96% <input type="checkbox"/> 97% <input type="checkbox"/> 98% <input type="checkbox"/> 99% <input type="checkbox"/> 100%															
Substances?	<input type="checkbox"/> Soluble <input type="checkbox"/> Insoluble <input type="checkbox"/> Organic <input type="checkbox"/> Inorganic <input type="checkbox"/> Colloidal															
Notes:	<input type="text"/>															
<p>Field Personnel</p> <table border="1"> <tr> <td>Logged By: G. Scott</td> <td>Internal Remarks: <input type="text"/></td> </tr> <tr> <td>Date Entry By: Same as above</td> <td></td> </tr> </table>			Logged By: G. Scott	Internal Remarks: <input type="text"/>	Date Entry By: Same as above											
Logged By: G. Scott	Internal Remarks: <input type="text"/>															
Date Entry By: Same as above																
<p>Sample Remarks</p> <table border="1"> <tr> <td>Duplicate? <input type="checkbox"/></td> <td>Date: 3/3/22</td> </tr> <tr> <td>ED-DUP#2 - Sediment</td> <td>ED: 1005</td> </tr> </table>			Duplicate? <input type="checkbox"/>	Date: 3/3/22	ED-DUP#2 - Sediment	ED: 1005										
Duplicate? <input type="checkbox"/>	Date: 3/3/22															
ED-DUP#2 - Sediment	ED: 1005															

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log

Version 1.2, 1/20/16

Client: Arcanis Lafayette		Location ID: ED-01-37-SD01-0-5-1-3	Interval: 0.5 ft to 1.3 ft	Page <u>2</u> of <u>2</u>
Site Name: Elliott Ditch Ry-RG		Layer: <input type="text"/> 2	Gap: <input type="text"/> ft	
Project Name: 315 - 052		Lab Data	Substrate Color: <input type="text"/> 25Y 2/2	
Task #: 0002		Color:	Surficial Color: <input type="text"/>	
Log Date:		Texture	Type	Structure
		USDA Texture: Loamy Sand	Gravel: <input type="checkbox"/> Subangular Blocky <input type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Single Grain <input type="checkbox"/> Massive <input type="checkbox"/> Other: <input type="text"/>	Grade: Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/>
		USCS Texture: SM		
		Plasticity		Other Characteristics
		Matrix? <input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Other: <input type="text"/> 1		Roots? <input type="checkbox"/> Few <input type="checkbox"/> Common <input type="checkbox"/> Many
		# of Confidence: <input type="text"/>		Fine Gravel: <input type="checkbox"/> Very Fine <input type="checkbox"/> Fine <input type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse
		Priority: Urgent (1) <input type="checkbox"/> Standard (2) <input checked="" type="checkbox"/> As Amt (3) <input type="checkbox"/> As Required (4)		Wood? <input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood
		Composite? <input type="checkbox"/>		Smooth: <input type="checkbox"/> Smooth <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal
		Lab Data		Shells? <input type="checkbox"/> Shells Fragments? <input type="checkbox"/> % <input type="text"/>
		Duplicate? <input type="checkbox"/> Gray? <input checked="" type="checkbox"/> Composite? <input type="checkbox"/>		Substrates? <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Sand <input type="checkbox"/> Gravel <input type="checkbox"/> Organic <input type="checkbox"/> Color: <input type="text"/>
		# of Confidence: <input type="text"/>		Roots? <input type="checkbox"/> <15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 35-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90%
		Field Personnel		Order? <input type="checkbox"/> Porohemispherical <input type="checkbox"/> Spherical <input type="checkbox"/> Foliated <input type="checkbox"/> String <input type="checkbox"/> Other: <input type="text"/>
		Logged By: Garrett Welch		Notes: <input type="checkbox"/> Location? <input type="checkbox"/> Sampling Method? <input checked="" type="checkbox"/> Depth? <input type="checkbox"/>
		Date Entry By: Same as above		
		Internal Remarks	3/3/22	1610
		Sample Remarks		

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log

Version 12, 1/29/16

Client: Aronnic Lafayette		Location ID: ED-O1337-SD01-1.3-7.1		Interval: 1.3 ft to 2.1 ft	
Site Name: Elliott Ditch Ry-Rc		Layer: 3		Gap: <input type="text"/>	
Project Name: 35-052		Color: <input type="text"/>		Grade: <input type="text"/>	
Task #: 0002		Sediment Color: 2.5 Y 4/2		Structure: well graded	
Log Date: 3/3/22		USDA Texture: Loamy sand		Other Characteristics:	
Lab Date: <input type="text"/>		USCS Texture: SM		Type: Granular Subangular Blocky Angular Blocky Single Granular Massive Other: <input type="text"/>	
GrainSize? <input type="checkbox"/>		Texture:		Root? <input type="checkbox"/> Common <input checked="" type="checkbox"/> Many	
Composite? <input type="checkbox"/>		Plasticity:		Roots? <input checked="" type="checkbox"/> <1% <input type="checkbox"/> 16-38% <input type="checkbox"/> 35-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90%	
Matrix: <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water		# of Samples: 1		Soil? <input type="checkbox"/> Non-plastic <input checked="" type="checkbox"/> Shiny Plastic <input type="checkbox"/> Moderate Plastic <input type="checkbox"/> Very Plastic	
Priority: Urgent (1) <input type="checkbox"/> Standard (2) <input checked="" type="checkbox"/> As Available (3) <input type="checkbox"/> As Needed (4)		Field Personnel:		Roots? <input checked="" type="checkbox"/> Fine Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Coarse Gravel <input type="checkbox"/> Cobbles	
Logged By: Grace H. Welsh		Data Entry By: Same as above <input type="checkbox"/> <input checked="" type="checkbox"/> Different		Plant? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> % Wood: 0 %	
Notes: <input type="text"/>		Sample Remarks: 3/3/22		Notes: 0.15	
Color? <input type="checkbox"/> Same as above <input checked="" type="checkbox"/>		Substrate? <input checked="" type="checkbox"/> <16ft None <input type="checkbox"/> 0.05-0.1ft <input type="checkbox"/> 0.1-0.2ft <input type="checkbox"/> 0.2-0.5ft <input type="checkbox"/> >0.5ft		Notes: <input type="checkbox"/> Same as above <input checked="" type="checkbox"/>	
Petrochemical? <input type="checkbox"/> Sulfer <input type="checkbox"/> Other		USDA Texture: <input type="text"/>		Notes: <input type="checkbox"/>	
Turf? <input type="checkbox"/>		Internal Remarks: <input type="text"/>		Notes: <input type="checkbox"/>	

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6 Cored By: Garrett Welch
Project Number: 315-052 Cored Date: 3/3/22
Field Location ID: ED -01.88 -SD01 Described By: Garrett Welch
Core Type: Vibecore - Mini, 2" polycarbonate Described Date: See cored date
Field Remarks: — tubing
Northing (ft): Recorded; see project Figures
Easting (ft):

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Reviewed By _____ **Date** _____

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Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log Version 1.2, 1/20/16

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Client: Arconic Lafayette	Location ID: ED - 01-088-Sub 01-0-0	Interval: 0.0 to 0.5 ft
Site Name: Elliott Ditch RY-Rc	Layer: 1	Gap: <input type="text"/>
Project Name: 315 - OSZ	Lab Data	Color: <input type="text"/>
Task #: 0002	Texture	Structure: <input type="text"/>
Log Date: 3/3/22	USDA Texture: ZSY 3/2	Type: Granular Subangular Blocky Angular Blocky Stringy Grain Massive Other: <input type="text"/>
	USDA Texture: SM	Grade: Weak Moderate Strong: <input type="text"/>
	Plasticity	Other Characteristics: <input type="text"/>
	Matrix: <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water	Roots? <input type="checkbox"/> Few <input type="checkbox"/> Common <input type="checkbox"/> Many Shells? <input type="checkbox"/> Very Fine <input type="checkbox"/> Fine <input type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse Fibers? <input type="checkbox"/> Fines Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Coarse Gravel <input type="checkbox"/> Cobbles Wood? <input type="checkbox"/> Wood <input type="checkbox"/> Bleached Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Fluff <input type="checkbox"/> Charcoal Sands? <input type="checkbox"/> Silt <input type="checkbox"/> Clay Paint Fragments? <input type="checkbox"/>
	# of Containers: 1	Rocks? <input checked="" type="checkbox"/> <1.5% <input type="checkbox"/> 1.5-3.8% <input type="checkbox"/> 3.5-6.0% <input type="checkbox"/> 6.0-9.0% <input type="checkbox"/> >9.0% Wood %: 0 %
	Field Personnel	Petrochemical Odor? <input type="checkbox"/> Sulfur <input type="checkbox"/> Oil <input type="checkbox"/> Other
	Logged By: <input type="text"/>	Notes: <input type="checkbox"/> Subsamples? <input type="checkbox"/> <0.05 ft Above <input type="checkbox"/> 0.05-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.5 ft <input type="checkbox"/> >0.5 ft Color: <input type="text"/> USDA Texture: <input type="text"/>
	Date Entry By: <input checked="" type="checkbox"/> Same as above	Internal Remarks: <input type="text"/> <input type="checkbox"/> Location? <input type="checkbox"/> Seizure? <input checked="" type="checkbox"/>
	Sample Remarks: <input type="text"/> <input type="text"/>	
	Organics present: <input type="text"/> <input type="text"/>	

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

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Client: Arcanic Lafayette	Location ID: ED - 01.88 - S001 - 0.5-1.0	Interval: 0.5 ft to 1.0 ft
Site Name: Elliott Ditch Ry-Ro	Layer: Z	Gap: <input type="text"/>
Project Name: 315 - 052	Color: <input type="text"/>	Structure: <input type="text"/>
Task #: 0002	USCS Texture: 2.5 Y 3/2	Type: Granular Subangular Blocky Angular Blocky Single Grain Massive Other: <input type="text"/>
Log Date: 3/3/22	USDA Texture: Sm	Grade: Weak Moderate Strong: <input type="text"/>
Lab Data:		Texture: <input type="text"/>
Grab? <input checked="" type="checkbox"/>	Composite? <input type="checkbox"/>	Plasticity: Non-plastic <input checked="" type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic <input type="checkbox"/>
Dry Sieve? <input type="checkbox"/>	# of Containers: 1	Roots? Few <input type="checkbox"/> Common <input type="checkbox"/> Many <input type="checkbox"/>
Method: Sediment		Roots%: <1% <input type="checkbox"/> 1-5% <input checked="" type="checkbox"/> 16-38% <input type="checkbox"/> 35-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> ≥90% <input type="checkbox"/>
Soil? <input checked="" type="checkbox"/>		Cobbles: <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Coarse Gravel <input type="checkbox"/> Fine Gravel <input type="checkbox"/>
Air? <input type="checkbox"/>		Shells? <input type="checkbox"/> Paint Fragments? <input type="checkbox"/>
Water? <input type="checkbox"/>		Notes: <input type="checkbox"/> Locatable? <input checked="" type="checkbox"/> Saturated? <input type="checkbox"/>
# of Containers? <input type="checkbox"/>		Internal Remarks: 3/3/22 G924
Priority: Urgent (1) Standard (2) At-Air (3) As Needed (4)		Organics present <input type="checkbox"/>
Field Personnel: Logged By: <input type="text"/> Data Entry By: <input checked="" type="checkbox"/> Same as above <input type="checkbox"/>		Substrates: <0.05 ft None <input type="checkbox"/> 0.05-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.5 ft <input type="checkbox"/> ≥0.5 ft <input type="checkbox"/>
		USDA Texture: <input type="text"/>

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
Project Number: 315-052
Field Location ID: ED-02.17 - S D&I
Core Type: Vibecore - Mini, 2" polycarbonate
Field Remarks: - tubing
Northing (N): Recorded; see project Figures
Easting (E): Recorded; see project Figures
Cored By: Garrett Welch
Cored Date: 3/2/22
Described By: Garrett Welch
Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks
Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery			
0-1.0	0.9	90%			

Reviewed By _____ Date _____

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Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

TETRATECH

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Client: Arcanic Lafayette	Location ID: ED-02117-SD01-0-0.9	Interval: 0-0 ft to 0.9 ft
Site Name: Elliott Ditch R4-R6	Gap:	
Project Name: 315 - 052	Layer:	1
Task #: 0002	Color:	
Log Date: 3/2/22	Lab Data	
	Sediment Color: 7.5 YR 3/4	
	USDA Texture: Sand	
	USCS Texture: S	
	Texture	
	Type	
	Grade	
	Structure	
	Other Characteristics	
	Notes	
	Sample Remarks	
	Internal Remarks	

Dense? Gray? Composite? Layered? Colored?

Matrix: Sediment Soil Air Water Other

Priority: Urgent (1) Standard (2) At Risk (3) As Required (4) Other

Field Personnel

Logged By: Grace Welch

Date Entry By: Same as above Different

Notes

Location? Sample Location? USDA Texture:

Color? Petrochemical? Solvent? Other

Grain Size: Very Fine Fine Medium Coarse Very Coarse Wood Black Wood Burned Wood Sawdust Wood Chips Wood Pulp Charcoal

Rocks? Few Common Many Rock 1: <1% 15-38% 35-60% 60-80% >80% Rock 2: Fine Gravel Medium Gravel Coarse Gravel Cobbles Wood %: 0 % Shells? Park Fragments?

Shells? Park Fragments?

Color Wash Moderate Strong Other

Grade Wash Moderate Strong

Structure Well sorted poorly sorted

Type Granular Subangular Blocky Angular Blocky Single Grain Massive Other

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
Project Number: 315-052
Field Location ID: ED - 02-36 - SD01
Core Type: Vibecore - Mini, 2" polycarbonate
Field Remarks: - tubing
Northing (N): Recorded; see project Figures
Easting (E):

Cored By: Garrett Welch
Cored Date: 3/2/22
Described By: Garrett Welch
Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
0 - 1.4	1.4	100%

Reviewed By _____ Date _____

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Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log		Version 1.2, 1/20/16
Client: Aronie Lafayette	Location ID: ED-02-36 - SD01-O-O-7	Interval: 0.0 ft to 0.7 ft
Site Name: Elliott Ditch Ry-Rc		
Project Name: 315 - O52	Layer: 1	Gap: <input type="text"/>
Task #: 0002	Color: <input type="text"/>	Structure: <input type="text"/>
Log Date: 3/2/2022	Sediment Color: <input type="text"/>	Type: <input type="text"/>
	USDA Texture: Sand	Grade: <input type="text"/>
	USCS Texture: SP	Moderate Strength
	Lab Data: <input type="text"/>	Weak
	Density? <input type="checkbox"/>	Strong
	Grain? <input checked="" type="checkbox"/>	
	Composite? <input type="checkbox"/>	
	Matrix? <input checked="" type="checkbox"/> Sediment	
	Soil? <input type="checkbox"/>	
	AF? <input type="checkbox"/>	
	Water? <input type="checkbox"/>	
	# of containers: 1	
Plasticity:	<input checked="" type="checkbox"/> Liquid (1)	Very Fine
	<input type="checkbox"/> Standard (2)	Fine
	<input type="checkbox"/> Plastic (3)	Medium
	<input type="checkbox"/> Hard (4)	Coarse
	<input type="checkbox"/> As Needed (8)	Very Coarse
Field Personnel:	Dugout By: <input type="text"/>	Wood? <input type="checkbox"/>
	Date Entry By: <input checked="" type="checkbox"/> Same as above	Wood %: 0 %
Sample Remarks:	Notes: <input type="checkbox"/> Particulates <input type="checkbox"/>	Substrate? <input type="checkbox"/> 0-65 # Along <input type="checkbox"/> Color: <input type="text"/>
	TIP? <input type="checkbox"/>	0-36-0.1 ft <input type="checkbox"/>
		0.1-0.2 ft <input type="checkbox"/>
		0.2-0.5 ft <input type="checkbox"/>
		0.5 ft <input type="checkbox"/> USDA Texture: <input type="text"/>
Internal Remarks:	3/2/22	
	1308	

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log Version 1.2 - 1/20/16

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Client: Arcanic Lafayette	Location ID: ED-OZ-36-S Ditch R4-R6	Interval: 0.7 ft to 1.4 ft
Site Name: Elliott Ditch R4-R6	Layer: Z	Gap:
Project Name: 35-052	2nd Sediment Color:	
Task #: 0002	Sediment Color: 7.5 YR 3/3 Sand	
Log Date: 3/2/2022	Color:	
Lab Data		
Dry? <input checked="" type="checkbox"/>	Wet? <input type="checkbox"/>	Composite? <input type="checkbox"/>
Mold? <input checked="" type="checkbox"/>	Sediment? <input type="checkbox"/>	Air? <input type="checkbox"/>
Water? <input type="checkbox"/>	Soil? <input type="checkbox"/>	Other? <input type="checkbox"/>
# of Containers: 1		
Texture		
USDA Texture: Sand	Type:	Grade:
USCS Texture: SP	Granular	Weak
	Subangular Blocky	Medium
	Angular Blocky	Strong
	Single Grain	
	Massive	
	Other:	
Plasticity		
Flocc? <input checked="" type="checkbox"/>	Few <input type="checkbox"/>	Very Fine <input type="checkbox"/>
Common <input type="checkbox"/>	Fine <input type="checkbox"/>	Medium <input type="checkbox"/>
Many <input type="checkbox"/>	Clean <input type="checkbox"/>	Coarse <input type="checkbox"/>
	Very Coarse <input type="checkbox"/>	
Field Personnel		
Logged By: Grace H. Welch	Petrochemical: <input type="checkbox"/>	Shale? <input type="checkbox"/>
Date Entry By: Same as Above	Sulfur: <input type="checkbox"/>	0.05-0.1% <input checked="" type="checkbox"/>
	Other: <input type="checkbox"/>	0.1-0.2% <input type="checkbox"/>
		0.2-0.5% <input type="checkbox"/>
		>0.5% <input type="checkbox"/>
Other Characteristics		
Roots? <input checked="" type="checkbox"/>	Very Fine <input type="checkbox"/>	Shaly? <input type="checkbox"/>
Common <input type="checkbox"/>	Fine <input type="checkbox"/>	Post Fossiliferous? <input type="checkbox"/>
Many <input type="checkbox"/>	Medium <input type="checkbox"/>	Stalagmite? <input checked="" type="checkbox"/>
	Clean <input type="checkbox"/>	0.05-1.0% <input type="checkbox"/>
	Coarse <input type="checkbox"/>	1.0-2.0% <input type="checkbox"/>
	Cobbles <input type="checkbox"/>	>2.0% <input type="checkbox"/>
	Fine Gravel <input type="checkbox"/>	
	Medium Gravel <input type="checkbox"/>	
	Large Gravel <input type="checkbox"/>	
	Wood %: 0 %	USDA Texture:
Notes		
TP?	Leaching? <input type="checkbox"/>	Strength? <input type="checkbox"/>
	Strength/Leach? <input checked="" type="checkbox"/>	Color:
3/2/22	13/3	
Internal Remarks		
3/2/22		

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
Project Number: 315-052
Field Location ID: ED-02-4B - SD01
Core Type: Vibecore - Mini, 2" polycarbonate
Field Remarks: - tubing
Northing (N): Recorded; see project Figures
Easting (E):

Cored By: Garrett Welch

Cored Date:

Described By: Garrett Welch

Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
1.8	1.43	80%

Reviewed By _____ Date _____

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Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log Version 1.2, 1/20/2016

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Client: Aronie Lafayette	Location ID: ED - 02-48 - SD01-0 - 0-7	Interval: 0.0 ft to 0.7 ft
Site Name: Elliott Ditch R4-R5e	Layer: 1	Gap: <input type="text"/>
Project Name: 315 - 057	2nd Sediment Color: <input type="text"/>	Structure: <input type="text"/>
Task #: 0002	Lab Data: 7.5 YR 3/3	Type: Granular Subangular Blocky Angular Blocky Stringy Grain Massive Other: wet Grade d
Log Date: 3/2/22	Texture: <input type="text"/> USDA Texture: Sand	Grade: <input type="text"/> Medium Strong
	USCS Texture: Sw	Other Characteristics: <input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal
	Plasticity: <input type="checkbox"/> Nonplastic <input checked="" type="checkbox"/> Shrinkable <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic	<input type="checkbox"/> Roots? Few <input type="checkbox"/> Common <input type="checkbox"/> Many
	Composite? <input type="checkbox"/>	<input type="checkbox"/> Roots? <15% 15-38% 35-60% 60-90% ≥90%
	Method: <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water For Guidance: <input type="text"/> Priority: <input checked="" type="checkbox"/> Urgent (1) <input checked="" type="checkbox"/> Standard (2) <input type="checkbox"/> At Able (3) <input type="checkbox"/> As Needed (4)	<input type="checkbox"/> Shrinkage <input type="checkbox"/> Moderate <input type="checkbox"/> Strong
	Field Personnel: <input type="text"/> Logged By: Grace H. Welch	<input type="checkbox"/> Encroachment <input type="checkbox"/> Subgrade <input type="checkbox"/> Soil <input type="checkbox"/> Other
	Data Entry By: <input checked="" type="checkbox"/> Same as Above	Notes: <input type="checkbox"/> Encroachment <input type="checkbox"/> Subgrade <input type="checkbox"/> Soil <input type="checkbox"/> Other
	Sample Remarks: <input type="text"/> Internal Remarks: <input type="text"/> 3/2/22 1400	USDA Texture: <input type="checkbox"/> sub 65% None <input type="checkbox"/> 0-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.5 ft <input type="checkbox"/> >0.5 ft

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log		Version 1.2, 1/20/16	Page <u>2</u> of <u>2</u>																																											
Client: Arcanis Lafayette	Site Name: Elliott Ditch Ry-Rc	Location ID: ED - 02-48 - SD01-0-7-1-13 Interval: 0-7 to 1.43 ft																																												
Project Name: 315 - 052	Task #: 0002	Log Date: 3/2/22																																												
<table border="1"> <tr> <td><input type="checkbox"/> Drilled?</td> <td><input checked="" type="checkbox"/> Grav?</td> <td><input type="checkbox"/> Compacted?</td> <td><input type="checkbox"/> Sediment?</td> </tr> <tr> <td><input type="checkbox"/> Soil</td> <td><input checked="" type="checkbox"/> Sand</td> <td><input type="checkbox"/> Gravel</td> <td><input type="checkbox"/> Air</td> </tr> <tr> <td><input type="checkbox"/> Water</td> <td><input type="checkbox"/> Silt</td> <td><input type="checkbox"/> Cobbles</td> <td><input type="checkbox"/> Other</td> </tr> <tr> <td colspan="4"># of Containers: 1</td> </tr> </table>				<input type="checkbox"/> Drilled?	<input checked="" type="checkbox"/> Grav?	<input type="checkbox"/> Compacted?	<input type="checkbox"/> Sediment?	<input type="checkbox"/> Soil	<input checked="" type="checkbox"/> Sand	<input type="checkbox"/> Gravel	<input type="checkbox"/> Air	<input type="checkbox"/> Water	<input type="checkbox"/> Silt	<input type="checkbox"/> Cobbles	<input type="checkbox"/> Other	# of Containers: 1																														
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# of Containers: 1																																														
<table border="1"> <tr> <td>Priority:</td> <td>Urgent (1)</td> <td>Standard (2)</td> <td>Slow (3)</td> <td>As Needed (6)</td> </tr> <tr> <td>Method:</td> <td><input checked="" type="checkbox"/> Sediment</td> <td><input type="checkbox"/> Soil</td> <td><input type="checkbox"/> Gravel</td> <td><input type="checkbox"/> Silt</td> </tr> <tr> <td>Color:</td> <td><input type="checkbox"/> Gray</td> <td><input type="checkbox"/> Tan</td> <td><input type="checkbox"/> Black</td> <td><input type="checkbox"/> White</td> </tr> <tr> <td>Date:</td> <td>3/2/22</td> <td>3/2/22</td> <td>3/2/22</td> <td>3/2/22</td> </tr> <tr> <td>Lab Data</td> <td colspan="4"> <table border="1"> <tr> <td><input type="checkbox"/> Sediment Color: Z</td> <td><input type="checkbox"/> 2nd Sediment Color: <u>SW</u></td> </tr> <tr> <td><input type="checkbox"/> USDA Texture: <u>SW</u></td> <td><input type="checkbox"/> USCS Texture: <u>SW</u></td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity: <u>2.65</u></td> <td><input type="checkbox"/> Compressibility: <u>0.002</u></td> </tr> <tr> <td><input type="checkbox"/> Cohesion: <u>0</u></td> <td><input type="checkbox"/> Internal Friction: <u>30</u></td> </tr> <tr> <td><input type="checkbox"/> D50: <u>0.002</u></td> <td><input type="checkbox"/> D90: <u>0.005</u></td> </tr> <tr> <td><input type="checkbox"/> GSI: <u>0</u></td> <td><input type="checkbox"/> SPT N6: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D60: <u>0</u></td> <td><input type="checkbox"/> D10: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D30: <u>0</u></td> <td><input type="checkbox"/> D40: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D100: <u>0</u></td> <td><input type="checkbox"/> D80: <u>0</u></td> </tr> </table> </td> </tr> </table>				Priority:	Urgent (1)	Standard (2)	Slow (3)	As Needed (6)	Method:	<input checked="" type="checkbox"/> Sediment	<input type="checkbox"/> Soil	<input type="checkbox"/> Gravel	<input type="checkbox"/> Silt	Color:	<input type="checkbox"/> Gray	<input type="checkbox"/> Tan	<input type="checkbox"/> Black	<input type="checkbox"/> White	Date:	3/2/22	3/2/22	3/2/22	3/2/22	Lab Data	<table border="1"> <tr> <td><input type="checkbox"/> Sediment Color: Z</td> <td><input type="checkbox"/> 2nd Sediment Color: <u>SW</u></td> </tr> <tr> <td><input type="checkbox"/> USDA Texture: <u>SW</u></td> <td><input type="checkbox"/> USCS Texture: <u>SW</u></td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity: <u>2.65</u></td> <td><input type="checkbox"/> Compressibility: <u>0.002</u></td> </tr> <tr> <td><input type="checkbox"/> Cohesion: <u>0</u></td> <td><input type="checkbox"/> Internal Friction: <u>30</u></td> </tr> <tr> <td><input type="checkbox"/> D50: <u>0.002</u></td> <td><input type="checkbox"/> D90: <u>0.005</u></td> </tr> <tr> <td><input type="checkbox"/> GSI: <u>0</u></td> <td><input type="checkbox"/> SPT N6: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D60: <u>0</u></td> <td><input type="checkbox"/> D10: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D30: <u>0</u></td> <td><input type="checkbox"/> D40: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D100: <u>0</u></td> <td><input type="checkbox"/> D80: <u>0</u></td> </tr> </table>				<input type="checkbox"/> Sediment Color: Z	<input type="checkbox"/> 2nd Sediment Color: <u>SW</u>	<input type="checkbox"/> USDA Texture: <u>SW</u>	<input type="checkbox"/> USCS Texture: <u>SW</u>	<input type="checkbox"/> Specific Gravity: <u>2.65</u>	<input type="checkbox"/> Compressibility: <u>0.002</u>	<input type="checkbox"/> Cohesion: <u>0</u>	<input type="checkbox"/> Internal Friction: <u>30</u>	<input type="checkbox"/> D50: <u>0.002</u>	<input type="checkbox"/> D90: <u>0.005</u>	<input type="checkbox"/> GSI: <u>0</u>	<input type="checkbox"/> SPT N6: <u>0</u>	<input type="checkbox"/> D60: <u>0</u>	<input type="checkbox"/> D10: <u>0</u>	<input type="checkbox"/> D30: <u>0</u>	<input type="checkbox"/> D40: <u>0</u>	<input type="checkbox"/> D100: <u>0</u>	<input type="checkbox"/> D80: <u>0</u>
Priority:	Urgent (1)	Standard (2)	Slow (3)	As Needed (6)																																										
Method:	<input checked="" type="checkbox"/> Sediment	<input type="checkbox"/> Soil	<input type="checkbox"/> Gravel	<input type="checkbox"/> Silt																																										
Color:	<input type="checkbox"/> Gray	<input type="checkbox"/> Tan	<input type="checkbox"/> Black	<input type="checkbox"/> White																																										
Date:	3/2/22	3/2/22	3/2/22	3/2/22																																										
Lab Data	<table border="1"> <tr> <td><input type="checkbox"/> Sediment Color: Z</td> <td><input type="checkbox"/> 2nd Sediment Color: <u>SW</u></td> </tr> <tr> <td><input type="checkbox"/> USDA Texture: <u>SW</u></td> <td><input type="checkbox"/> USCS Texture: <u>SW</u></td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity: <u>2.65</u></td> <td><input type="checkbox"/> Compressibility: <u>0.002</u></td> </tr> <tr> <td><input type="checkbox"/> Cohesion: <u>0</u></td> <td><input type="checkbox"/> Internal Friction: <u>30</u></td> </tr> <tr> <td><input type="checkbox"/> D50: <u>0.002</u></td> <td><input type="checkbox"/> D90: <u>0.005</u></td> </tr> <tr> <td><input type="checkbox"/> GSI: <u>0</u></td> <td><input type="checkbox"/> SPT N6: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D60: <u>0</u></td> <td><input type="checkbox"/> D10: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D30: <u>0</u></td> <td><input type="checkbox"/> D40: <u>0</u></td> </tr> <tr> <td><input type="checkbox"/> D100: <u>0</u></td> <td><input type="checkbox"/> D80: <u>0</u></td> </tr> </table>				<input type="checkbox"/> Sediment Color: Z	<input type="checkbox"/> 2nd Sediment Color: <u>SW</u>	<input type="checkbox"/> USDA Texture: <u>SW</u>	<input type="checkbox"/> USCS Texture: <u>SW</u>	<input type="checkbox"/> Specific Gravity: <u>2.65</u>	<input type="checkbox"/> Compressibility: <u>0.002</u>	<input type="checkbox"/> Cohesion: <u>0</u>	<input type="checkbox"/> Internal Friction: <u>30</u>	<input type="checkbox"/> D50: <u>0.002</u>	<input type="checkbox"/> D90: <u>0.005</u>	<input type="checkbox"/> GSI: <u>0</u>	<input type="checkbox"/> SPT N6: <u>0</u>	<input type="checkbox"/> D60: <u>0</u>	<input type="checkbox"/> D10: <u>0</u>	<input type="checkbox"/> D30: <u>0</u>	<input type="checkbox"/> D40: <u>0</u>	<input type="checkbox"/> D100: <u>0</u>	<input type="checkbox"/> D80: <u>0</u>																								
<input type="checkbox"/> Sediment Color: Z	<input type="checkbox"/> 2nd Sediment Color: <u>SW</u>																																													
<input type="checkbox"/> USDA Texture: <u>SW</u>	<input type="checkbox"/> USCS Texture: <u>SW</u>																																													
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<input type="checkbox"/> D100: <u>0</u>	<input type="checkbox"/> D80: <u>0</u>																																													

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									---------------	------------------------------------	---------------------------------	--	---------------------------------	--------------------------------------	-----------------------------------		Type:	<input type="checkbox"/> Very Fine	<input type="checkbox"/> Fine	<input type="checkbox"/> Medium	<input type="checkbox"/> Coarse	<input type="checkbox"/> Very Coarse	<input type="checkbox"/> Granular		Roots?	<input type="checkbox"/> Common	<input type="checkbox"/> Common	<input checked="" type="checkbox"/> Many	<input type="checkbox"/> None				Roots? %	1%	16-38%	35-50%	60-90%	288%			Roots? Notes:																						
											------------------------	--------------------------------------	--	-------------------------------------	---	---	--	---	--		Other Characteristics:	<input type="checkbox"/> Wood?	<input type="checkbox"/> Wood	<input type="checkbox"/> Black Wood	<input type="checkbox"/> Burned Wood	<input type="checkbox"/> Sawdust	<input type="checkbox"/> Wood Chips	<input type="checkbox"/> Wood Pulp	<input type="checkbox"/> Charcoal		Shells?	<input type="checkbox"/>	<input checked="" type="checkbox"/> Shells	<input type="checkbox"/> Fish Bones	<input type="checkbox"/> Mollusk Shells	<input type="checkbox"/> Other Shells	<input type="checkbox"/> Shells %: <u>0</u>	<input type="checkbox"/> Plant Fragments?	<input type="checkbox"/>		Substances?	<input type="checkbox"/> Oil/Grease?	<input type="checkbox"/> Oil/Grease	<input type="checkbox"/> Sludge?	<input type="checkbox"/> Sludge	<input type="checkbox"/> Suspended Solids	<input type="checkbox"/> Suspended Solids %: <u><0.05 %</u>	<input type="checkbox"/> Color	<input type="checkbox"/> Color %: <u>0.05-1%</u>		Notes:												
						-------------------	----------	------	--		Internal Remarks:	3/2/2022	1405			Sample Remarks:																																															

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
Project Number: 315-052
Field Location ID: ED-02.59-SD01
Core Type: Vibecore - Mini, 2" polycarbonate
Field Remarks: - tubing
Noting (R): Recorded; see project Figures
Easting (R): Cored By: Garrett Welch
Cored Date: 3/2/2022
Described By: Garrett Welch
Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks
Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery			
0 - 0.8	0.8	100%			

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log Version 1.1/20/16

Client: <u>Argonie Lafayette</u>	Location ID: <u>ED - 02.51 - SD01-0 - 0.8</u>	Interval: <u>0.0 ft to 0.8 ft</u>	Page <u>1</u> of <u>1</u>																																								
Site Name: <u>Elliott Ditch RY-RG</u>	Gap: <u>1</u>																																										
Project Name: <u>315 - 052</u>																																											
Task #: <u>0002</u>																																											
Log Date: <u>3/2/2022</u>																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Lab Data</td> <td style="width: 25%;">Texture</td> <td style="width: 25%;">Other Characteristics</td> <td style="width: 25%;">Notes</td> </tr> <tr> <td><input type="checkbox"/> Dissolved?</td> <td><input type="checkbox"/> Sand</td> <td><input type="checkbox"/> Wood? <input checked="" type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal</td> <td><input type="checkbox"/> Trunk? <input checked="" type="checkbox"/> Bark Fragments? <input type="checkbox"/> Snails?</td> </tr> <tr> <td><input type="checkbox"/> Glare? <input checked="" type="checkbox"/></td> <td><input type="checkbox"/> Silt</td> <td><input type="checkbox"/> Roots? <input type="checkbox"/> Common <input type="checkbox"/> Many <input type="checkbox"/> Chunks <input type="checkbox"/> Very Coarse</td> <td><input type="checkbox"/> Tree? <input type="checkbox"/> Shrub? <input type="checkbox"/> Other?</td> </tr> <tr> <td><input type="checkbox"/> Composite? <input type="checkbox"/></td> <td><input type="checkbox"/> USCS/Texture</td> <td><input type="checkbox"/> Very Fine <input type="checkbox"/> Fine <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse</td> <td><input type="checkbox"/> Petrochemical? <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong</td> </tr> <tr> <td><input type="checkbox"/> Hardness? <input type="checkbox"/></td> <td><input type="checkbox"/> Plasticity</td> <td><input type="checkbox"/> Roots? <input type="checkbox"/> <15% <input type="checkbox"/> 16-38% <input type="checkbox"/> 39-60% <input type="checkbox"/> 61-80% <input type="checkbox"/> >80%</td> <td><input type="checkbox"/> Color? <input type="checkbox"/> Brown <input type="checkbox"/> Tan <input type="checkbox"/> Light Tan <input type="checkbox"/> Yellow <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Purple <input type="checkbox"/> Black <input type="checkbox"/> Gray <input type="checkbox"/> White <input type="checkbox"/> Light Gray <input type="checkbox"/> Silver <input type="checkbox"/> Gold <input type="checkbox"/> Silver/Gold <input type="checkbox"/> Other</td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity? <input type="checkbox"/></td> <td><input type="checkbox"/> Structure</td> <td><input type="checkbox"/> Wood % <u>0</u> %</td> <td><input type="checkbox"/> USDA Texture? <input type="checkbox"/> 0-0.05 ft <input type="checkbox"/> 0.06-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.3 ft <input type="checkbox"/> >0.3 ft <input type="checkbox"/> USDA Texture</td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity? <input type="checkbox"/></td> <td><input type="checkbox"/> Type</td> <td><input type="checkbox"/> Compaction? <input type="checkbox"/> Same as above <input type="checkbox"/> Other</td> <td><input type="checkbox"/> Location? <input type="checkbox"/> Sand/gravel? <input checked="" type="checkbox"/> Cables?</td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity? <input type="checkbox"/></td> <td><input type="checkbox"/> Color</td> <td><input type="checkbox"/> Internal Remarks <u>3/2/2022</u></td> <td><input type="checkbox"/> Date Entered <u>1/3/25</u></td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity? <input type="checkbox"/></td> <td><input type="checkbox"/> Grade</td> <td><input type="checkbox"/> Cables present near 0.8'</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Specific Gravity? <input type="checkbox"/></td> <td><input type="checkbox"/> Grade</td> <td></td> <td></td> </tr> </table>				Lab Data	Texture	Other Characteristics	Notes	<input type="checkbox"/> Dissolved?	<input type="checkbox"/> Sand	<input type="checkbox"/> Wood? <input checked="" type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal	<input type="checkbox"/> Trunk? <input checked="" type="checkbox"/> Bark Fragments? <input type="checkbox"/> Snails?	<input type="checkbox"/> Glare? <input checked="" type="checkbox"/>	<input type="checkbox"/> Silt	<input type="checkbox"/> Roots? <input type="checkbox"/> Common <input type="checkbox"/> Many <input type="checkbox"/> Chunks <input type="checkbox"/> Very Coarse	<input type="checkbox"/> Tree? <input type="checkbox"/> Shrub? <input type="checkbox"/> Other?	<input type="checkbox"/> Composite? <input type="checkbox"/>	<input type="checkbox"/> USCS/Texture	<input type="checkbox"/> Very Fine <input type="checkbox"/> Fine <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse	<input type="checkbox"/> Petrochemical? <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong	<input type="checkbox"/> Hardness? <input type="checkbox"/>	<input type="checkbox"/> Plasticity	<input type="checkbox"/> Roots? <input type="checkbox"/> <15% <input type="checkbox"/> 16-38% <input type="checkbox"/> 39-60% <input type="checkbox"/> 61-80% <input type="checkbox"/> >80%	<input type="checkbox"/> Color? <input type="checkbox"/> Brown <input type="checkbox"/> Tan <input type="checkbox"/> Light Tan <input type="checkbox"/> Yellow <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Purple <input type="checkbox"/> Black <input type="checkbox"/> Gray <input type="checkbox"/> White <input type="checkbox"/> Light Gray <input type="checkbox"/> Silver <input type="checkbox"/> Gold <input type="checkbox"/> Silver/Gold <input type="checkbox"/> Other	<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Structure	<input type="checkbox"/> Wood % <u>0</u> %	<input type="checkbox"/> USDA Texture? <input type="checkbox"/> 0-0.05 ft <input type="checkbox"/> 0.06-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.3 ft <input type="checkbox"/> >0.3 ft <input type="checkbox"/> USDA Texture	<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Type	<input type="checkbox"/> Compaction? <input type="checkbox"/> Same as above <input type="checkbox"/> Other	<input type="checkbox"/> Location? <input type="checkbox"/> Sand/gravel? <input checked="" type="checkbox"/> Cables?	<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Color	<input type="checkbox"/> Internal Remarks <u>3/2/2022</u>	<input type="checkbox"/> Date Entered <u>1/3/25</u>	<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Grade	<input type="checkbox"/> Cables present near 0.8'		<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Grade		
Lab Data	Texture	Other Characteristics	Notes																																								
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<input type="checkbox"/> Hardness? <input type="checkbox"/>	<input type="checkbox"/> Plasticity	<input type="checkbox"/> Roots? <input type="checkbox"/> <15% <input type="checkbox"/> 16-38% <input type="checkbox"/> 39-60% <input type="checkbox"/> 61-80% <input type="checkbox"/> >80%	<input type="checkbox"/> Color? <input type="checkbox"/> Brown <input type="checkbox"/> Tan <input type="checkbox"/> Light Tan <input type="checkbox"/> Yellow <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Purple <input type="checkbox"/> Black <input type="checkbox"/> Gray <input type="checkbox"/> White <input type="checkbox"/> Light Gray <input type="checkbox"/> Silver <input type="checkbox"/> Gold <input type="checkbox"/> Silver/Gold <input type="checkbox"/> Other																																								
<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Structure	<input type="checkbox"/> Wood % <u>0</u> %	<input type="checkbox"/> USDA Texture? <input type="checkbox"/> 0-0.05 ft <input type="checkbox"/> 0.06-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.3 ft <input type="checkbox"/> >0.3 ft <input type="checkbox"/> USDA Texture																																								
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<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Color	<input type="checkbox"/> Internal Remarks <u>3/2/2022</u>	<input type="checkbox"/> Date Entered <u>1/3/25</u>																																								
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<input type="checkbox"/> Specific Gravity? <input type="checkbox"/>	<input type="checkbox"/> Grade																																										

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
Project Number: 315-052
Field Location ID: ED-02.63 - SD01
Core Type: Vibecore - Mini, 2" polycarbonate
Field Remarks: - tubing
Northing (N): Recorded; see project Figures
Easting (E):

Cored By: Garrett Welch
Cored Date: 3/1/22
Described By: Garrett Welch
Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks
Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery			
0 - 0.9	0.75	83%			

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log Version 1.2, 1/20/16

Page 1 of 1

Client: Aronnic Lafayette	Location ID: ED - 0L63 - SDD1 - 0 - 035	Interval: 0.0 1 to 0.75 ft
Site Name: Elliott Ditch RY-Rc		
Project Name: 315 - 052	Layer: 1	Gap: <input type="text"/>
Task #: 0002	Color:	<input type="text"/>
Log Date: 3/1/22	Sediment Color:	<input type="text"/> 7-S YR 3/3
Lab Data		
Grab? <input checked="" type="checkbox"/>	Composite? <input type="checkbox"/>	Sample? <input type="checkbox"/>
Matrix: Sediment <input checked="" type="checkbox"/>	Soil <input type="checkbox"/>	Air <input type="checkbox"/>
Water <input type="checkbox"/>		
# of Containers: 1		
Plasticity:	<input checked="" type="checkbox"/> Plastic (1) <input checked="" type="checkbox"/> Non-plastic (2) <input type="checkbox"/> Slightly Plastic (3) <input type="checkbox"/> Moderate Plastic (4) <input type="checkbox"/> Very Plastic (5)	
Field Personnel:	Logged By: <input type="text"/> Garrett Welsh Data Entry By: <input checked="" type="checkbox"/> Same as above <input type="checkbox"/>	
Sample Remarks:	<input type="text"/> 3/1/22 <input type="text"/> 1649	
Internal Remarks:	<input type="text"/>	
Other Characteristics	Grade: <input type="checkbox"/> Weathered <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong <input type="checkbox"/> Burned	
Type:	<input checked="" type="checkbox"/> Granular <input type="checkbox"/> Subangular Blocky <input type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Single Grain <input type="checkbox"/> Massive <input type="checkbox"/> Other	
Structure:	<input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical <input type="checkbox"/> Parallel <input type="checkbox"/> Random	
Texture:	USDA Texture: <input type="text"/> Sand USCS Texture: <input type="text"/> SP	
Plasticity:	Atterberg: <input checked="" type="checkbox"/> Few <input type="checkbox"/> Common <input type="checkbox"/> Many <input type="checkbox"/> Plastic <input type="checkbox"/> Shrinkage	
Mineral:	<input type="checkbox"/> Very Fine <input type="checkbox"/> Fine <input type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse	
Organic:	<input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal	
Shells?	<input type="checkbox"/> Shells? <input type="checkbox"/> None <input type="checkbox"/> Color	
Substances?	<input type="checkbox"/> Substances? <input type="checkbox"/> None <input type="checkbox"/> Color	
Notes:	<input type="checkbox"/> Notes <input type="checkbox"/> Sample was broken <input type="checkbox"/>	

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
Project Number: 315-052
Field Location ID: ED-02-74-SD01
Core Type: Vibecore - Mini, 2" polycarbonate
Field Remarks: - tubing
Northing (N): Recorded; see project Figures
Easting (E):

Cored By: Garrett Welch
Cored Date: 3/1/22
Described By: Garrett Welch
Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
0 - 1.0	0.85	85%

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log

Version 1.2, 1/20/16

Client: Arcanic Lafayette		Location ID: ED - 02.74 - S001 - 0-0.85		Interval: 0.0 ft to 0.85 ft																																	
Site Name: Elliott Ditch Ry-Rc																																					
Project Name: 315 - 052																																					
Task #: 0002																																					
Log Date: 3/1/17																																					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Lab Data</p> <p><input type="checkbox"/> Dissolved?</p> <p><input checked="" type="checkbox"/> Gray?</p> <p><input type="checkbox"/> Composite?</p> <p># of Containers: 1</p> </div> <div style="width: 30%;"> <p>Layer: 1</p> <p>Gap: _____ ft</p> <p>Sediment Color: 7.5 YR 3/3</p> <p>USDA Texture: Sand</p> <p>USCS Texture: SP</p> </div> <div style="width: 40%;"> <p>Structure</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Granular</td><td><input type="checkbox"/></td></tr> <tr><td>Subangular Blocky</td><td><input type="checkbox"/></td></tr> <tr><td>Angular Blocky</td><td><input type="checkbox"/></td></tr> <tr><td>Single Grain</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Massive</td><td><input type="checkbox"/></td></tr> <tr><td>Other:</td><td><input type="checkbox"/></td></tr> </table> </div> </div>						Granular	<input type="checkbox"/>	Subangular Blocky	<input type="checkbox"/>	Angular Blocky	<input type="checkbox"/>	Single Grain	<input checked="" type="checkbox"/>	Massive	<input type="checkbox"/>	Other:	<input type="checkbox"/>																				
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Massive	<input type="checkbox"/>																																				
Other:	<input type="checkbox"/>																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Texture</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Fine</td><td><input type="checkbox"/></td></tr> <tr><td>Medium</td><td><input type="checkbox"/></td></tr> <tr><td>Coarse</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Very Coarse</td><td><input type="checkbox"/></td></tr> </table> </div> <div style="width: 30%;"> <p>Type</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Very Fine</td><td><input type="checkbox"/></td></tr> <tr><td>Fine</td><td><input type="checkbox"/></td></tr> <tr><td>Medium</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Coarse</td><td><input type="checkbox"/></td></tr> <tr><td>Very Coarse</td><td><input type="checkbox"/></td></tr> </table> </div> <div style="width: 40%;"> <p>Other Characteristics</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Wood?</td><td><input type="checkbox"/></td></tr> <tr><td>Black Wood?</td><td><input type="checkbox"/></td></tr> <tr><td>Burned Wood?</td><td><input type="checkbox"/></td></tr> <tr><td>Sandstone?</td><td><input type="checkbox"/></td></tr> <tr><td>Wood Chips?</td><td><input type="checkbox"/></td></tr> <tr><td>Wood Fulp?</td><td><input type="checkbox"/></td></tr> <tr><td>Charcoal?</td><td><input type="checkbox"/></td></tr> </table> </div> </div>						Fine	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Coarse	<input checked="" type="checkbox"/>	Very Coarse	<input type="checkbox"/>	Very Fine	<input type="checkbox"/>	Fine	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Coarse	<input type="checkbox"/>	Very Coarse	<input type="checkbox"/>	Wood?	<input type="checkbox"/>	Black Wood?	<input type="checkbox"/>	Burned Wood?	<input type="checkbox"/>	Sandstone?	<input type="checkbox"/>	Wood Chips?	<input type="checkbox"/>	Wood Fulp?	<input type="checkbox"/>	Charcoal?	<input type="checkbox"/>
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Charcoal?	<input type="checkbox"/>																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Plasticity</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Non plastic</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Slightly Plastic</td><td><input type="checkbox"/></td></tr> <tr><td>Moderately Plastic</td><td><input type="checkbox"/></td></tr> <tr><td>Very Plastic</td><td><input type="checkbox"/></td></tr> </table> </div> <div style="width: 30%;"> <p>Roots?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Few</td><td><input type="checkbox"/></td></tr> <tr><td>Common</td><td><input type="checkbox"/></td></tr> <tr><td>Many</td><td><input type="checkbox"/></td></tr> </table> </div> <div style="width: 40%;"> <p>Shells?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td><15%</td><td><input type="checkbox"/></td></tr> <tr><td>15-38%</td><td><input type="checkbox"/></td></tr> <tr><td>35-60%</td><td><input type="checkbox"/></td></tr> <tr><td>60-80%</td><td><input type="checkbox"/></td></tr> <tr><td>200%</td><td><input type="checkbox"/></td></tr> </table> </div> </div>						Non plastic	<input checked="" type="checkbox"/>	Slightly Plastic	<input type="checkbox"/>	Moderately Plastic	<input type="checkbox"/>	Very Plastic	<input type="checkbox"/>	Few	<input type="checkbox"/>	Common	<input type="checkbox"/>	Many	<input type="checkbox"/>	<15%	<input type="checkbox"/>	15-38%	<input type="checkbox"/>	35-60%	<input type="checkbox"/>	60-80%	<input type="checkbox"/>	200%	<input type="checkbox"/>								
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Internal Remarks</p> <p>3/1/17</p> </div> <div style="width: 30%;"> <p>Substrates?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0-0.6 ft Above</td><td><input type="checkbox"/></td></tr> <tr><td>0.05-0.1 ft</td><td><input type="checkbox"/></td></tr> <tr><td>0.1-0.2 ft</td><td><input type="checkbox"/></td></tr> <tr><td>0.2-0.3 ft</td><td><input type="checkbox"/></td></tr> <tr><td>0.3-0.5 ft</td><td><input type="checkbox"/></td></tr> </table> </div> <div style="width: 40%;"> <p>USDA Texture</p> <p><input checked="" type="checkbox"/> Sandstone?</p> <p><input type="checkbox"/> Lenticular?</p> </div> </div>						0-0.6 ft Above	<input type="checkbox"/>	0.05-0.1 ft	<input type="checkbox"/>	0.1-0.2 ft	<input type="checkbox"/>	0.2-0.3 ft	<input type="checkbox"/>	0.3-0.5 ft	<input type="checkbox"/>																						
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0.3-0.5 ft	<input type="checkbox"/>																																				

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
 Project Number: 315-052
 Field Location ID: ED - 02.88-SD01
 Core Type: Vibecore - Mini, 2" polycarbonate
 Field Remarks: - tubing
 Northing (N): Recorded; see project Figures
 Easting (E): Recorded; see project Figures
 Cored By: Garrett Welch
 Cored Date: 3/1/22
 Described By: Garrett Welch
 Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
0-3	2.6	86%

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Page 1 of 3

Sediment Log		Version 1.2, 1/20/16
TETRA TECH Client: Aronnic Lafayette Site Name: Elliott Ditch R4-R5 Project Name: 315 - OSZ Test #: 0002 Log Date: 3/1/22	Location ID: ED-02.00-SD01-O-O-05 Interval: 0.0 ft to 0.85 ft Layer: 1 Gap: <input type="text"/> ft Lab Data Sediment Color: 7.5 YR 3/3 USDA Texture: Sand USCS Texture: SP	2nd Sediment Color: <input type="text"/> Texture USDA Texture: Sand USCS Texture: SP
Structure Type: Granular <input checked="" type="checkbox"/> Subangular Blocky <input checked="" type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Single Grained <input checked="" type="checkbox"/> Massive <input type="checkbox"/> Other: <input type="text"/>		
Grade Weak: <input type="checkbox"/> Moderate: <input type="checkbox"/> Strong: <input type="checkbox"/>		
Other Characteristics Roots? <input type="checkbox"/> Few <input checked="" type="checkbox"/> Common <input type="checkbox"/> Many Rock? <input type="checkbox"/> Fine Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Coarse Gravel <input checked="" type="checkbox"/> Many <input type="checkbox"/> Very Coarse Charcoal: <input type="checkbox"/> Sawdust: <input type="checkbox"/> Wood Chips: <input type="checkbox"/> Wood Pulp: <input type="checkbox"/> Wood: <input type="checkbox"/> Bark: <input type="checkbox"/> Shells: <input type="checkbox"/> Fish: <input type="checkbox"/> Plant Fragments? <input type="checkbox"/> Slight: <input type="checkbox"/> Moderate: <input type="checkbox"/> Strong: <input type="checkbox"/>		
Notes TIP: <input type="checkbox"/> Location? <input type="checkbox"/> Sediment of body? <input checked="" type="checkbox"/>		
Internal Remarks MS/MSD Collected: 3/1/22 1445		
Sample Remarks Sediment ID: <input type="text"/> Sediment Date: <input type="text"/>		

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log		Version 1.2, 1/20/16																																											
Client: Aracnic Lafarge	Location ID: ED-02.08-SD01-0.85-1.7	Interval: 0.85 ft to 1.7 ft																																											
Site Name: Elliott Ditch R4-R6																																													
Project Name: 315 - Q57																																													
Task #: 000 Z																																													
Log Date: 3/1/22																																													
<table border="1"> <tr> <td>Lab Data</td> <td>Color:</td> <td>Gap:</td> </tr> <tr> <td><input type="checkbox"/> Dispersed</td> <td><input checked="" type="checkbox"/> Gray</td> <td><input type="checkbox"/> Compacted</td> </tr> <tr> <td><input type="checkbox"/> Sediment</td> <td><input type="checkbox"/> Soil</td> <td><input type="checkbox"/> Weathered</td> </tr> <tr> <td><input type="checkbox"/> Not Able (<input checked="" type="checkbox"/> Yes)</td> <td><input type="checkbox"/> No</td> <td><input type="checkbox"/> Is Needed (<input checked="" type="checkbox"/> Yes)</td> </tr> <tr> <td># of Confidence:</td> <td colspan="2">1</td> </tr> </table>			Lab Data	Color:	Gap:	<input type="checkbox"/> Dispersed	<input checked="" type="checkbox"/> Gray	<input type="checkbox"/> Compacted	<input type="checkbox"/> Sediment	<input type="checkbox"/> Soil	<input type="checkbox"/> Weathered	<input type="checkbox"/> Not Able (<input checked="" type="checkbox"/> Yes)	<input type="checkbox"/> No	<input type="checkbox"/> Is Needed (<input checked="" type="checkbox"/> Yes)	# of Confidence:	1																													
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Sample Remarks	Internal Remarks																																												
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<table border="1"> <tr> <td>Notes</td> <td><input type="checkbox"/> Location? <input type="checkbox"/> Sample Taken? <input checked="" type="checkbox"/> Both</td> <td><input type="checkbox"/> TIR? <input type="checkbox"/> Both</td> </tr> <tr> <td></td> <td><input type="checkbox"/> >0.65 ft Alone <input type="checkbox"/> Other</td> <td><input type="checkbox"/> 0.05-0.1 ft</td> </tr> <tr> <td></td> <td><input type="checkbox"/> 0.1-0.2 ft</td> <td><input type="checkbox"/> 0.2-0.5 ft</td> </tr> <tr> <td></td> <td><input type="checkbox"/> >0.5 ft</td> <td></td> </tr> <tr> <td></td> <td colspan="3">USDA Texture</td> </tr> </table>			Notes	<input type="checkbox"/> Location? <input type="checkbox"/> Sample Taken? <input checked="" type="checkbox"/> Both	<input type="checkbox"/> TIR? <input type="checkbox"/> Both		<input type="checkbox"/> >0.65 ft Alone <input type="checkbox"/> Other	<input type="checkbox"/> 0.05-0.1 ft		<input type="checkbox"/> 0.1-0.2 ft	<input type="checkbox"/> 0.2-0.5 ft		<input type="checkbox"/> >0.5 ft			USDA Texture																													
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Structure	<input type="checkbox"/> Granular	<input type="checkbox"/> Subangular	<input checked="" type="checkbox"/> Blocky	<input type="checkbox"/> Angular Blocky	<input type="checkbox"/> Single Grain	<input type="checkbox"/> Massive	<input type="checkbox"/> Other																																						
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Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log

Version 1.1, 17/03/16

Client: Arcovic Lafayette		Location ID: ED-02.88-SD01-1.3-2.6		Interval: 1.7 1 to 2.6 ft																													
Site Name: Elliott Ditch R4-R5s																																	
Project Name: 315 - 052																																	
Task #: 0002																																	
Log Date: 3/1/22																																	
Lab Data																																	
<input type="checkbox"/> Disturb?	<input checked="" type="checkbox"/> Grab?	<input type="checkbox"/> Composite?	<input checked="" type="checkbox"/> Sediment	<input type="checkbox"/> Soil	<input type="checkbox"/> Air																												
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
# of Containers:	1																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Priority:</td> <td style="width: 25%;">Urgent (1)</td> <td style="width: 25%;">Nonplastic</td> <td style="width: 25%;">Very Fine</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>						Priority:	Urgent (1)	Nonplastic	Very Fine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
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Method:	Sediment	Roots?	Wood?																														
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Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
 Project Number: 315-052
 Field Location ID: ED-02.94-SD01
 Core Type: Vibecore - Mini, 2" polycarbonate
 Field Remarks: - tubing
 Northing (N): Recorded; see project Figures
 Easting (E): Recorded; see project Figures
 Cored By: Garrett Welch
 Cored Date: 3/1/22
 Described By: Garrett Welch
 Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
0 - 1	0.8	80%
1 - 2	0.8	80%

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

TETRATECH

Sediment Log Version 1.2, 1/20/16

Page 1 of 2

Client: <u>Arconic Lafayette</u>	Location ID: <u>ED - 02.94 - SD01 - 0 - 0.8</u>	Interval: <u>0.0</u> ft to <u>0.8</u> ft
Site Name: <u>Elliott Ditch Ry-Rc</u>	Layer: <u>1</u>	Gap: <u>1</u>
Project Name: <u>315 - 052</u>	Lab Data:	2nd Sediment Grade: <u>2.5 YR 3/4</u>
Task #: <u>0002</u>	Color:	Sediment Color: <u>SP</u>
Log Date: <u>3/1/12</u>	Texture:	USDA Texture: <u>Sand</u>
	Type:	USCS Texture: <u>SP</u>
	Grade:	USDA Gravels: <u>1</u>
	Compressive:	USCS Gravels: <u>1</u>
	Marks:	Field Personnel:
	Non-plastic: <input checked="" type="checkbox"/>	Entered By: <u>Grace H. Welch</u>
	Slightly Plastic: <input checked="" type="checkbox"/>	Data Entry By: <u>Same as above</u>
	Moderately Plastic: <input type="checkbox"/>	
	Very Plastic: <input type="checkbox"/>	
	# of Containers: <u>1</u>	
Plasticity:	Rock? <input type="checkbox"/>	Notes:
	Root? <input type="checkbox"/>	Shells? <input type="checkbox"/>
	Foss? <input type="checkbox"/>	Plant Fragments? <input type="checkbox"/>
	Organic? <input type="checkbox"/>	Subsamples? <input type="checkbox"/>
	Clay? <input type="checkbox"/>	Color: <u>0.05 ± 0.1 ft</u>
	Silt? <input type="checkbox"/>	0.05-0.1 ft
	Water? <input type="checkbox"/>	0.1-0.2 ft
	Other? <input type="checkbox"/>	0.2-0.5 ft
		>0.5 ft
Structure:	Grade:	USDA Texture:
	Type:	Wood %: <u>0</u> %
	Granular: <input type="checkbox"/>	Wood: <input type="checkbox"/>
	Subangular Blocky: <input type="checkbox"/>	Black Wood: <input type="checkbox"/>
	Angular Blocky: <input type="checkbox"/>	Burned Wood: <input type="checkbox"/>
	Stringent Grain: <input checked="" type="checkbox"/>	Sawdust: <input type="checkbox"/>
	Massive: <input type="checkbox"/>	Wood Chips: <input type="checkbox"/>
	Other: <input type="checkbox"/>	Wood Pulp: <input type="checkbox"/>
		Charcoal: <input type="checkbox"/>
Other Characteristics:	Very Fine: <input type="checkbox"/>	Wood:
	Fine: <input type="checkbox"/>	Black Wood:
	Medium: <input checked="" type="checkbox"/>	Burned Wood:
	Coarse: <input type="checkbox"/>	Sawdust:
	Very Coarse: <input type="checkbox"/>	Wood Chips:
		Wood Pulp:
		Charcoal:

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log

Version 1.2, 1/20/18

Client:	Arconic Lafayette			Location ID:	ED - 02.94 - SD01 - 0-0.8			Interval:	0.0 1 to 0.8 ft		
Site Name:	Elliott Ditch Ry-Rc			Layer:	<input type="text"/> 2			Gap:	<input type="text"/> #		
Project Name:	315 - 052			Color:	<input type="text"/> 2.5 YR 3/3			2nd Sediment Color:	<input type="text"/>		
Task #:	0002			Texture:	<input type="text"/> Sand			Type:	<input type="checkbox"/> Granular <input checked="" type="checkbox"/> Subangular Blocky <input checked="" type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Shingle Grain <input checked="" type="checkbox"/> Massive <input type="checkbox"/> Other		
Log Date:	3/1/22			USDA Texture:	<input type="text"/> SP			Grade:	<input type="checkbox"/> Medium <input type="checkbox"/> Very Coarse <input type="checkbox"/> Coarse <input type="checkbox"/> Very Fine		
Lab Data				Plasticity:	<input type="checkbox"/> Non-plastic <input checked="" type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic			Wood:	<input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burned Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pals <input type="checkbox"/> Charcoal		
				Rocks:	<input type="checkbox"/> Few <input type="checkbox"/> Common <input checked="" type="checkbox"/> Many			Shells:	<input type="checkbox"/> Shells <input type="checkbox"/> Corals <input type="checkbox"/> Fish Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Coarse Gravel <input type="checkbox"/> Cobbles		
				Fossils:	<input type="checkbox"/> <15% <input checked="" type="checkbox"/> 15-33% <input type="checkbox"/> 33-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90%			Park Fragments:	<input type="checkbox"/> Park Fragments		
				Field Personnel:	<input type="checkbox"/> Bryant (1) <input checked="" type="checkbox"/> Standard (2) <input type="checkbox"/> Hart (3) <input type="checkbox"/> De Nooyer (4)			Subsamples:	<input type="checkbox"/> 0.05-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.5 ft <input type="checkbox"/> >0.5 ft		
				Entered By:	<input type="text"/> Grassett Welch			Notes:	<input type="checkbox"/> Same as above <input checked="" type="checkbox"/> Sample from top <input type="checkbox"/> TIP		
				Date Entry By:	<input type="text"/>			Internal Remarks:	<input type="text"/> 3/1/22 <input type="text"/> 120 <input type="text"/>		
				Sample Remarks:	<input type="checkbox"/> Same as above <input checked="" type="checkbox"/> Sample from top				<input type="checkbox"/> USDA Texture		

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6 Cored By: Garrett Welch
Project Number: 315-052 Cored Date: 3/1/22
Field Location ID: ED-02.96-SD61 Described By: Garrett Welch
Core Type: Vibecore - Mini, 2" polycarbonate Described Date: See cored date
Field Remarks: - tubing
Northing: (E) Recorded; see project Figures
Easting (N):

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Reviewed By _____ **Date** _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log

Version 1.2, 1/20/16

Client: <u>Arcanic Lafayette</u>		Location Id: <u>ED - 02.96-SD01-A-0-0-7</u>	Interval: <u>0.0 ft to 0.7 ft</u>
Site Name: <u>Elliott Ditch</u>		Layer: <u>1</u>	Gap: <u>1</u>
Project Name: <u>315 - OSZ</u>		Color:	
Task #: <u>0002</u>		2nd Sediment Color:	
Log Date: <u>3/1/22</u>		3rd Sediment Color:	
Lab Data <input type="checkbox"/> Dip-Sample? <input checked="" type="checkbox"/> Glab? <input type="checkbox"/> Composite? Matrix: <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water No. of Correlations: <u>1</u>			
Texture USDA Texture: <u>Sand</u> USCS Texture: <u>SP</u>			
Structure Type: <input type="checkbox"/> Granular <input type="checkbox"/> Subangular Blocky <input type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Single Grain <input type="checkbox"/> Massive <input type="checkbox"/> Other Grade: <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Strong			
Other Characteristics Roots? <input type="checkbox"/> Few <input type="checkbox"/> Common <input checked="" type="checkbox"/> Many <input type="checkbox"/> Fine <input type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse <input type="checkbox"/> Wood <input type="checkbox"/> Black Wood <input type="checkbox"/> Burnt Wood <input type="checkbox"/> Sawdust <input type="checkbox"/> Wood Chips <input type="checkbox"/> Wood Pulp <input type="checkbox"/> Charcoal Rocks? <input checked="" type="checkbox"/> <1% <input type="checkbox"/> 15-38% <input type="checkbox"/> 35-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90% <input type="checkbox"/> Fine Gravel <input type="checkbox"/> Medium Gravel <input type="checkbox"/> Coarse Gravel <input type="checkbox"/> Cobbles Wood %: <u>0</u> Shells? <input type="checkbox"/> Pink Fragments? <input type="checkbox"/> Petrochemical? <input type="checkbox"/> Spilt <input type="checkbox"/> Moderate <input type="checkbox"/> Strong Odor? <input type="checkbox"/> Sulfur <input type="checkbox"/> Other			
Field Personnel Logged By: <u>Grassett Welch</u> Data Entry By: <u>Same as above</u> <input type="checkbox"/>			
Internal Remarks Duplicate Collected <u>ED-DUPL1-Sediment</u> Log Date: <u>3/1/2022</u> Log ID: <u>1154</u>			
Notes <input type="checkbox"/> Tilt? <input type="checkbox"/> Lenticular? <input checked="" type="checkbox"/> Spherical Shells? <input type="checkbox"/> Turbid? <input type="checkbox"/> Suspended Load? 			
Sublayers? Depth: <u><0.65 ft</u> Appear: <u>Color:</u> <input type="checkbox"/> <u>0.05-0.1 ft</u> <input type="checkbox"/> <u>0.1-0.2 ft</u> <input type="checkbox"/> <u>0.2-0.5 ft</u> <input type="checkbox"/> <u>>0.5 ft</u> <input type="checkbox"/> USDA Texture: <input type="checkbox"/>			

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log Version 1.2, 1/20/16

Page 2 of 2

Client: Aronie Lafayette	Location ID: ED-02.96-SD01-0-7-14	Interval: 0-7 to 1 to 1.4 ft
Site Name: Elliott Ditch Ry-Rc	Layer: <u>2</u>	Gap: <u>1</u>
Project Name: 315 - 052	Color: <u>2</u>	2nd Sediment Color: <u>1</u>
Task #: 0002	Sediment Code: <u>25YR 3/3</u>	Structure: <u>Granular</u>
Log Date: 3/1/22	ASDA Texture: <u>Sand</u>	Type: <u>Angular Blocky</u>
Lab Data		Grade: <u>Weak</u>
Density?: <input type="checkbox"/>	USCS Texture: <u>SQ</u>	Moderate: <input checked="" type="checkbox"/>
Gray? <input checked="" type="checkbox"/>	Aspect: <u>SW</u>	Strong: <input type="checkbox"/>
Composite? <input type="checkbox"/>	Coarseness: <u>1</u>	Very Strong: <input type="checkbox"/>
Far Condition: <u>1</u>	Plasticity:	Other Characteristics:
Matrix: <input checked="" type="checkbox"/> Sediment	Few: <input type="checkbox"/>	Wood: <input type="checkbox"/>
<input type="checkbox"/> Soil	Common: <input type="checkbox"/>	Black Wood: <input type="checkbox"/>
<input type="checkbox"/> Air	Many: <input type="checkbox"/>	Burned Wood: <input type="checkbox"/>
<input type="checkbox"/> Water	Very Common: <input type="checkbox"/>	Sawdust: <input type="checkbox"/>
<input type="checkbox"/> Ice	Moderately Plastic: <input type="checkbox"/>	Wood Chips: <input type="checkbox"/>
<input type="checkbox"/> Organic	Very Plastic: <input type="checkbox"/>	Wood Pulp: <input type="checkbox"/>
Field Personnel:	Roots? <input checked="" type="checkbox"/>	Charcoal: <input type="checkbox"/>
Logged By: <u>Graeatt Welch</u>	<15%: <input checked="" type="checkbox"/>	Shale: <input type="checkbox"/>
Data Entry By: <input checked="" type="checkbox"/> Same as above	15-30%: <input type="checkbox"/>	Conglomerate: <input type="checkbox"/>
	35-60%: <input type="checkbox"/>	Stony: <input type="checkbox"/>
	60-90%: <input type="checkbox"/>	Subangular: <input type="checkbox"/>
	200%: <input type="checkbox"/>	0-0.05 ft: <input type="checkbox"/>
Sample Remarks:	0.05-0.1 ft: <input type="checkbox"/>	0.1-0.2 ft: <input type="checkbox"/>
	0.1-0.2 ft: <input type="checkbox"/>	0.2-0.5 ft: <input type="checkbox"/>
	0.2-0.5 ft: <input type="checkbox"/>	>0.5 ft: <input type="checkbox"/>
	Notes: <input type="checkbox"/> Sample new bed? <input checked="" type="checkbox"/>	ASDA Texture: <u>25YR 3/3</u>
	7MP: <input type="checkbox"/>	
	3/1/22	
	1159	
	6AW 3/1/22	

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
 Project Number: 315-052
 Field Location ID: ED-03-10-SD01
 Core Type: Vibecore - Mini, 2" polycarbonate
 Field Remarks: tubing
 Northing (N): Recorded; see project Figures
 Easting (E):
 Cored By: Garrett Welch
 Cored Date: 3/1/22
 Described By: Garrett Welch
 Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks

Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery
0-0.9	0.9	100%
0.9-1.1	0.2	100%
1.1 - 1.4	0.3	100%

Reviewed By _____ Date _____

Page 1 of 1

Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log Version 1.2, 1/20/16

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Client: <u>Arconic Lafarge LLC</u>	Location ID: <u>ED-03.10-SD01-0-0.9</u>	Interval: <u>0 ft to 0.9 ft</u>
Site Name: <u>Elliott Ditch Ry-Rc</u>	Gap: <u>ft</u>	
Project Name: <u>315 - Q57</u>	Layer: <u>1</u>	
Task #: <u>0002</u>	Color: <u>2.5 YR 5/3</u>	2nd Sediment Color: <u> </u>
Log Date: <u>3/1/22</u>	Lab Data	Structure
	USDA Texture: <u>Sand</u>	Type
	USCS Texture: <u>SP</u>	Grade
	Lab Data	Weak
	Composite? <input checked="" type="checkbox"/>	Medium
	Grab? <input checked="" type="checkbox"/>	Strong
	Depth? <input type="checkbox"/>	
	Mark? <input checked="" type="checkbox"/>	
	# of Cores? <u>1</u>	
	Priority: <input checked="" type="checkbox"/> Urgent (1)	Other Characteristics
	<input checked="" type="checkbox"/> Standard (2)	Wood? <input type="checkbox"/> Wood
	<input checked="" type="checkbox"/> Air Able (3)	Black Wood <input type="checkbox"/>
	<input type="checkbox"/> As Needed (4)	Burnt Wood <input type="checkbox"/>
		Sawdust <input type="checkbox"/>
		Wood Chips <input type="checkbox"/>
		Wood Flap <input type="checkbox"/>
		Charcoal <input type="checkbox"/>
		Shells? <input type="checkbox"/> Shells
		Faint Fragments? <input type="checkbox"/> Faint Fragments
		Sublayers? <input checked="" type="checkbox"/> Sublayers
		Color? <u>0.05 ft above</u> <u>0.05-0.1 ft</u>
		Notes
		USDA Texture: <u> </u>
	Logged By: <u>Garrett Welch</u>	Petrochemical
	Date Entry By: <u> </u>	Sulfur <input type="checkbox"/>
		Other <input type="checkbox"/>
	Internal Remarks	
	Sample Remarks	
	3/1/2022	Notes
	101	Locality? <input type="checkbox"/> Sample in back? <input checked="" type="checkbox"/>

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log Version 1.1/20/16

Client: Arctic Lafayette		Location ID: ED -03.10 - SD 01 - 0.9 - 1.1		Interval: 0.9 ft to 1.1 ft	
Site Name: Elliott Ditch R4-R5		Gap:			
Project Name: 315 - 052					
Task #:					
Log Date: 3/1/22					
Lab Data					
<input type="checkbox"/> Distilled? <input type="checkbox"/> Grab? <input checked="" type="checkbox"/> Composite? <input type="checkbox"/> Other?		<input type="checkbox"/> Sediment <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water		1	
Priority:		<input checked="" type="checkbox"/> Urgent (1) <input type="checkbox"/> Standard (2) <input type="checkbox"/> Atable (3) <input type="checkbox"/> As Needed (4)			
Field Personnel		Logged By: <u>Grassell, Jordan</u> <input type="checkbox"/> Same as above <input checked="" type="checkbox"/> Other			
Sample Remarks		3/1/22		1024	
Color:		<input type="checkbox"/> Tan <input type="checkbox"/> Brown <input type="checkbox"/> Red <input type="checkbox"/> Black <input type="checkbox"/> Gray <input type="checkbox"/> White <input type="checkbox"/> Other		Notes	
Structure:		<input type="checkbox"/> Granular <input type="checkbox"/> Subangular Blocky <input type="checkbox"/> Angular Blocky <input checked="" type="checkbox"/> Shaly Grain <input type="checkbox"/> Massive <input type="checkbox"/> Other		Grade:	
Texture:		<input type="checkbox"/> Sand <input type="checkbox"/> SP		<input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong	
USDA Texture:		<input type="checkbox"/> Common <input type="checkbox"/> Many			
USCS Texture:		<input type="checkbox"/> Very Fine <input type="checkbox"/> Fine <input type="checkbox"/> Medium <input type="checkbox"/> Coarse <input type="checkbox"/> Very Coarse			
Plasticity:		<input type="checkbox"/> Non plastic <input checked="" type="checkbox"/> Slightly Plastic <input type="checkbox"/> Moderately Plastic <input type="checkbox"/> Very Plastic			
Roots?:		<input type="checkbox"/> Few <input type="checkbox"/> Common <input type="checkbox"/> Many			
Rock?:		<input checked="" type="checkbox"/> <15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 35-60% <input type="checkbox"/> 60-90% <input type="checkbox"/> >90%			
Other Characteristics:		<input type="checkbox"/> Wood <input type="checkbox"/> Shells <input type="checkbox"/> Dark Fingerprint? <input checked="" type="checkbox"/> Color:			
Substrates?:		<input checked="" type="checkbox"/> 0-0.65 ft <input type="checkbox"/> 0.65-0.7 ft <input type="checkbox"/> 0.7-0.8 ft <input type="checkbox"/> 0.8-0.9 ft <input type="checkbox"/> 0.9-1.0 ft			
USDA Texture:		<input type="checkbox"/> 0-0.5 ft <input type="checkbox"/> 0.5-1.0 ft <input type="checkbox"/> 1.0-1.5 ft <input type="checkbox"/> 1.5-2.0 ft <input type="checkbox"/> 2.0-2.5 ft <input type="checkbox"/> 2.5-3.0 ft			

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log

Version 1.2, 1/20/16

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Client: <u>Arconic Lafayette</u>	Location ID: <u>ED - 03.10 - SD01 - 1.1 - 1.1</u>	Interval: <u>1.1</u> ft to <u>1.4</u> ft
Site Name: <u>Elliott Ditch R4-R5e</u>	Layer: <u>3</u>	Gap: <u>4</u>
Project Name: <u>315 - OSZ</u>	Color:	
Task #: <u>0002</u>	Sediment Color:	<u>7.5 VR 3/1</u>
Log Date:	USCS Texture:	<u>SP</u>
Lab Data		
Grain Size:	Texture:	Structure:
Compaction:	Plasticity:	Other Characteristics:
Magnet:	Type:	Grade:
Wetness:	Granular	Weak
Water Content:	Subangular Blocky	Medium
% Coarse:	Angular Blocky	Strong
Priority:	Silty	
Urgent (1)	Very Fine	Wood
Standard (2)	Fine	Bleached Wood
Not Able (3)	Medium	Burned Wood
No Need (4)	Coarse	Sawdust
Wet:	Very Coarse	Wood Chips
Dry:		Wood Pulp
Very Dry:		Charcoal
Rock:	Rock:	Shells
Clay:	<15%	Organic
Sand:	15-30%	Clay Fraction:
Gravel:	35-60%	Sublayers:
Pebbles:	60-90%	Color:
Large Gravel:	≥90%	
Field Personnel		
Logged By:	<u>Grattell Welch</u>	
Data Entry By:	<input checked="" type="checkbox"/> Same as Above	
Sample Remarks	<u>3/1/22</u>	
	<u>1029</u>	
Notes:		

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Data Sheet

Project Name: Elliott Ditch R4-R6
Project Number: 315-052
Field Location ID: ED-0328-SD01
Core Type: Vibecore - Mini, 2" polycarbonate
Field Remarks: - tubing
Northing (N): Recorded; see project Figures
Easting (E):

Cored By: Garrett Welch
Cored Date: 2/28/22
Described By: Garrett Welch
Described Date: See cored date

Sample Depth	Layer	Priority	Physical Description	Sample Remarks	Internal Sample Remarks
Core Interval (ft)	Measured Sediment in Core (ft)	% Recovery			
0 - 1.4	1.4	100%			

Reviewed By _____ Date _____

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Figure 2. Sample hard-copy print-out from electronic data logging system. Hard copies will be archived as a backup to the electronic system

Sediment Log		Version 1.2, 1/20/16	Page <u>1</u> of <u>2</u>
Client: Arcenac Lefayette	Location ID: ED-O3-ZB-SD01-O-0-7	Interval: 0.0 ft to 0.1 ft	
Site Name: Elliott Ditch R4-R6	Layer: <input type="text"/> 1	Gap: <input type="text"/>	
Project Name: 315-OSZ	Color: <input type="text"/>	2nd Sediment Color: <input type="text"/>	
Task #: 0002	Sediment Color: <input type="text"/> 2-S VR 3/3	Structure: <input type="text"/>	
Log Date: 2/28/22	Texture: <input type="text"/> Poorly graded sand	Type: <input type="text"/> Granular	
Lab Data	USDA Texture: <input type="text"/> SP	Grade: <input type="text"/> Weak	
Duplicates? <input type="checkbox"/>	USCS Texture: <input type="text"/> SP	Moderate <input type="checkbox"/>	
Grab? <input checked="" type="checkbox"/>	Plasticity: <input type="text"/> Non-plastic	Strong <input type="checkbox"/>	
Composite? <input type="checkbox"/>	Rocks? <input type="text"/> Few	Wood? <input type="checkbox"/>	
Mark: <input type="checkbox"/> Sediment	Common <input type="checkbox"/>	Black Wood <input type="checkbox"/>	
<input type="checkbox"/> Soil	Many <input type="checkbox"/>	Burned Wood <input type="checkbox"/>	
<input type="checkbox"/> Air	Coarse <input type="checkbox"/>	Sawdust <input type="checkbox"/>	
<input type="checkbox"/> Water	Very Coarse <input type="checkbox"/>	Wood Chips <input type="checkbox"/>	
# of Containers: <input type="text"/> 1	Cobbles <input type="checkbox"/>	Wood Pulp <input type="checkbox"/>	
Priority: <input type="checkbox"/> Urgent (1)	Fine Gravel <input type="checkbox"/>	Charcoal <input type="checkbox"/>	
<input checked="" type="checkbox"/> Standard (2)	Medium Gravel <input type="checkbox"/>		
<input type="checkbox"/> As Able (3)	Coarse Gravel <input type="checkbox"/>		
<input type="checkbox"/> As Needed (4)	Cobbles <input type="checkbox"/>		
Field Personnel:	Rocks? <input type="text"/> <15% 15-35%	Plant Fragments? <input type="checkbox"/>	
Logged By: <input type="text"/>	35-60% 60-90% 200%	Notes: <input type="text"/>	
Data Entry By: <input type="checkbox"/> Same as above <input type="checkbox"/>	Color? <input type="text"/> Petrochemical	Substrates? <input type="checkbox"/> <0.05 ft. <input type="checkbox"/> 0.05-1 ft. <input type="checkbox"/> 0.1-0.2 ft. <input type="checkbox"/> 0.2-0.5 ft. <input type="checkbox"/> >0.5 ft.	
	<input type="checkbox"/> Silt <input type="checkbox"/> Moderate <input type="checkbox"/> Strong	USDA Texture: <input type="text"/>	
Sample Remarks: <input type="text"/>	Lignite? <input type="checkbox"/> Sand/gravel? <input checked="" type="checkbox"/>	Notes: <input type="text"/>	
	Trap? <input type="checkbox"/>		
	Internal Remarks: <input type="text"/> 2/28/2022		
	1710		

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.

Sediment Log		Version 1.2, 1/20/16	
Page <u>2</u> of <u>2</u>	Location ID: <u>ED - 03.20 - SD01 - 0.3 - 1.1</u>	Interval: <u>0.7 ft to 1.4 ft</u>	
Client: Arconic Lafayette	Site Name: Elliott Ditch Ry-Rc		
Project Name: 315 - 057	Task #: 0002		
Log Date: 2/28/2022	Layer: <u>Z</u>	Gap: <u>1 ft</u>	
Lab Data			
<input type="checkbox"/> Duplicate?	<input checked="" type="checkbox"/> Glass?	<input type="checkbox"/> Composite?	
<input type="checkbox"/> Matrix? Sediment	<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Air	
<input type="checkbox"/> Water			
# of Containers: <u>1</u>			
Priority:			
<input type="checkbox"/> Urgent (1)	<input checked="" type="checkbox"/> As Able (3)	<input type="checkbox"/> As Needed (4)	
Field Personnel			
Labeled By: <u>Garrett Welch</u>	Date Entry By: <u>Same as above</u>		
Sample Remarks			
2/28/2022			
145			
Notes			
<input type="checkbox"/> Saturated bed? <input checked="" type="checkbox"/> Leaching?			
<input type="checkbox"/> Paint Fragments? <input type="checkbox"/> Substrates? <input checked="" type="checkbox"/> <0.65 ft Above Color <input type="checkbox"/> 0.05-0.1 ft <input type="checkbox"/> 0.1-0.2 ft <input type="checkbox"/> 0.2-0.5 ft <input type="checkbox"/> >0.5 ft USDA Texture? <input type="checkbox"/>			
Texture			
Sediment Color: <u>2.5 YR 3/3</u>	2nd Sediment Color: <u></u>	Structure	
<input type="checkbox"/> Granular	<input type="checkbox"/> Angular Blocky	<input type="checkbox"/> Weak	
<input type="checkbox"/> Subangular Blocky	<input type="checkbox"/> Single Grain	<input type="checkbox"/> Moderate	
<input type="checkbox"/> Angular Blocky	<input checked="" type="checkbox"/> Massive	<input type="checkbox"/> Strong	
<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	
Other Characteristics			
<input type="checkbox"/> Roots? Few	<input type="checkbox"/> Very Fine	<input type="checkbox"/> Wood?	<input type="checkbox"/> Wood
<input type="checkbox"/> Roots? Common	<input type="checkbox"/> Fine	<input type="checkbox"/> Black Wood	<input type="checkbox"/> Black Wood
<input type="checkbox"/> Roots? Many	<input type="checkbox"/> Medium	<input type="checkbox"/> Burned Wood	<input type="checkbox"/> Burned Wood
<input type="checkbox"/> Roots? Very Coarse	<input type="checkbox"/> Coarse	<input type="checkbox"/> Sawdust	<input type="checkbox"/> Sawdust
<input type="checkbox"/> Roots? Cobbles	<input type="checkbox"/> Very Coarse	<input type="checkbox"/> Wood Chips	<input type="checkbox"/> Wood Chips
<input type="checkbox"/> Roots? 28%	<input type="checkbox"/> Fine Gravel	<input type="checkbox"/> Wood Pulp	<input type="checkbox"/> Wood Pulp
<input type="checkbox"/> Roots? 15-36%	<input type="checkbox"/> Medium Gravel	<input type="checkbox"/> Charcoal	<input type="checkbox"/> Charcoal
<input type="checkbox"/> Roots? 35-60%	<input type="checkbox"/> Coarse Gravel		
<input type="checkbox"/> Roots? 60-90%	<input type="checkbox"/> Cobbles		
<input type="checkbox"/> Odor? Petrochemical	<input type="checkbox"/> Slight	<input type="checkbox"/> Moderate	<input type="checkbox"/> Strong
<input type="checkbox"/> Odor? Sulfur	<input type="checkbox"/> Moderate	<input type="checkbox"/> Strong	
<input type="checkbox"/> Odor? Other	<input type="checkbox"/> Strong		

Figure 3. Sample paper sediment logging form. Paper forms will be used only if the electronic data logging system is not available.