205878

REMOVAL ASSESSMENT REPORT
FOR
ALLIED PAPER - KALAMAZOO RIVER SITE
OTSEGO/PLAINWELL, MICHIGAN

February 2002

Prepared for:

U.S. Environmental Protection Agency
Emergency and Remedial Response Branch
Region V
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REMOVAL ASSESSMENT REPORT
FOR
ALLIED PAPER - KALAMAZOO RIVER SITE
OTSEGO/PLAINWELL, MICHIGAN

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ABBREVIATIONS AND ACRONYMS

1,2,3,4,6,7,8 HpCDD	1,2,3,4,6,7,8-heptachlorodibenzo-*p*-dioxin
2,3,7,8 TCDD	2,3,7,8-tetrachlorodibenzo-*p*-dioxin
CDD	Chlorinated dibenzo-*p*-dioxin
CDF	Chlorinated dibenzofuran
CLP	Contract Laboratory Program
COC	Chain of Custody
CRL	Central Regional Laboratory
DCN	Docket Control Number
DOT	U.S. Department of Transportation
EPA	Environmental Protection Agency
FIELDS	Fully Integrated Environmental Location Decision Support
FS	Feasibility Study
FSP	Field Sampling Plan
ft^3/sec	Cubic feet per second
GC/MS	Gas chromatograph/mass spectrophotometer
GC	Gas chromatograph
GPS	Global Positioning System
in.	Inches
in bgs	Inches below ground surface
KRSG	Kalamazoo River Study Group
MCP	Mobile Command Post
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
mg/kg	milligrams per kilogram
MS/MSD	Matrix spike/matrix spike duplicate
ng/kg	Nanograms per kilogram
NIST	National Institute of Standards
OCDD	Octachlorodibenzo-*p*-dioxin
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated biphenyl
POTWs	Publicly-Owned Treatment Works
ppb	Parts per billion
ppm	Parts per million
PVC	Polyvinyl chloride
QA/QC	Quality Assurance/Quality Control
QA	Quality Assurance
RI	Remedial Investigation
SAS	Special Analytical Services
START	Superfund Technical Assessment and Response Team
SWOK	Southwest Laboratory of Oklahoma
TDD	Technical Direction Document

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TEQ	Toxicity Equivalents
TOC	Total Organic Carbon
ug/kg	Micrograms per kilogram
USGS	United States Geological Survey
WESTON	Roy F. Weston, Inc.

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SECTION 1

INTRODUCTION

On 21 May 2001, U.S. Environmental Protection Agency (U.S. EPA) Region V On-Scene Coordinators (OSCs) Sam Borries and Brad Stimple and the Roy F. Weston, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START) initiated a Removal Assessment at the Allied Paper - Kalamazoo River Site located between the Otsego City dam in Otsego, Allegan County, Michigan, and Main Street in Plainwell, Allegan County, Michigan (See Figure 1-1). The site assessment activities were conducted under Technical Document Directive (TDD) 0103-002.

1.1 OBJECTIVES AND SCOPE OF REMOVAL ASSESSMENT

The purpose of this Removal Assessment was to provide more accurate analytical data for modeling the extent of polychlorinated biphenyl (PCB) contamination in the Kalamazoo River sediments and floodplain soils. Specific objectives of the Removal Assessment were as follows:

- Provide a more complete understanding of the relationship of PCBs and dioxins in the Kalamazoo River sediment/soil to promulgate the direction of future Kalamazoo River sampling and potential remediation activities.

- Provide data for comparison between the 1994 sampling event and this removal assessment area;

- Refine the volume estimation of contaminated sediment to be removed from the assessment area;

- Determine the delineation and extent of contamination of sediments, exposed sediments, and floodplain soils;

- Provide data from analytical results that will aid in the definition and evaluation of

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alternative remedies and provide criteria for a more refined cost analysis for the removal of contaminated sediment/soil.

To accomplish these goals, the Removal Assessment team collected soil and sediment samples from two preliminary site areas along the Kalamazoo River that were expected to be a representative cross-section of sediment type, flow characteristics, and environmental histories. Section one is the area of the river from Main Street in Plainwell to the Plainwell dam. Section two is the area from the Plainwell dam to the Otsego City dam.

The samples were collected in two phases. The first phase of sampling included a systematic grid in the floodplain areas and transects of the river and exposed sediments. Samples were collected from two target substrates: sediment and soil. These samples were then analyzed for PCBs (aroclors), and select samples were also analyzed for total organic carbon (TOC) and dioxin analysis.

The second phase implemented a radial grid system the U.S. EPA Fully Integrated Environmental Location Decision Support (FIELDS) group design around selected boring locations that were previously sampled during the Phase I activities. The radial clusters were selected in order to include both of the target substrates: sediment and soil. Samples from Phase II were analyzed for PCBs only.

1.2 REPORT ORGANIZATION

This Removal Assessment Report is divided into nine sections including the following:

- Introduction – The introduction provides a brief description of the objective and scope of the Removal Assessment activities.

- Site Background – The site background provides the site description, site history, and a summary of previous investigations.

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- Site Characteristics - The site characteristics section provides information regarding the site geology, hydrology, demographics, and land use.

- Environmental Investigation Procedures – The environmental investigation activities section describes the methods and procedures used during the Removal Assessment activities.

- Environmental Investigation Results – The environmental investigation results section describes the results of sample analysis.

- References – The reference section provides a list of references utilized in compiling the report.

All figures and tables referenced in the text of the document are presented in separate sections after the text.

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SECTION 2

SITE BACKGROUND

2.1 SITE DESCRIPTION

The Kalamazoo River is located in southwestern Michigan's lower peninsula and stretches approximately 123 miles from the City of Albion to Saugatuck, where it drains into Lake Michigan. For identification, the investigative area was divided into two segments, or reaches, between the Otsego City dam in Otsego, Michigan, and the Main Street bridge in Plainwell, Michigan (Figure-1-1). These reaches were expected to be a representative cross section of sediment type, flow characteristics, and histories for the total area of the Kalamazoo River that is under investigation. Investigative reach one is the segment of the river from the Main Street bridge in Plainwell, Michigan, to the former Plainwell Dam. The length of this reach is approximately 1.8 miles. The upstream portion is somewhat channelized and the downstream portion is a former impoundment (FIELDS, 2001). In this reach, the river has an average width of approximately 197 feet with an average depth of approximately 3.7 feet and is comprised of historically deposited sediments that are currently vegetated (BBL, 2000). Investigative reach two is the segment from former Plainwell Dam to Otsego City Dam in Otsego, Michigan, and also has a channel length of approximately 1.8 miles. The upstream portion of the river has multiple (possible shifting) channels and a more extensive flood plain. A single channel resumes in the downstream portion of this section (FIELDS, 2001). Reach two has an average width of approximately 450 feet and average depth of approximately 2.5 feet. The impoundment in this reach has retained large amounts of silt. The shoreline of the investigative area includes wetland areas that are classified as a permanently flooded, lower perennial systems with unconsolidated bottoms (BBL, 2000).

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The former Plainwell, Otsego, and Trowbridge Dams, which the Michigan Department of Natural Resources (MDNR) owns, were permanently opened by MDNR and the impoundments drawn down to their sill levels in the early 1970s. In 1987, MDNR removed these dams down to their sills, which still impound some water and sediment.

Environmental conditions during the sampling period include typical late-spring vegetation found in Michigan wetland, woodland and prairie soils, and peat. Dense stands of cattail, horsetail and other marsh grasses, and thickets of willow and mature hardwoods inhabit many sites sampled from land.

During the Phase I sampling activities, persistent seasonal rains led to the presence of significant amounts (up to 2.5 feet in some locations) of standing water at selected soil sampling locations. During this phase, the river level was high, and the current was swift. During Phase II sampling activities, the weather was hot and dry reducing the amount of standing water relative to Phase I. The river level during Phase II was low with a slow-moving current. Weather summaries for the months of May, June, July, and August 2001 in Grand Rapids, MI, (38 miles north of Plainwell) are shown in Table 2-1.

Some sections of floodplain soils and exposed sediments along the investigative stretch of the river contained visible, fibrous paper waste at the surface. Evidence of apparent petroleum contamination was noted at a number of locations during the sampling period. For example, a surface sheen and petroleum odor were noted after retrieving a sample core from the shallow water location on the northern side of the Otsego City Dam in Reach 2. In addition, a distinct odor of petroleum was noted while on location at the 12th Street Landfill emanating from the ground surface.

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2.2 SITE HISTORY

In the United States, Monsanto Industrial Chemicals Company exclusively produced PCBs as mixtures of PCB congeners for commercial under the trade name Aroclor. Although most PCBs produced in the United States were used in electrical components, they were also used for other applications including the manufacture of carbonless copy paper from 1957 through 1971. Sources that contributed PCBs to the river included paper manufacturing facilities that recycled paper between the late 1950s and early 1970s as well as a variety of other industries that used PCB products.

Dioxin contamination of waterways and soil have also been linked to the manufacture of paper products. Dioxin is a generic term for a group of 75 related chemicals that are a by-product of the chlorine bleaching process used for pulp and paper, and they are also known to be by-products of some combustion processes and chemical manufacturing. Members of this group of chemicals are environmentally persistent, tend to bioaccumulate in human and wildlife tissue, and are known to be highly toxic and probable human carcinogens (U.S. EPA, 1990).

PCBs have entered the Kalamazoo River by several routes including direct discharge such as wastewater effluent, indirect discharge through publicly owned treatment works (POTWs), and non-point source runoff from upland areas.

PCBs are listed as the constituent of concern in the Kalamazoo River by both the National Priorities List (NPL) Site scoring package and the 1991 *Preliminary Public Health Assessment* the U.S. Agency for Toxic Substances and Disease Registry (ATSDR) issued. In 1972, the Federal Clean Water Act was passed, and this is believed to be a cause for early water quality

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SECTION 3

SITE CHARACTERISTICS

3.1 GEOLOGY

The geologic setting of the Kalamazoo River basin was shaped by glacial activity that occurred approximately 15,000 to 17,000 years ago. Large quantities of outwash sand and gravel deposits were produced during the retreat of the glacial ice lobes. In the region currently comprised of western Kalamazoo and Allegan counties, sandy to very sandy till and massively to poorly bedded, cobbly sand with isolated lenses and pockets of sandy clay were deposited as the ice lobes temporarily halting their retreat. This depositional event formed the Kalamazoo Moraine, which is one of the largest continuous ridges in southern Michigan. The glacial deposits range in thickness from approximately 50 feet to 200 feet and overlie the Coldwater shale. The shale is greater than 500 feet thick and dips northeast (BBL, 2000).

3.2 HYDROLOGY

Stream conditions within the investigative area of the Kalamazoo River vary from swift-moving open water to standing backwater. A United States Geological Survey (USGS) stream gage at the former Plainwell Dam recorded daily mean discharge for the period of 22 September 2000 through 30 September 2001 ranging from 410 - 4,510 cubic feet per second (ft^3/sec). The greatest discharge during this period was recorded in February 2001, and the lowest discharge was recorded in November 2000. Daily mean discharge for the sampling months of May through August 2001 range from 548 - 3,860 ft^3/sec (USGS 2001). Historic USGS flow data for other reaches of the river indicate relatively little long-time variation. Factors contributing to this pattern of stability include a predominantly rural watershed and the presence of several impoundments along the river (BBL, 2000).

MDNR owns the former Plainwell Dam as well as the Otsego and Trowbridge Dams, which are both within 10 miles downstream of the former Plainwell Dam. MDNR permanently opened these dams with the impoundments drawn down to their sill levels in the early 1970s. The natural river channel has not been completely reinstated, and hydraulic heads of approximately 5 to 10 feet exist. After the drawdown of these impoundments, sediments that the water column once covered were exposed and now comprise floodplains in these areas. The continuing changes in channel shape and position within the former impoundments are evident from the sloughing and erosion of the steep banks that were rapidly created as a result of the drawdowns. In 1987, the MDNR removed these dams down to their sills, which still impound some water and sediment. MDNR inspected the three MDNR-owned dams in 1995 and 1996, and consultants to the Michigan Department of Environmental Quality again inspected the dams in 1999 (Camp, Dresser & McKee, Inc. [CDM]). All three received a high-hazard-potential classification due to their crumbling structures and unsafe conditions. The Wildlife Division of the MDNR currently owns the dams, and a representative of the Allegan State Game Area operates them (BBL, 2000).

3.3 DEMOGRAPHICS AND LAND USE

In 2000, the population of Allegan County was estimated to be 105,665 with 28.9% of the population less than 18 years old and 11.1% over 65 years old. The majority (93.5 %) of the population is caucasian (UCB, 2000).

Within Allegan County, the river flows through five cities and villages: the City of Plainwell (2000 population of 3,933), the City of Otsego (2000 population of 3,933), the City of Allegan (2000 population of 4,838), the Villiage of Douglas (2000 population of 1,214), and the City of Saugatuck (2000 population of 1,065) (UCB, 2000).

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The upper areas of the former Plainwell Impoundment are in the city of Plainwell and contain residential, commercial, and industrial land uses. Farther downstream, rural land uses dominate the former Plainwell impoundment. The Plainwell, Inc., Mill is located adjacent to the river within this segment, and the 12th Street Landfill is located adjacent to the Plainwell Dam (BBL, 2000).

Land use within the Otsego City Impoundment is predominantly rural and residential, with limited crop and pasture lands, woodlands, and forests. Extensive braided channels and wetlands exist in this reach. Limited residential, industrial, and commercial development characterize land use in the lower portion of the segment. Brookside Park is located on the southern shore in the City of Otsego (BBL, 2000).

Between Otsego City Dam and the former Otsego Dam, the river flows through the City of Otsego where there is considerable industrial development in the vicinity of the M-89 bridge. The downstream portion, which is rural in character, is the former Otsego Impoundment. Land use surrounding the former Otsego Impoundment includes forest, agriculture, and limited residential areas (BBL, 2000).

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SECTION 4

ENVIRONMENTAL INVESTIGATION PROCEDURES

On 21 May 2001, WESTON START personnel began sampling the Kalamazoo River in an attempt to further characterize the nature and extent of PCB contamination in the sediments and soils in the stretch of river from the Otsego City Dam in Otsego, Michigan, to the Main Street bridge in Plainwell, Michigan. On-site personnel included representatives from U.S. EPA, WESTON, U.S. EPA FIELDS, and Michigan Department of Environmental Quality (MDEQ). Samples were collected in two phases. Phase I samples were collected in order to determine the nature and extent of PCB contamination within the two reaches of the Kalamazoo River that were under investigation. Phase II was designed to further characterize and delineate the extent of contamination of soils and sediments at selected boring locations. Phase I sampling took place from 21 May through 7 June 2001, and Phase II sampling took place from 23 July through 30 August 2001. Appendix A contains selected photographs taken during Phase I and Phase II activities. Figure 4-1 shows the sampling locations for both Phase I and Phase II activities.

4.1 FIELD INVESTIGATION AND TECHNICAL APPROACH

4.1.1 Sample Location Design

The investigative area of the river to be sampled during the Removal Assessment activities was selected because it was expected to be a representative cross section of sediment types, flow characteristics, and histories. For identification, the investigative area was divided into two segments, or reaches. Reach 1 is the approximately 1.8-mile stretch of river from the Main

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Street bridge in Plainwell to the Plainwell Dam. Reach 2 is the approximately 1.8-mile stretch of river from the Plainwell Dam to the Otsego City Dam. Samples from Phase I and Phase II were collected from both reaches of the river.

FIELDS personnel selected, identified and flagged each of boring location for Phase I and Phase II, which were located in real-time using a total station Global Positioning System (GPS).

4.1.1.1 Phase I Sampling

During Phase I, borings were collected from a total of 118 locations, including 69 locations in soil and 45 locations in sediment. Sediment samples consisted of those samples taken from within the banks of the river while soil samples consisted of samples collected from floodplain as well as wetland soils. Phase I boring locations were dispersed throughout a 300-foot grid in the floodplain with 8 transects across the river within Reach 1 and a 500-foot grid in the floodplain with 5 transects across the river within Reach 2.

Borings were conducted to the deepest depth possible below the ground surface or sediment-water interface, until native soil was reached, or until sampling equipment encountered refusal. Care was taken to maintain the soil and sediment stratigraphy within the core during the sampling process. Whenever possible, soil and sediment borings were completed by pushing Lexan® tubes into the substrate to collect a relatively undisturbed core. A 4-inch diameter bucket auger was used at locations in soil where using a Lexan tube was not possible. See section 4.3 for a complete description of sampling methods.

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Sediment cores and soil borings were sampled for analysis of PCBs at the following intervals: 0-6 inches (in), 6-12 in, and 1-foot increments thereafter. In some instances where obvious stratigraphic horizons were noted, analytical samples were not collected within the above prescribed intervals. Instead, visually similar soils were containerized within the same sample. The selection of samples submitted for TOC and dioxin analysis was done on a core-by-core basis and was generally determined by the amount of fine-grained, organic particles present within the sample. In all cases, actual sample depth intervals were recorded along with complete core descriptions.

4.1.1.2 Phase II Radial Sampling

Phase II implemented radial grids, or clusters, around selected boring locations from the Phase I sampling activities in order to more fully characterize the substrate in those areas. The boring locations for Phase II were selected based on Phase I analytical results. Phase I borings that yielded high, medium, and low PCB concentrations were chosen as the center points for the Phase II sampling grids. The exception to the center point placement within a grid is found in Grid 5 (SD030). In this case, Phase I location SD030 was in the river where the water depth dropped off fairly rapidly and where the river current was swift. For ease of sample collection, the center of the grid was moved approximately 40 feet shoreward, to the west, to the area of shallower water directly adjacent to the original placement of location SD030. The radial design of the grid was implemented in exactly the same manner as the other grids, with the exception that the center point was offset for this reason.

A total of eight sample grids were selected for Phase II. Four were predominantly composed of soil, and four were predominantly composed of sediment. Some grids, however, included both substrate types. For example, Grids 4 and 5 (SL053 and SD030, respectively) included sample

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locations in water (sediment) and on land (exposed sediment and floodplain soil). Phase II sample borings were collected from a total of 269 sample locations with an average of 34 locations per grid.

Where possible, the radial grids consisted of borings that were collected with predetermined distances of 5 feet (ft), 10 ft, 20 ft, 40 ft, 80 ft, and 160 ft in each of four directions offset by 45 degrees with each increasing radial increment. During Phase II, all soil borings were conducted with a 4-inch diameter bucket auger, and sediment cores were captured with Lexan tubing (2- or 3-inch diameter). As was described for Phase I, total core and boring lengths varied during Phase II as sampling was conducted to the deepest depth possible below the soil surface or sediment-water interface, until native substrate was reached, or until sampling equipment encountered refusal.

Samples for PCB analysis were collected from the same core intervals as stated for Phase I, including the same considerations for clearly visible stratigraphic layers.

4.2 CHEMICAL ANALYSIS AND ANALYTICAL METHODS

Samples to be analyzed for PCB and dioxin/furan were submitted to Southwest Laboratory of Oklahoma (SWOK). PCB samples were submitted under the U. S. EPA Contract Laboratory Program (CLP). Dioxin/furan samples were submitted under the special analytical services agreement with SWOK. TOC samples were submitted to the U.S. EPA Central Regional Laboratory (CRL) for analysis.

Field quality control was achieved by collecting field duplicates and matrix spike (MS/MSD) samples and by including temperature blanks in each sample-containing cooler that was shipped

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off-site to a laboratory. Field duplicates were collected at a frequency of one per 10 investigative samples per parameter, given a unique sample identification number and were submitted to the laboratory as a "blind" duplicate to avoid laboratory bias. Field duplicates were analyzed to check for sampling and analytical reproducibility. MS/MSD samples were used to provide information about the effect of the sample matrix on the preparation and measurement methodology for organic analyses. MS/MSD samples were analyzed at a minimum of 1 per 20 investigative and duplicate samples. The temperature blanks were used to ensure that each cooler arrived at the laboratory at the appropriate temperature (4 °C) for maintaining sample preservation.

Sample chain-of-custody records for all laboratories were produced using U. S. EPA Forms II Lite software and included were with the samples for shipment.

4.3 FIELD SAMPLING METHODOLOGIES

4.3.1 Soil Sampling Methodologies

Sample teams collected floodplain soil and exposed sediment from 69 locations during Phase I and 142 locations during Phase II. To obtain soil samples during Phase I, typically a 4-foot-long, 2- or 3-inch-diameter piece of Lexan tubing was hand driven into the soil until refusal. To maintain vacuum while collecting these samples, a cork was used to ensure that the samples remained intact during retrieval. To assist in this process, a length of Polyvinyl Chloride (PVC) was attached to the top of the tube to allow the whole unit to be struck with a slam bar in an effort to drive the tube into the soil. Nondedicated pieces of this sampling apparatus were decontaminated in the field with a series of solvent rinses as described in Section 4.5 prior to use

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for a different core at that location or at another location. Intact cores were labeled, photographed, and returned to the mobile command post (MCP) for sample processing.

When soil conditions prevented the use of a Lexan tube with PVC sampling device or when the use of this combination did not penetrate the soils to a depth of 4 feet or reach native soil, a 4-inch diameter bucket auger was used to collect soil samples. This method was largely used during Phase II; however, it was used as necessary during Phase I. Phase I bucket-auger use included 5 locations that were sampled by bucket auger only and 11 locations that were initially sampled with a Lexan tube and PVC apparatus and then augered to a deeper depth when the Lexan tube would not penetrate any further. The T-handled, stainless-steel bucket auger was manually turned into the ground as soil entered the 2- or 4-inch-diameter bucket head. In this manner, discreet intervals of soil were retrieved from the borehole 6 inches at a time. During the augering process, different, decontaminated bucket heads were used for each interval to be sampled for chemical analysis. Decontamination procedures are outlined in Section 4.5.

4.3.2 Sediment Sampling Methodologies

Sample teams collected sediment cores from 45 locations during Phase I and 126 locations during Phase II. In areas of the river with weak currents and shallow water (less than 3 feet deep), sample teams used waders to access the sample locations. Areas of stronger currents or deeper water required the use of one of the available WESTON- or U.S. EPA-owned surface vessels; a 15-foot pontoon boat equipped with a 25 horse power (h.p.) motor (WESTON), a 16-foot pontoon boat equipped with a 60-h.p. motor (WESTON), a 14-foot jon boat equipped with a 15-h.p. motor (WESTON), or a 16-foot jon boat equipped with a 15-h.p. motor (U.S. EPA). As was used for the terrestrial sampling, sample teams used a Lexan tube with the PVC apparatus

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and slam bar to collect sediment cores (method described below). In the case of water deeper than approximately 4 feet, a PVC extension was added on to the sampling apparatus to allow the sampling team to reach and penetrate the sediment-water interface.

Sediment collection occurred in water depths that ranged from approximately 1.5 to 6 feet. Water depths of 9 feet or more were observed in the downstream sections of Reach 2 between the former Plainwell Dam and the Otsego City Dam.

4.4 SAMPLE PROCESSING

Borings that were collected as intact cores with Lexan tubing were delivered to the MCP for geologic logging and sampling for chemical analysis. All boring logs are included in Appendix B of this report. At the MCP, cores were placed on a table covered with a clean sheet of polypropylene and split open. After a variety of methods were tested, it was determined that a jig saw was the most effective tool to split the cores. The saw was used to cut the cores open lengthwise, thereby exposing the laminated sediment or soil for immediate geological logging and then sampling. The saw blade was decontaminated after use on each core, using the decontamination procedures provided in Section 4.5.

Each sample interval from the core was placed into a disposable aluminum pan and carefully homogenized with a clean, disposable, plastic scoop. Aliquots of the homogenized substrate were then placed into clear, 8-ounce, wide-mouth glass jars for PCB analysis and clear, 4-ounce, wide-mouth glass jars with teflon-lined caps for TOC analysis. The full jars were kept in coolers on-site at 4°C. When a dioxin sample was taken from a core, all other analytical samples were

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taken first; all remaining core material was homogenized in one pan. An aliquot for dioxin analysis was removed to a clear, 4-ounce glass jar with a teflon cap and cooled to 4°C.

At those locations where use of the bucket auger was necessary, borings were collected, geologically logged, and packed into jars in the field. The bucket head was emptied with a new paint stick into a disposable aluminum pan, logged, homogenized with a new, plastic scoop, and packed into labeled sample jars as described above for the various analytes. These jars were then returned to the MCP for further processing.

4.5 SAMPLE PACKAGING, STORAGE, AND SHIPMENT

Sample jars were labeled and shipped with a sample tag affixed to each jar. Sample jars were contained in plastic zipping bags and placed in coolers packed with ice for preservation at 4°C. All sample documents were affixed to the underside of each cooler lid. The cooler lid was sealed with custody seals and shipping tape and labeled with the origin and destination locations. Samples were shipped overnight via Federal Express to the appropriate laboratories.

4.6 DECONTAMINATION

All nondedicated equipment that was used in contact with sample material was decontaminated between uses. To decontaminate this equipment, it was first scrubbed thoroughly with soft-bristle brushes in an Alconox detergent solution and rinsed with distilled water by submerging or spraying. The equipment was then treated with spray rinses of an isopropanol solution and a hexane solution, followed by a final rinse of distilled water until dripping. Equipment that was to be used right away was placed on polypropylene or aluminum foil and allowed to air dry for 5

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to 10 minutes. Equipment that was to be stored or handled prior to its next usage was allowed to air dry for 1 to 2 minutes and was then wrapped in aluminum foil. All decontamination wastewater was containerized in 55-gallon drums.

4.7 SITE CONTROL MEASURES

All spent personal protective equipment (PPE) materials and contaminated debris and liquid that was generated during sampling and sample processing were containerized in 55-gallon drums, labeled, and transported to the 12th Street Landfill in Otsego, MI, for storage.

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SECTION 5

ENVIRONMENTAL INVESTIGATION RESULTS

This section presents the soil and sediment results of each river reach investigated during Phase I as well as each of the eight grids investigated during Phase II.

5.1 PHASE I SAMPLING RESULTS

Phase I sampling activities included the collection of 69 soil borings and 45 sediment cores along the Kalamazoo River and adjacent floodplains from the Main Street bridge in Plainwell, Michigan, to the former Otsego City dam in Otsego, Michigan. Table 5-1 summarizes the sampling activities for this phase of the investigation. Complete analytical results from Phase I sampling activities are presented and Tables 5-2 through 5-5. Sample location figures that indicate the location of Phase I samples and their respective analytical results are provided in Figures 5-1 through 5-7.

Borings, cores, and samples are described in Section 5 as either soil or predominantly soil-type material or sediment or predominantly sediment-type material. Determination of substrate type material was done with regard to the environment from which the sample was taken. Those samples described as soil or predominantly soil-type material were gathered from an area where the ground surface is always above the waterline, except perhaps in cases of extremely heavy rains, which could leave pockets of standing water on the landscape. Those samples described as sediment or predominantly sediment-type material were gathered from an area that was submerged all or part of the time due to the level of water in the river or exposed groundwater table and generally lacked terrestrial vegetation.

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For comparison purposes, average sample depth groupings were created and are used in the following discussions of analytical results. The "Average Sample Depth" was calculated as the mean depth of the sample taken within a core. For example, if a sample taken for PCB analysis was a composite of soil from 6 to 12 inches below the ground or sediment surface (in. bgs) within a core, then the average sample depth would be 9 in. bgs and the analytical results from that interval would be tabulated under the column entitled "6 - 12 in. bgs."

Total PCB concentrations were determined as a summation of individual Aroclor concentrations. Results were obtained for Aroclors -1016, -1221, -1232, -1242, -1248, -1254, and -1260 for each sample and the concentrations of these were added together to obtain the total PCB concentration for that sample. Aroclor concentrations that were below laboratory method detection limits were assumed to be zero. In the case where all Aroclor concentrations were below method detection limits, the result presented in the tables is the detection limit flagged with a "U" instead of a summation of all Aroclor concentrations. Aroclor-1242 is always found in greatest concentration relative to other Aroclor compounds within each sample grouping discussed below; Phase I reaches and Phase II grids.

Toxicity Equivalents (TEQs) for individual chlorinated dibenzo-*p*-dioxins (CDDs) and chlorinated dibenzofurans (CDFs) were calculated using International Toxicity Equivalency Factors (I-TEFs/89) and analytical results obtained in this study (U.S. EPA, 1989). This method estimates the toxicity of a mixture of CDDs and CDFs relative to the toxicity of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (2,3,7,8 TCDD), a compound that is toxic at very low doses, a probable human carcinogen and among the most potent of known animal carcinogens. Total TEQs for each sample were calculated as a sum of the individual TEQs for each compound within a sample. Total TEQs and measured concentrations of all contributing CDDs and CDFs for Phase I samples are presented in Table 5 - 3 and Table 5 - 5.

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5.1.1 Phase I Soil Sampling Results

5.1.1.1 Reach 1 Soil Sampling Results

A total of 147 investigative soil samples were collected from 38 borings (SL001 - SL009, SL011 - SL038 and SL048) within Reach 1 and analyzed for PCBs during Phase I. Results from this sampling are summarized in Table 5-2. The individual Aroclor compound that was detected most frequently in the Reach 1 soils was Aroclor-1260, found in 77% of the samples. Aroclor-1242 was detected at the highest concentration in these samples (65,000 ug/kg) and it was present in 63% of the samples.

The highest total PCB concentrations in Phase I Reach 1 soils were found at the following locations: SL005 (0 - 6 in. bgs), SL001 (6 - 12 in. bgs) and SL031 (6 - 12 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SL005 (0 - 6 in. bgs), the total PCB concentration was 84,100 ug/kg; Aroclor-1242 was detected at 65,000 ug/kg, Aroclor-1254 at 14,000 ug/kg, and Aroclor-1260 at 5,100 ug/kg.
- At SL001 (6 - 12 in. bgs), the total PCB concentration was 79,000 ug/kg; Aroclor-1242 was detected at 49,000 ug/kg, Aroclor-1254 at 18,000 ug/kg, and Aroclor-1260 at 12,000 ug/kg.
- At SL031 (6 - 12 in. bgs), the total PCB concentration was 68,600 ug/kg; Aroclor-1242 was detected at 56,000 ug/kg, Aroclor-1254 at 11,000 ug/kg, and Aroclor-1260 at 1,600 ug/kg.

Table 5-6 presents the statistical analysis of Phase I soil PCB data from Reach 1. Approximately 17% of the samples were reported to have PCB concentrations below the laboratory detection limits,

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and 39% contained levels of PCBs that were above 1,000 ug/kg. By plotting PCB concentrations against sample depth (Figure 5-8), it can be seen that the majority of those PCB concentrations above 1,000 ug/kg were detected in soil at average sample depths from 0 - 24 in. bgs. As indicated in Figure 5-8 and Table 5-6, PCB concentrations tend to decrease as sample depth increases.

A total of 60 investigative soil samples from Reach 1 were analyzed for TOC during Phase I (Table 5-2). The average TOC concentration in soil in Reach I was 3.59%, and the maximum reported TOC concentration in these samples was 6.3%, found at SL001, 6 - 12 in. bgs and SL015, 0 - 6 in. bgs. There appears to be little correlation between PCB and TOC concentrations within this section of the river. However, there is a slight indication that TOC concentrations may increase as PCB concentrations increase. A scatter plot illustrating the relationship between TOC and PCB concentrations is found in Figure 5-9.

Dioxin analysis was performed on three soil borings retrieved from Reach 1 soils (SL005, SL009, and SL033). The maximum dioxin/furan compound concentration detected in the soils of Reach 1 was octachlorodibenzo-*p*-dioxin (OCDD) (Table 5-3). The dioxin 1,2,3,4,6,7,8-heptachlorodibenzo-*p*-dioxin (1,2,3,4,6,7,8 HpCDD) was also measured at relatively high concentrations in Phase I Reach 1 soil borings. Total TEQs and concentrations of the contributing dioxins that were found in greatest abundance in these soils are presented below, in order of decreasing total TEQ:

- At SL005 (0-29 in. bgs), total TEQ was calculated at 204.9; OCDD was detected at 58,110 nanograms/kilogram (ng/kg), 1,2,3,4,6,7,8 HpCDD at 6,626 ng/kg.
- At SL033 (12-24 in. bgs), total TEQ was calculated at 61.24; OCDD was detected at 16,000 ng/kg, 1,2,3,4,6,7,8 HpCDD at 1,563 ng/kg.
- At SL009 (24-32 in. bgs), total TEQ was calculated at 1.830; OCDD was detected at 478.3 ng/kg, 1,2,3,4,6,7,8 HpCDD at 7,205 ng/kg.

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5.1.1.2 Reach 2 Soil Sampling Results

A total of 133 investigative soil samples were collected from 31 borings (SL039 - SL046, SL049 - SL069, SL071, and SL072) within Reach 2 and were analyzed for PCB during Phase I. All PCB and TOC sampling results are summarized in Table 5-2. The Aroclor compound that was detected most frequently in these Reach 2 soils was Aroclor-1260. All soil samples collected from Reach 2 during this Phase contained detectable levels of Aroclor-1260. Aroclor-1242 was found at the highest concentration in these samples (52,000 ug/kg) and was detected in 27% of the samples.

The highest total PCB concentrations in Phase I Reach 2 soils were found at the following locations: SL055 (6 - 12 in. bgs), SL055 (12 - 24 in. bgs), and SL058 (6 - 12 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SL055 (6 - 12 in. bgs), the total PCB concentration was 60,700 ug/kg; Aroclor-1242 was detected at 52,000 ug/kg, Aroclor-1254 at 6,700 ug/kg, and Aroclor-1260 at 2,000 ug/kg.
- At SL055 (12 - 24 in. bgs), the total PCB concentration was 48,800 ug/kg; Aroclor-1242 was detected at 41,000 ug/kg, Aroclor-1254 at 5,700 ug/kg, and Aroclor-1260 at 2,100 ug/kg.
- At SL058 (6 - 12 in. bgs), the total PCB concentration was 37,000 ug/kg; Aroclor-1242 was detected at 26,000 ug/kg, Aroclor-1254 at 8,100 ug/kg, and Aroclor-1260 at 2,900 ug/kg.

Approximately 64% of Phase I Reach 2 sediment samples were reported to contain concentrations of PCBs below the laboratory method detection limits and 13% contained levels of PCBs that were above 1,000 ug/kg. This and other statistical data are found in Table 5-7. Figure 5-10 presents a scatter plot of PCB concentration versus sample depth and illustrates that the majority of PCB

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concentrations above 1,000 ug/kg were detected at average sample depths from 0 - 24 in. bgs. Figure 5-10 also illustrates that PCB concentrations decrease as the average sample depth increases.

A total of 73 investigative soil samples from Reach 2 were analyzed for TOC during Phase I and the results are presented in Table 5-2. The average TOC concentration in soil of Reach 2 for these samples was 3.65%, and the maximum reported TOC concentration in this section was 7.8%, found in the sample acquired at location SL041 (6 - 12 in. bgs). Figure 5-11 presents is a scatter plot displaying the relationship of TOC and PCB concentrations. This figure indicates that TOC concentrations tend to increase with increasing PCB concentrations within soils from Reach 2.

Dioxin analysis was performed on four soil borings from Reach 2 during Phase I (SL055, SL058, SL060 and SL065). The dioxin compound found to be at highest concentrations in these soils was OCDD (Table 5-3). Also present in relatively considerable concentrations was dioxin 1,2,3,4,6,7,8 HpCDD. Total TEQs and concentrations of the contributing dioxins that were found in greatest abundance in these soils are presented below, in order of decreasing total TEQ:

- At SL058 (0-36 in. bgs), total TEQ was calculated at 91.40; OCDD was detected at 23,680 ng/kg, 1,2,3,4,6,7,8 HpCDD at 2,780 ng/kg.
- At SL060 (0-38 in. bgs), total TEQ was calculated at 64.37; OCDD was detected at 9,296 ng/kg, 1,2,3,4,6,7,8 HpCDD at 1,294 ng/kg.
- At SL055 (6-12 in. bgs), total TEQ was calculated at 25.49; OCDD was detected at 10,170 ng/kg, 1,2,3,4,6,7,8 HpCDD at 919.3 ng/kg.
- At SL065 (0-34 in. bgs), total TEQ was calculated at 0.7357; OCDD was detected at 244.4 ng/kg, 1,2,3,4,6,7,8 HpCDD at 30.04 ng/kg.

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5.1.2 Phase I Sediment Sampling Results

5.1.2.1 Reach I Sediment Sampling Results

A total of 53 investigative sediment samples from 14 Reach 1 cores (SD001 - SD009, SD016, SD018, SD022 - SD024) were analyzed for PCBs during Phase I. Analytical results for these samples are presented in Table 5-4. All of the Aroclor compounds detected were found at nearly the same frequency. Aroclors -1242 and -1254 were both detected in 43% of the samples, and Aroclor-1260 was detected in 42% of the samples. Aroclor-1242 was detected at the highest concentration in Phase I Reach 1 sediments (25,000 ug/kg).

The highest total PCB concentrations in Phase I Reach 1 sediments were found at the following locations: SL022 (12 - 24 in. bgs), SL016 (0 - 6 in. bgs), and SL018 (12 - 17 in. bgs). Total PCBs and contributing Aroclor concentrations at these locations and depths are as follows:

- At SD022 (12 - 24 in. bgs), the total PCB concentration was 33,100 ug/kg; Aroclor-1242 was detected at 25,000 ug/kg, Aroclor-1254 at 6,300 ug/kg, and Aroclor-1260 at 1,800 ug/kg.
- At SD016 (0 - 6 in. bgs), the total PCB concentration was 7,390 ug/kg; Aroclor-1242 was detected at 5,000 ug/kg, Aroclor-1254 at 1,800 ug/kg, and Aroclor-1260 at 590 ug/kg.
- At SD018 (12 - 17 in. bgs), the total PCB concentration was 6,030 ug/kg; Aroclor-1242 was detected at 3,600 ug/kg, Aroclor-1254 at 2,000 ug/kg, and Aroclor-1260 at 430 ug/kg.

Table 5-8 presents the statistical analysis of Phase I Reach 1 sediment sampling data. Approximately 55% of the samples were reported to contain concentrations of PCBs below laboratory method detection limits, and 19% contained levels of PCBs that were above 1,000 ug/kg.

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As depicted in Figure 5-12, the majority of those concentrations that were above 1,000 ug/kg were found at average sample depths of 0 - 24 in. bgs. The same figure also indicates that, PCB concentrations tend to decrease as average sample depth increases.

A total of 37 investigative sediment samples from Reach 1 were analyzed for TOC. The average TOC concentration in sediment in Reach 1 was 2.95%, and the maximum reported TOC concentration in this section was 6.5% found in SD005 (0 - 6 in. bgs.) (Table 5-4). Figure 5-13 illustrates that there is little or no correlation between PCB and TOC concentrations within this section of the river.

Dioxin analysis was performed on four sediment cores retrieved from Reach 1 (SD001, SD004, SD007 and SD022). The most concentrated dioxin/furan compound detected in the Phase I sediments of Reach 1 was OCDD (Table 5-5). The dioxin 1,2,3,4,6,7,8 HpCDD was also present in these samples at relatively high concentrations. Total TEQs and concentrations of the contributing dioxins that were found in greatest abundance in these sediments are presented below, in order of decreasing total TEQ:

- At SD004 (0-39 in. bgs), total TEQ was calculated at 150.9; OCDD was detected at 206 ng/kg, 1,2,3,4,6,7,8 HpCDD at 29.34 ng/kg.
- At SD001 (0-56 in. bgs), total TEQ was calculated at 136.8; OCDD was detected at 22,850 ng/kg, 1,2,3,4,6,7,8 HpCDD at 2,840 ng/kg.
- At SD007 (0-34 in. bgs), total TEQ was calculated at 76.98; OCDD was detected at 3,513 ng/kg, 1,2,3,4,6,7,8 HpCDD at 459.6 ng/kg.
- At SD022 (0-44 in. bgs), total TEQ was calculated at 67.43; OCDD was detected at 16,550 ng/kg, 1,2,3,4,6,7,8 HpCDD at 1,436 ng/kg.

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5.1.2.2 Reach 2 Sediment Sampling Results

A total of 134 investigative sediment samples from 31 Reach 2 cores (SD025 - SD055) were analyzed for PCBs during Phase I. Analytical results from this sampling are presented in Table 5-4. The Aroclor compound detected most frequently in the Reach 2 sediments was Aroclor -1242, detected in 56% of the samples. Aroclor-1242 was also detected at the highest concentration of any Aroclor in this sample group (58,000 ug/kg).

The highest concentrations of total PCBs in Phase I Reach 2 sediments were found at the following locations: SD051 (6 - 12 in. bgs), SD051 (0 - 6 in. bgs), SD029 (12 - 21 in. bgs), SD051 (12 - 20 in. bgs) and SD054 (19 - 24 in. bgs). Field personnel noted a strong smell of petroleum and visible surface sheen on the water as the sediment surface was disturbed in the areas around location SD051, the site of collection of the Phase I Reach 2 sediment sample with the highest PCB concentration. Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SD051 (6 - 12 in. bgs), the total PCB concentration was 82,100 ug/kg; Aroclor-1242 was detected at 58,000 ug/kg, Aroclor-1254 at 16,000 ug/kg, and Aroclor-1260 at 8,100 ug/kg.
- At SD051 (0 - 6 in. bgs), the total PCB concentration was 58,900 ug/kg; Aroclor-1242 was detected at 52,000 ug/kg, Aroclor-1254 at 5,200 ug/kg, and Aroclor-1260 at 1,700 ug/kg.
- At SD029 (12 - 21 in. bgs), the total PCB concentration was 50,400 ug/kg; Aroclor-1242 was detected at 40,000 ug/kg, Aroclor-1254 at 7,200 ug/kg, and Aroclor-1260 at 3,200 ug/kg.

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- At SD051 (12 - 20 in. bgs), the total PCB concentration was 26,600 ug/kg; Aroclor-1242 was detected at 16,000 ug/kg, Aroclor-1254 at 8,300 ug/kg, and Aroclor-1260 at 2,300 ug/kg.
- At SD054 (19 - 24 in. bgs), the total PCB concentration was 21,600 ug/kg; Aroclor-1242 was detected at 17,000 ug/kg, Aroclor-1254 at 3,200 ug/kg, and Aroclor-1260 at 1,400 ug/kg.

A statistical analysis of Phase I Reach 2 sediment data is presented in Table 5-9. Approximately 42% of the samples were reported to have PCB concentrations below laboratory method detection limits, and 14% contained levels of PCBs that were above 1,000 ug/kg. Figure 5-14, a plot of PCB concentrations against sample depth, indicates that the majority of those PCB concentrations above 1,000 ug/kg were detected in sediments at an average sample depth of 0 - 24 in bgs. The data represented in Figure 5-14 also suggests that PCB concentrations in sediments from Reach 2 during Phase I tend to decrease with increasing average sample depth.

A total of 76 investigative sediment samples were analyzed for TOC in Reach 2. The average TOC concentration in sediment in Reach 2 was 2.84%, and the maximum reported TOC concentration for this section of river during Phase I was 7.3% found in SD052, (12-24 in.bgs) (Table 5-4). Figure 5 illustrates a general trend indicating that there may be a slight correlation between PCB and TOC concentrations within Reach 2 and that TOC tends to increase slightly with an increase in PCB concentration.

Dioxin analysis was performed on nine sediment cores retrieved from Reach 2 during Phase I (SD026, SD027, SD029, SD035, SD040, SD049, SD051, SD052, and SD055). The most concentrated dioxin/furan compound detected in Reach 2 sediments was OCDD. Another dioxin, 1,2,3,4,6,7,8 HpCDD, was also found in relatively high concentrations in these sediments. Total TEQs and concentrations of the contributing dioxins that were found in greatest abundance in these

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sediments are presented below for those samples that yielded highest TEQs (in order of decreasing total TEQ):

- At SD055 (3-35 in. bgs), total TEQ was calculated at 824.0; OCDD was detected at 150,400 ng/kg, 1,2,3,4,6,7,8 HpCDD at 22,040 ng/kg.
- At SD052 (0-36 in. bgs), total TEQ was calculated at 371.3; OCDD was detected at 72,520 ng/kg, 1,2,3,4,6,7,8 HpCDD at 10,510 ng/kg.
- At SD029 (0-21 in. bgs), total TEQ was calculated at 341.8; OCDD was detected at 87,920 ng/kg, 1,2,3,4,6,7,8 HpCDD at 8,072 ng/kg.

5.2 PHASE II SAMPLING RESULTS

Phase II sampling activities included the selection of eight boring/core locations from Phase I sampling activities that were sampled in a radial grid pattern surrounding the original boring/core locations. Table 5-10 summarizes the samples that were collected during Phase II sampling activities. Complete analytical results from Phase II sampling activities are presented in Tables 5-11 through 5-18. Sample location figures that indicate where Phase II samples were located and their respective sample results are provided in Figure 5-16 through 5-24.

5.2.1 Grid 1 Sampling Results

Grid 1 was centered around Phase I sampling location SL015. The center of this grid was located within Reach 1on the north shore of the Kalamazoo River, between the US 131 highway overpass and the former Plainwell dam.

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A total of 218 investigative soil samples were collected from 33 boring locations (SL015-1 through SL015-33) and analyzed for PCBs during Phase II. Table 5-11 lists the total PCB and individual Aroclor results for this grid. The individual Aroclor compound that was detected most frequently in Grid 1 samples was Aroclor-1242, found in 99% of those samples. Aroclor-1242 was also detected at the highest concentration of any Aroclor in this sample group (120,000 ug/kg).

The highest total PCB concentrations in Phase II Grid 1 soils were found at the following locations: SL015-25 (36 - 48 in. bgs), SL015-9 (0 - 6 in. bgs), SL015-25 (24 - 36 in. bgs), and SL015-7 (0 - 6 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SL015-25 (36 - 48 in. bgs), the total PCB concentration was 158,000 ug/kg; Aroclor-1242 was detected at 120,000 ug/kg, Aroclor-1254 at 26,000 ug/kg, and Aroclor-1260 at 12,000 ug/kg.
- At SL015-9 (0 - 6 in. bgs), the total PCB concentration was 134,100 ug/kg; Aroclor-1242 was detected at 110,000 ug/kg, Aroclor-1254 at 19,000 ug/kg, and Aroclor-1260 at 5,100 ug/kg.
- At SL015-25 (24 - 36 in. bgs), the total PCB concentration was 113,000 ug/kg; Aroclor-1242 was detected at 88,000 ug/kg, Aroclor-1254 at 18,000 ug/kg, and Aroclor-1260 at 7,000 ug/kg.
- At SL015-7 (0 - 6 in. bgs), the total PCB concentration was 106,300 ug/kg; Aroclor-1242 was detected at 73,000 ug/kg, Aroclor-1254 at 24,000 ug/kg, and Aroclor-1260 at 9,300 ug/kg.

The statistical analysis for Phase II Grid 1 PCB concentrations is presented in Table 5-19. Less than 1% of the samples were reported to have PCB concentrations below laboratory method detection limits, and approximately 63% of the samples contained concentrations of PCB that were above 1,000 ug/kg. Figure 5 - 25 illustrates the variation in PCB concentration as sample depth increases

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within Grid 1.

5.2.2 Grid 2 Sampling Results

The Grid 2 sampling cluster is centered at Phase I sampling location SL029. The center of Grid 2 was located within Reach 1 on the south shore of the Kalamazoo River, approximately 1,500 feet west of the US 131 highway overpass.

A total of 235 investigative soil samples were collected from 33 boring locations (SL029-1 through SL029-34) and analyzed for PCBs during Phase II. Total PCB and individual Aroclor results for this grid are presented in Table 5-12. Found in 93% of all Phase II Grid 2 samples, Aroclor-1254 was detected most frequently in Grid 2 samples. Aroclor-1242 was detected at the highest concentration of any Aroclor in this sample group (28,000 ug/kg), and it ws detected in 78% of Grid 2 samples.

Total PCB concentrations were at a maximum at the following locations: SL029-25 (6 - 12 in. bgs), SL029-24 (0 - 6 in. bgs), SL029-17 (0 - 6 in. bgs), and SL029-29 (0 - 6 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SL029-25 (6 - 12 in. bgs), the total PCB concentrations was 45,300 ug/kg; Aroclor-1242 was detected at 22,000 ug/kg, Aroclor-1254 at 16,000 ug/kg, and Aroclor-1260 at 7,300 ug/kg.
- At SL029-24 (0 - 6 in. bgs), the total PCB concentrations was 43,000 ug/kg; Aroclor-1242 was detected at 16,000 ug/kg, Aroclor-1254 at 18,000 ug/kg, and Aroclor-1260 at 9,000 ug/kg.

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- At SL029-17 (0 - 6 in. bgs), the total PCB concentrations was 37,900 ug/kg; Aroclor-1242 was detected at 13,000 ug/kg, Aroclor-1254 at 17,000 ug/kg, and Aroclor-1260 at 7,900 ug/kg.
- At SL029-29 (0 - 6 in. bgs), the total PCB concentrations was 37,500 ug/kg; Aroclor-1242 was detected at 28,000ug/kg, Aroclor-1254 at 7,400 ug/kg, and Aroclor-1260 at 2,100 ug/kg.

Table 5-20 presents the statistical analysis of Grid 2 soil PCB data from Phase II. Approximately 6% of the samples contained PCBs at concentrations below laboratory method detection limits, and 35% contained levels of PCBs above 1,000 ug/kg. A graph depicting PCB concentration as it changes with sample depth is found in Figure 5-26.

5.2.3 Grid 3 Sampling Results

Phase II Grid 3 was designed around a central point located at Phase I sampling site SD045. The center of Grid 3 was submerged and located within Reach 2 near the southern bank of the Kalamazoo River, between the former Plainwell Dam and the Otsego City Dam.

A total of 104 investigative sediment samples were collected from 25 core locations (SD045-1 through SD045-22 and SD045-24 through SD045-26) and analyzed for PCBs during Phase II. Total PCB and individual Aroclor results for Grid 3 are presented in Table 5-13. The Aroclor compound that was detected most frequently in Grid 3 was Aroclor-1254, detected in 64% of all Phase II Grid 3 samples. The highest Aroclor concentration in this sample group was Aroclor-1242 (20,000 ug/kg), which was detectd in 60% of Grid 3 samples.

Among the samples of Grid 3, maximum PCB concentrations were detected at the following locations: SD045-19 (16 - 24 in. bgs) and SD045-5 (6 - 10 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

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- At SD045-19 (16 - 24 in. bgs), the total PCB concentrations was 29,000 ug/kg; Aroclor-1242 was detected at 20,000 ug/kg, Aroclor-1254 at 6,400 ug/kg, and Aroclor-1260 at 2,600 ug/kg.
- At SD045-5 (6 - 10 in. bgs), the total PCB concentrations was 28,400 ug/kg; Aroclor-1242 was detected at 5,200 ug/kg, Aroclor-1254 at 15,000 ug/kg, and Aroclor-1260 at 8,200 ug/kg.

Approximately 29% of the samples were reported to have PCB concentrations that were below laboratory method detection limits, and 14% contained levels of PCBs that were above 1,000 ug/kg (Table 5-21). As illustrated in Figure 5-27 and Table 5-21, the PCB concentration tends to increase as the average sample depth approaches 12 in. bgs; however, below this depth, the PCB concentration begins to decrease with average sample depth.

5.2.4 Grid 4 Sampling Results

Grid 4 was centered around Phase I sampling location SL053. Location SL053 was positioned within Reach 2 in a wetland on the south side of the Kalamazoo River, adjacent to the 12th Street Landfill in Otsego, MI.

A total of 223 investigative samples were collected from 36 boring and core locations and analyzed for PCBs during Phase II. Due to the position of this grid within the investigative area, 32 borings (SL053-1 through SL053-17, SL053-19 through SL053-25, SL053-27 through SL053-33, and SL053-35) were located in predominantly soil-type material, and 4 cores (SL053-18, SL053-26, SL053-34 and SL053-36) were located in predominantly sediment-type material. Resulting total PCB and individual Aroclor data for Grid 4 are found in Table 5-14.

Among Grid 4 soil samples, Aroclor-1254 was detected most frequently (27%). Aroclor-1242 was detected at the highest concentration (560 ug/kg) and found in 24% of Grid 4 soil samples. The

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maximum total PCB concentration in Grid 4 soils were detected at the following locations: SL053-21 (12 - 20 in. bgs) and SL053-16 (12 - 20 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are:

- At SL053-21 (12 - 20 in. bgs), the total PCB concentration was 770 ug/kg; Aroclor-1242 was detected at 560 ug/kg, Aroclor-1254 at 160 ug/kg and Aroclor-1260 at 50 ug/kg.
- At SL053-16 (12 - 20 in. bgs), the total PCB concentration was 740 ug/kg; Aroclor-1242 was detected at 410 ug/kg, Aroclor-1254 at 330 ug/kg and Aroclor-1260 was not detected

As is the case for Grid 4 soil samples, Aroclor-1254 is also detected most frequently in Grid 4 sediment samples (29%). Aroclor-1242 was detected at the highest concentration in this sample group (420 ug/kg) and detected in 24% of samples. In Grid 4 sediments, the maximum PCB concentration was detected at an average sample depth of 18 - 24 in. bgs in core SL053-18. Total PCB and contributing Aroclor concentrations at this location and depth are:

- At SL053-18 (18 - 24 in. bgs), the total PCB concentration was 714 ug/kg; Aroclor-1242 was detected at 420 ug/kg, Aroclor-1254 at 210 ug/kg and Aroclor-1260 at 84 ug/kg.

Statistical analysis of Grid 4 soil and sediment PCB data from Phase II can be found in Tables 5-22 and 5-23, respectively. Approximately 70% of soil samples and 71% of sediment samples have PCB concentrations below the laboratory method detection limit and none of the samples within Grid 4 contained levels of PCB that were above 1,000 ug/kg.

Overall concentrations of PCB in these samples are considerably less than at other Grids. Contrary to data trends of many other grids and cores in this study, PCB concentration generally tends to increase as the average sample depth increases in Grid 4 soils and sediments, up to a maximum depth of 24 in. bgs (Figures 5-28 and 5-29). Below this horizon, average PCB concentrations trend

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toward lower values.

5.2.5 Grid 5 Sampling Results

The Grid 5 sampling cluster was developed around the Phase I sampling location SD030. This central point was submerged and located within Reach 2 along the southern bank of the Kalamazoo River, approximately 1,800 feet downstream of the former Plainwell Dam. See Section 4.1.1.2 of this report for explanation of grid offset relative to the position of location SD030.

A total of 124 investigative samples were collected from 35 locations and analyzed for PCBs during Phase II. Due to the position of this grid within the investigative area, 87 samples and 15 borings (SD030-16, SD030-17, SD030-20, SD030-22 through SD030-27, SD030-29 through SD030-31, SD030-33, SD030-34, and SD030-36) consisted of predominantly soil-type material, and 37 samples and 20 cores (SD030-1 through SD030-15, SD030-18, SD030-19, SD030-28, SD030-32, and SD030-35) consisted of predominantly sediment-type material. Total PCB and individual Aroclor results for Grid 5 are listed in Table 5-15.

Aroclors -1242 and -1254 were both detected in 98% of Grid 5 soil samples. Aroclor-1242 was detected at the highest concentration of all Aroclors in this group of soil samples (24,000 ug/kg). Maximum total PCB concentrations for these Grid 5 soils were detected at the following locations: SD030-36 (12 - 18 in. bgs) and SD030-30 (18 - 30 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SD030-36 (12 - 18 in. bgs), the total PCB concentration was 40,000 ug/kg; Aroclor-1242 was detected at 14,000 ug/kg, Aroclor-1254 at 11,000 ug/kg, and Aroclor-1260 at 15,000 ug/kg.

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- At SD030-30 (18 - 30 in. bgs), the total PCB concentration was 33,600 ug/kg; Aroclor-1242 was detected at 22,000 ug/kg, Aroclor-1254 at 9,800 ug/kg, and Aroclor-1260 at 1,800 ug/kg.

More Grid 5 sediments contained Aroclors -1242 and -1254 than Aroclor-1260; both Aroclor-1242 and Aroclor-1254 were detected in 89% of Grid 5 sediment samples. Once again, Aroclor-1242 was detected at the highest concentration in these sediments (35,000 ug/kg). Maximum total PCB concentrations for these Grid 5 sediments were detected at the following locations: SD030-10 (0 - 6 in. bgs) and SD030-9 (18 - 24 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SD030-10 (0 - 6 in. bgs), the total PCB concentration was 43,500 ug/kg; Aroclor-1242 was detected at 35,000 ug/kg, Aroclor-1254 at 6,400 ug/kg, and Aroclor-1260 at 2,100 ug/kg.
- At SD030-9 (18 - 24 in. bgs), the total PCB concentration was 32,300 ug/kg; Aroclor-1242 was detected at 19,000 ug/kg, Aroclor-1254 at 9,600 ug/kg, and Aroclor-1260 at 3,700 ug/kg.

A statistical analysis of Grid 5 soil and sediment data are presented in Tables 5-24 and 5-25. These tables indicate that 1% of soil and 11% of sediment samples had concentrations of PCBs below the laboratory method detection limit. The Tables also report that 39% of soil and 19% of sediment samples contained levels of PCBs above 1,000 ug/kg. Trends of PCB concentrations with depth for all Grid 5 soil borings and sediment cores are depicted in Figures 5-30 and 5-31, respectively. Similar to trends seen in Grid 4 for both the soil and sediment locations of Grid 5, PCB concentration tends to increase as the average sample depth increases to a maximum depth of 24 in. bgs. Below this horizon, PCB concentrations begin to decrease.

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5.2.6 Grid 6 Sampling Results

The sampling cluster of Grid 6 was centered around Phase I location SL012. This location was within Reach 1 on the north shore of the Kalamazoo River, between the Main Street bridge in Plainwell, MI, and the US 131 highway overpass.

A total of 159 investigative soil samples were collected from 28 boring locations (SL012-1 through SL012-28) and analyzed for PCBs during Phase II. Table 5-16 lists analytical results for total PCBs and individual Aroclor analyses within Grid 6. The Aroclor compound that was detected most frequently in Grid 6 was Aroclor-1254, which was detected in 92% of the samples. The Aroclor that was detected at the highest concentration was Aroclor-1242 (47,000 ug/kg), and it was detected in 80% of these soil samples.

Maximum total PCB concentrations were found in Grid 6 samples at the following locations: SL012-13 (12 - 18 in. bgs), SL012-11 (12 - 24 in. bgs), and SL012-5 (0 - 6 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SL012-13 (12 - 18 in. bgs), the total PCB concentration was 65,600 ug/kg; Aroclor-1242 was detected at 36,000 ug/kg, Aroclor-1254 at 20,000 ug/kg, and Aroclor-1260 at 9,600 ug/kg.
- At SL012-11 (12 - 24 in. bgs), the total PCB concentration was 63,300 ug/kg; Aroclor-1242 was detected at 42,000 ug/kg, Aroclor-1254 at 17,000 ug/kg, and Aroclor-1260 at 4,300 ug/kg.
- At SL012-5 (0 - 6 in. bgs), the total PCB concentration was 61,000 ug/kg; Aroclor-1242 was detected at 47,000 ug/kg, Aroclor-1254 at 10,000 ug/kg, and Aroclor-1260 at 4,000 ug/kg.

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Statistical analysis results from Grid 6 soil PCB data are presented in Table 5-26. Approximately 6% of Grid 6 samples had concentrations of PCBs that were less than the laboratory method detection limit, and 36% contained levels of PCBs above 1,000 ug/kg. A graphical representation of PCB concentration versus sample depth is provided in Figure 5-32.

5.2.7 Grid 7 Sampling Results

The center of Grid 7 was positioned at the location of Phase I sample site SD036. This location was submerged within Reach 2 and near the southern bank of the Kalamazoo River, between the former Plainwell Dam and the Otsego City Dam and downstream of Grid 3.

A total of 162 investigative sediment samples were collected from 38 core locations (SD036-1 through SD036-38) and analyzed for PCBs during Phase II. Concentrations of total PCBs and individual Aroclors measured for Grid 7 samples are presented in Table 5-17. Of the three Aroclors detected in soils or sediments in this study, Aroclor-1254 was detected most frequently (39%) in Grid 7 sediments, while Aroclor-1242, detected in 38% of the samples, was found at the highest concentration (5,800 ug/kg).

Total PCB concentrations of Grid 7 samples were detected at the highest concentrations at the following locations: SD036-5 (4 - 12 in. bgs), SD036-9 (24 - 36 in. bgs), SD036-5 (12 - 24 in. bgs), and SD036-8 (18 - 30 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SD036-5 (4 - 12 in. bgs), the total PCB concentration was 8,260 ug/kg; Aroclor-1242 was detected at 5,800 ug/kg, Aroclor-1254 at 2,200 ug/kg, and Aroclor-1260 at 260 ug/kg.

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- At SD036-9 (24 - 36 in. bgs), the total PCB concentration was 7,620 ug/kg; Aroclor-1242 was detected at 5,800 ug/kg, Aroclor-1254 at 1,500 ug/kg, and Aroclor-1260 at 320 ug/kg.
- At SD036-5 (12 - 24 in. bgs), the total PCB concentration was 6,670 ug/kg; Aroclor-1242 was detected at 4,600 ug/kg, Aroclor-1254 at 1,700 ug/kg, and Aroclor-1260 at 370 ug/kg.
- At SD036-8 (18 - 30 in. bgs), the total PCB concentration was 6,130 ug/kg; Aroclor-1242 was detected at 3,800 ug/kg, Aroclor-1254 at 2,000 ug/kg, and Aroclor-1260 at 330 ug/kg.

A statistical analysis of Grid 7 PCB data from Phase II is presented in Table 5-27. Approximately 54% of the samples were reported to have concentrations of PCBs below the laboratory method detection limit, and 6% contained levels of PCBs above 1,000 ug/kg. Figure 5-33 presents a scatter plot of Grid 7 PCB concentrations versus sample depth and illustrates that PCB concentration tends to increase up to the average sample depth of 24 in bgs. Below this depth, all PCB concentrations are less than 1,000 ug/kg.

5.2.8 Grid 8 Sampling Results

The Grid 8 sampling cluster was centered at Phase I sampling location SD004. This location was submerged within Reach 1 and positioned along the southern bank of the Kalamazoo River, between the US 131 highway overpass and the former Plainwell Dam. The location was approximately 1,500 feet upstream of the former Plainwell Dam.

A total of 160 investigative sediment samples were collected from 38 core locations (SD004-1 through SD004-38) and analyzed for PCBs during Phase II. The Aroclor compound detected most frequently in Grid 8 samples was Aroclor-1254, detected in 17% of the samples. Aroclor-1242 was

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detected at the highest concentration (1,600 ug/kg) and found in 11% of the sediments in this group.

Among the Grid 8 samples, total PCB concentrations were detected at the highest concentration at the following locations: SD004-10 (0 - 6 in. bgs) and SD004-23 (12 - 20 in. bgs). Total PCB and contributing Aroclor concentrations at these locations and depths are as follows:

- At SD004-10 (0 - 6 in. bgs), the total PCB concentration was 4,220 ug/kg; Aroclor-1242 was detected at 1,600 ug/kg, Aroclor-1254 at 1,900 ug/kg, and Aroclor-1260 at 720 ug/kg.
- At SD004-23 (12 - 20 in. bgs), the total PCB concentration was 2,110 ug/kg; Aroclor-1242 was detected at 1,400 ug/kg, Aroclor-1254 at 500 ug/kg, and Aroclor-1260 at 210 ug/kg.

Table 5-28 presents the statistical analysis of Grid 8 PCB data from Phase II. Approximately 80% of the samples were reported at concentrations below the laboratory method detection limit, and 1% contained levels of PCBs above 1,000 ug/kg. A graphical representation of how Grid 8 PCB concentrations change with depth within the sediment is presented in Figure 5-34.

5.2.9 Phase II Sampling Results Summary

Phase II activities were completed from 23 July 2001 - 30 August 2001. The borings and cores collected during Phase II yielded a total of 1,385 PCB samples, which provide information about the lateral and vertical extent of contamination in the investigative area. Some patterns describing the Phase II data set and are noted below. For comparison purposes, Table 5-29 lists the depths at which the maximum Phase II PCB concentrations were detected for each river reach and the percentage of samples within each grid that contained PCBs in concentrations greater than 1,000 ug/kg.

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- The five highest PCB concentrations detected in Phase II samples are all located within Grid 1: 158,000 ug/kg at SL015-25 (36 - 48 in. bgs); 134,100 ug/kg at SL015-9 (0 - 6 in. bgs); 106,300 ug/kg at SL015-7 (0 - 6 in. bgs); 97,400 ug/kg at SL015-31 (6 - 12 in. bgs); and 89,700 ug/kg at SL015-32 (6 - 12 in. bgs).

- In general, PCB concentrations within Phase II tend to decrease as the average sample depth increases. This is the case for Grids 1, 2, 6, and 8. PCB concentrations in samples from Grids 3,4, 5, and 7 tend to increase slightly with depth to some subsurface horizon, then decrease with depth below that horizon.
- The majority of samples that have PCB concentrations greater than 1,000 ug/kg were found at depths less than 24 in. bgs. This is the case for all Phase II grids with the exception of Grid 4.

- There are no samples from Grid 4, sediment or soil, that have PCB concentrations greater than 1,000 ug/kg.

- Within each grid or river reach, Aroclor-1242 is always found in greatest concentration relative to other Aroclors.

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SECTION 6

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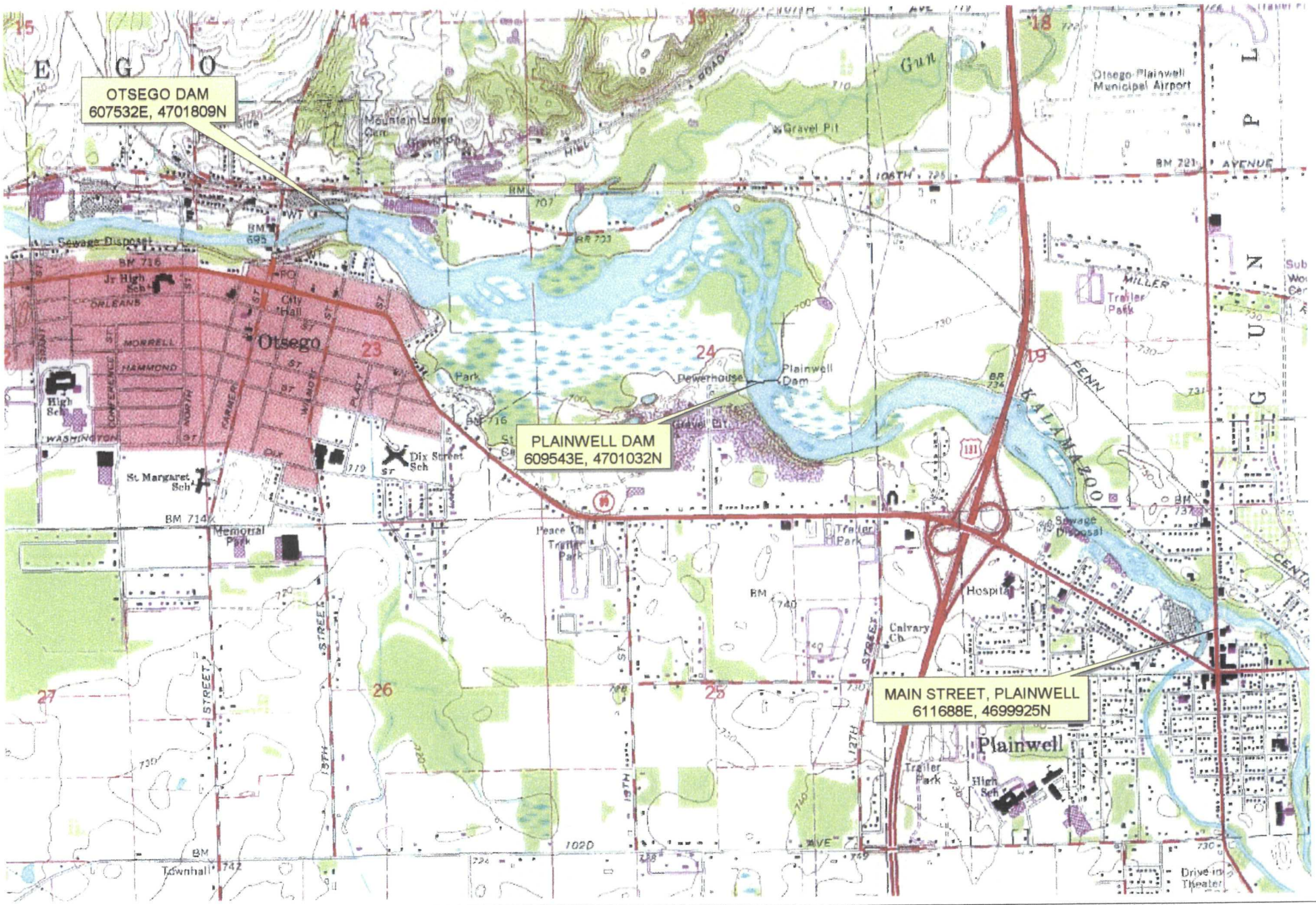
FIGURES



0 1 Mile

N

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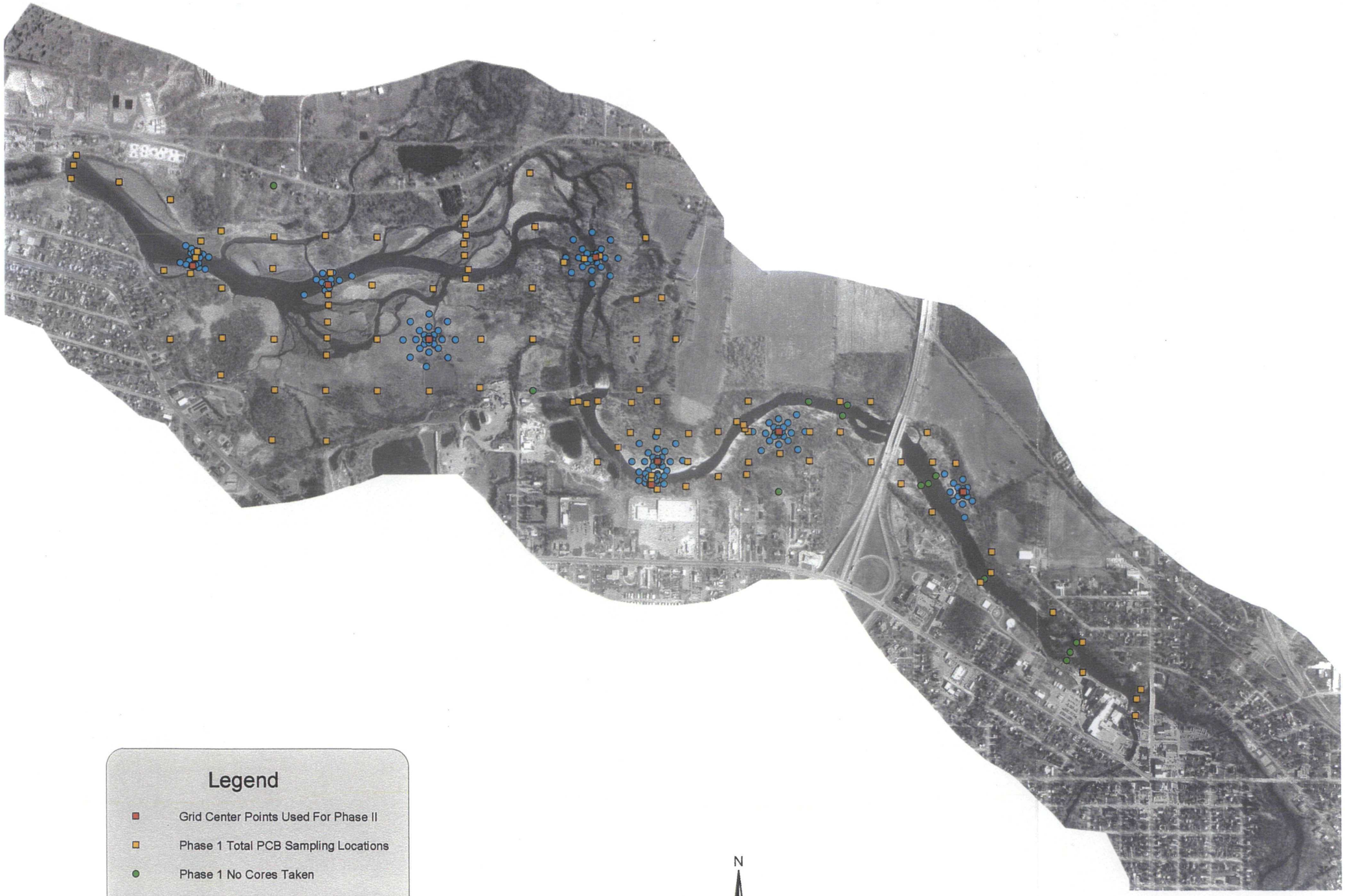
Vernon Hills, Illinois
60061-1450

Figure 1-1: Site Location Map
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S. EPA Removal Assesment
Kalamazoo, MI



Legend

- Grid Center Points Used For Phase II
- Phase 1 Total PCB Sampling Locations
- Phase 1 No Cores Taken
- Phase II Total PCB Sampling Locations

0 2000 Feet

N

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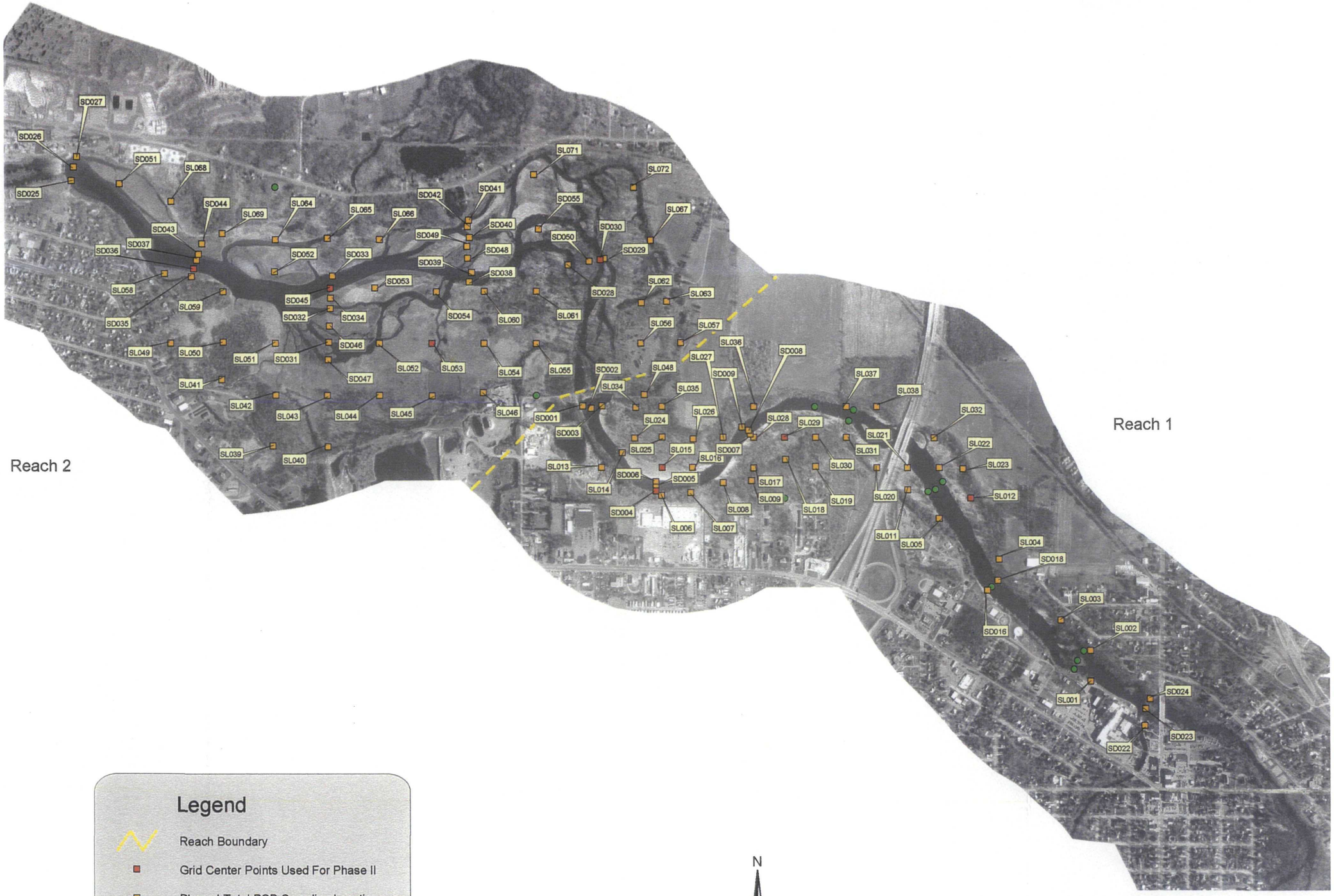
Figure 4-1: All Sampling Locations, Phases I and II
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI



Legend

- Reach Boundary
- Grid Center Points Used For Phase II
- Phase I Total PCB Sampling Locations
- Phase I No Cores Taken

0 1000 Feet

N

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Figure 5-1: Total PCB Sampling Locations- Phase I
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI

Legend

- Reach Boundary
- Grid Center Points Used For Phase II
- Phase I Total PCB Sampling Locations

Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

0 1000 Feet

N

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Figure 5-2: Total PCB Concentrations, Phase I- Reach 1
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI

Legend

- Reach Boundary
- Grid Center Points Used For Phase II
- Phase I Total PCB Sampling Locations

Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

0 600 Feet

N

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Figure 5-3: Total PCB Concentrations, Phase I- Reach 2
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI

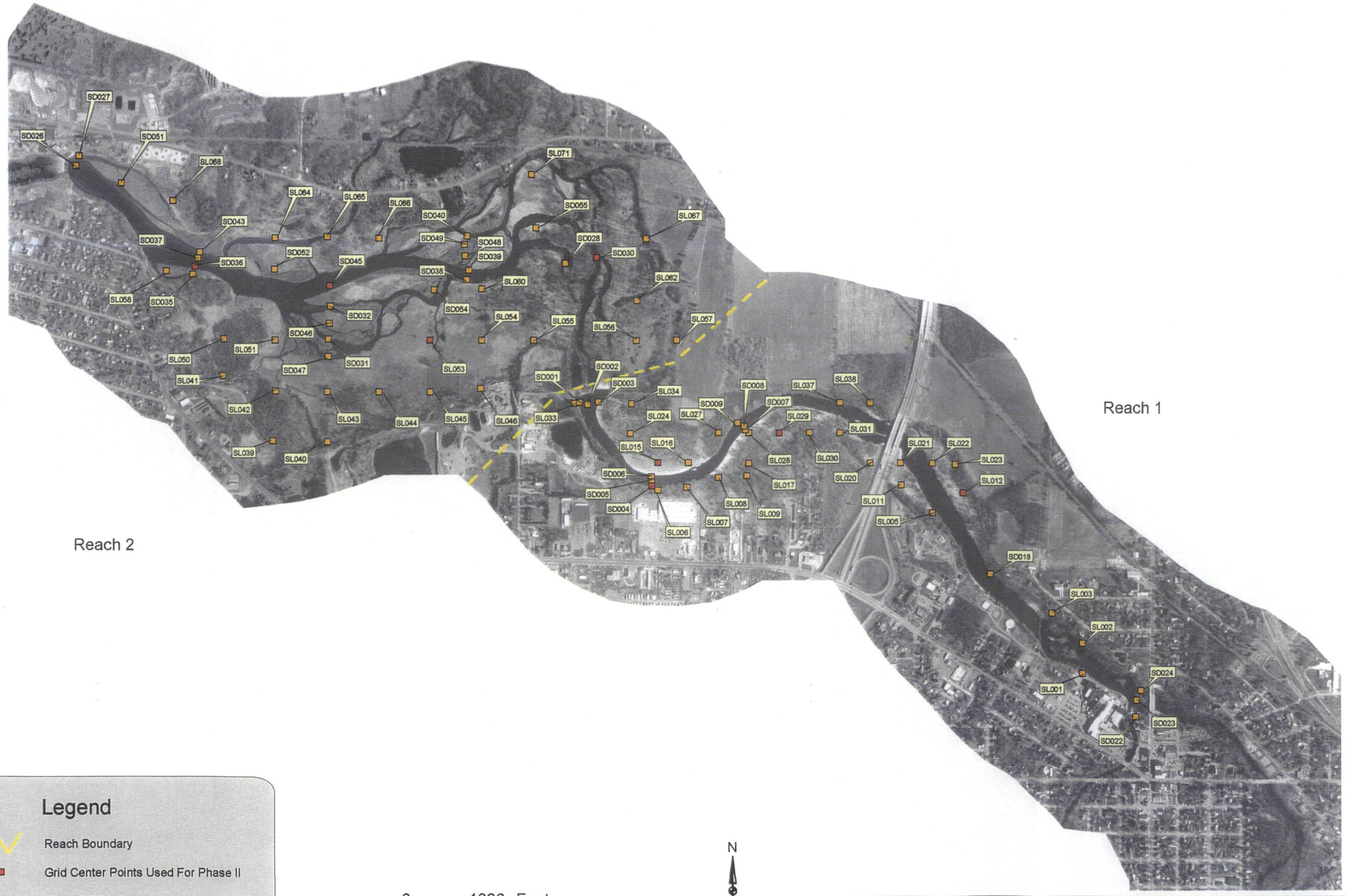

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Figure 5-4: Total TOC Sampling Locations, Phase I
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI

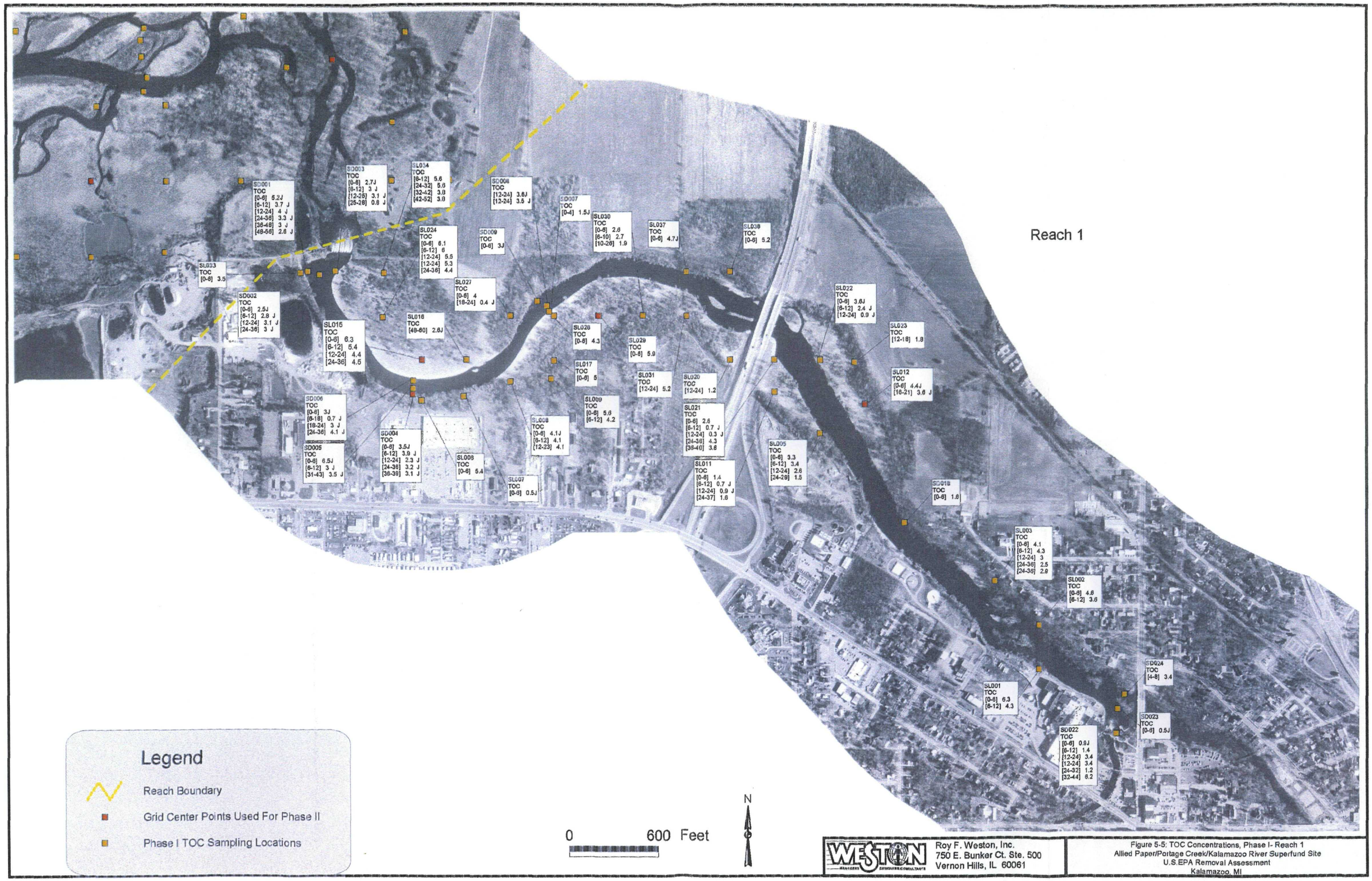

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Figure 5-5: TOC Concentrations, Phase I- Reach 1
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
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Kalamazoo, MI

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Figure 5-6: TOC Concentrations, Phase I- Reach 2
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
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Legend

▲ Phase I Dioxin-Furan Sampling Locations

0 2000 Feet

N

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Figure 5-7: Dioxin-Furan Sampling Locations, Phase I
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI

Figure 5-8
Relationship of PCB Concentration and Sample Depth - Phase I - Reach 1 - Soil

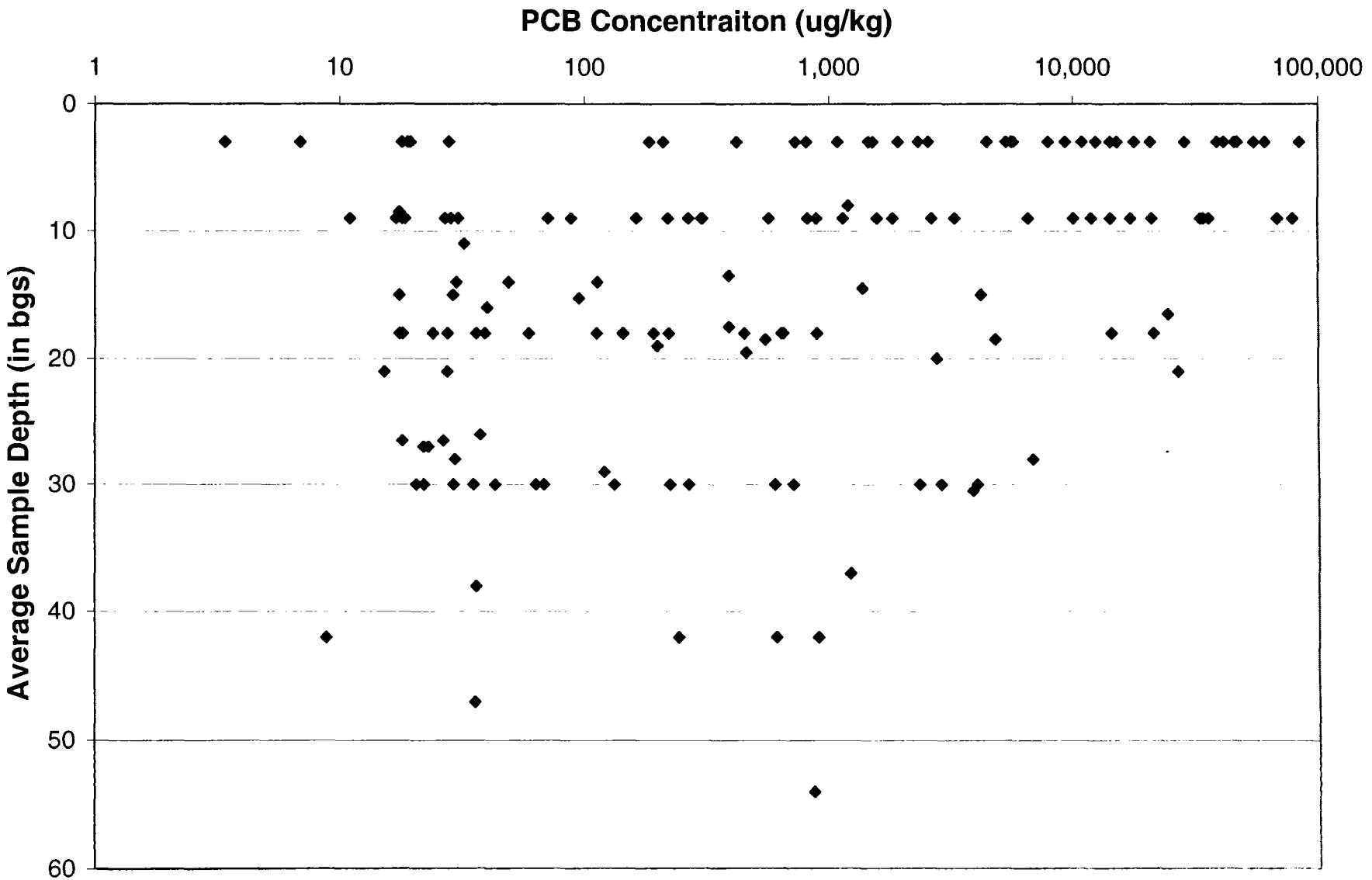


Figure 5-9
PCB Concentration vs. TOC - Phase I - Reach 1 - Soil

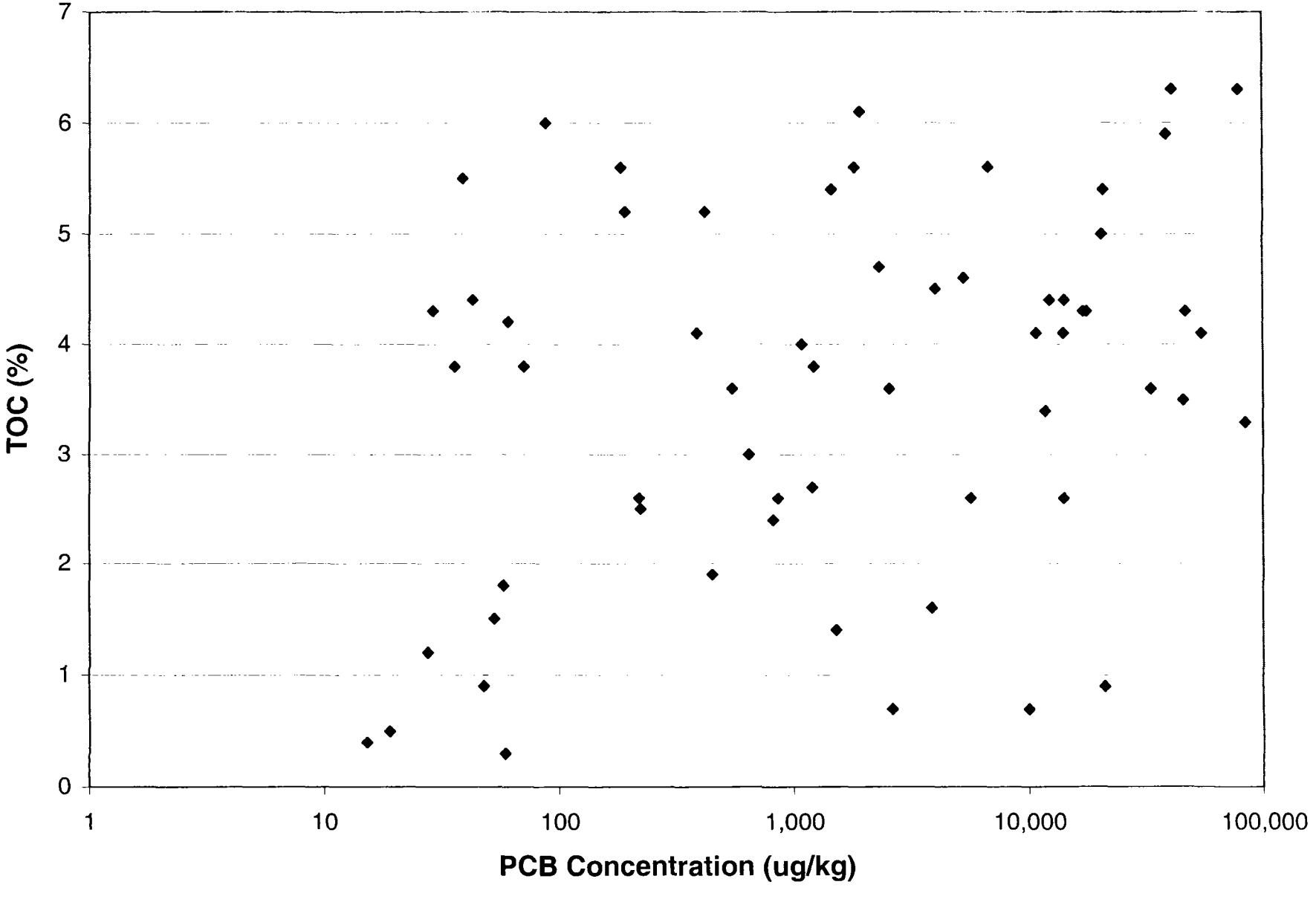


Figure 5-10
Relationship of PCB Concentration and Sample Depth - Phase I - Reach 2 - Soil

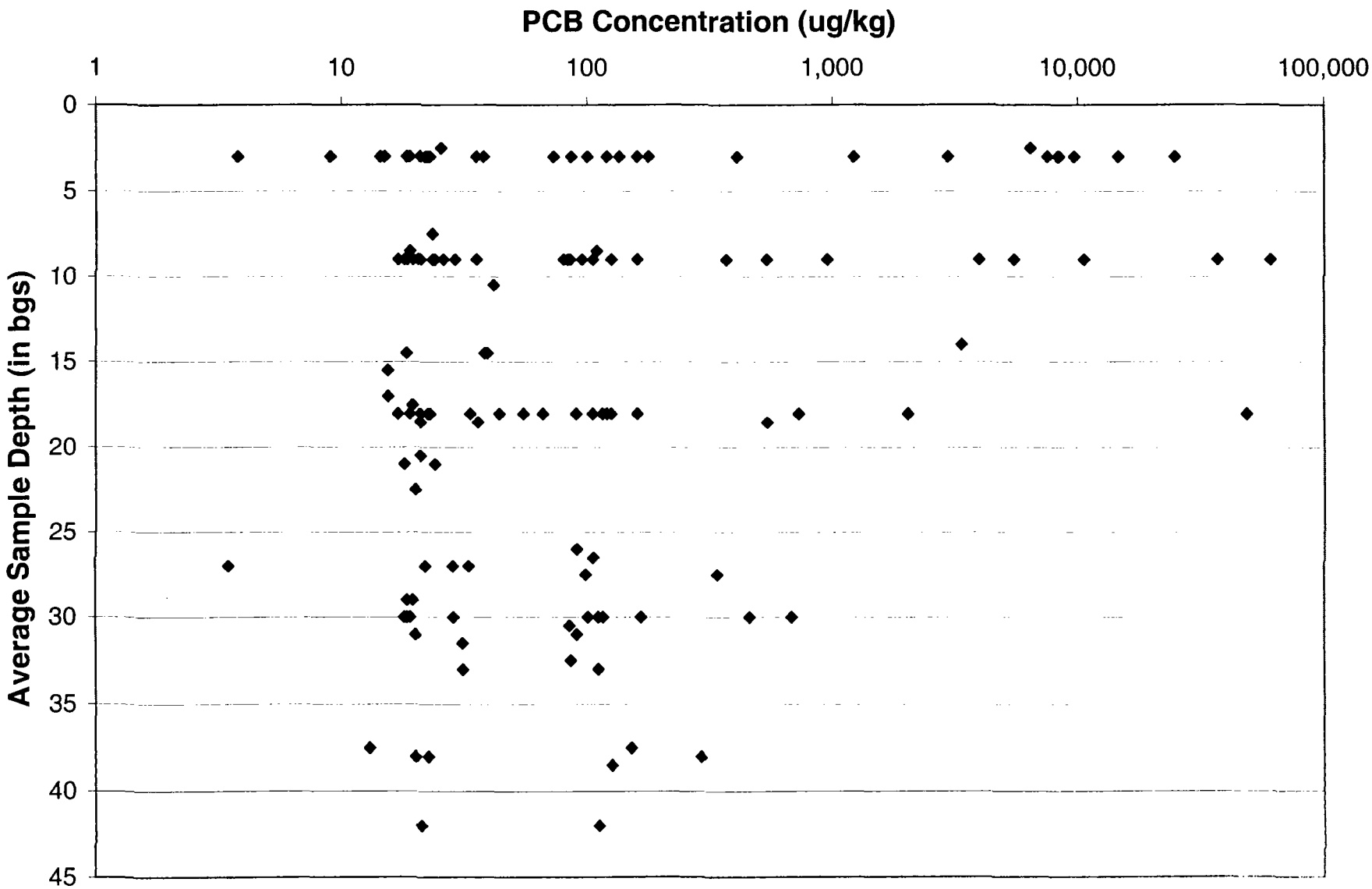


Figure 5-11
PCB Concentration vs. TOC - Phase I - Reach 2 - Soil

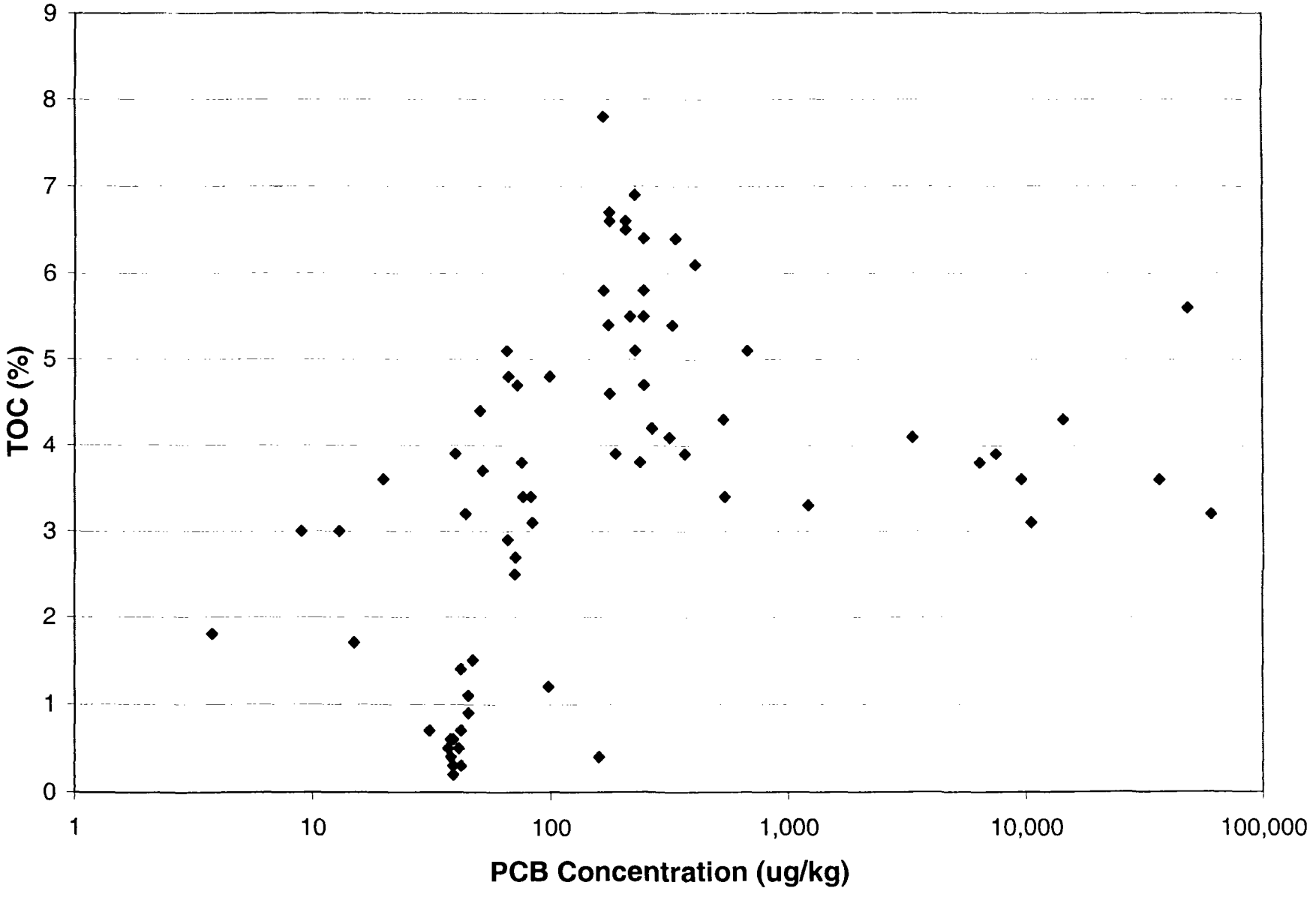


Figure 5-12
Relationship of PCB Concentraiton and Sample Depth - Phase I - Reach 1 - Sediment

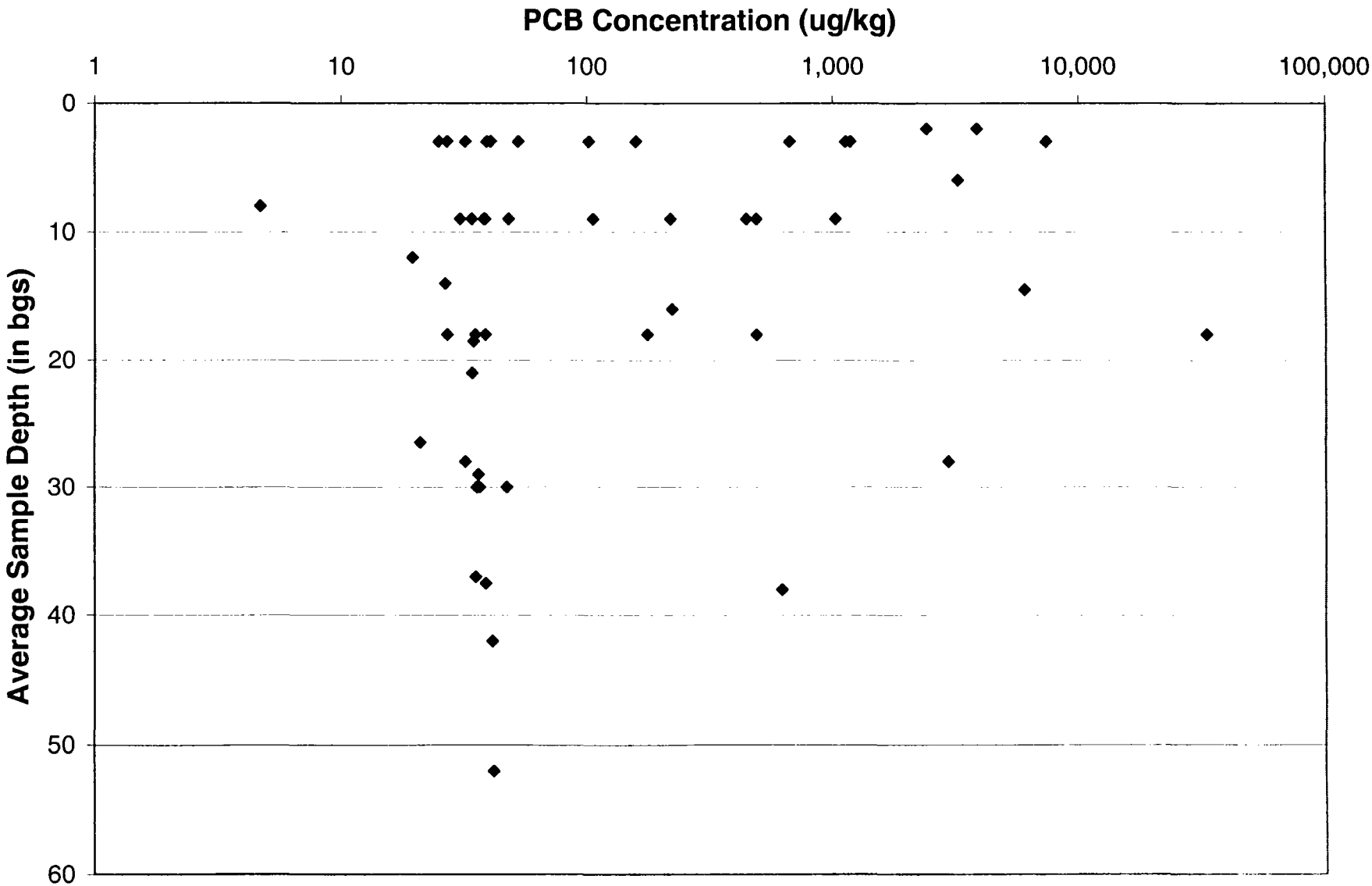


Figure 5-13
PCB Concentration vs. TOC - Phase I - Reach 1 - Sediment

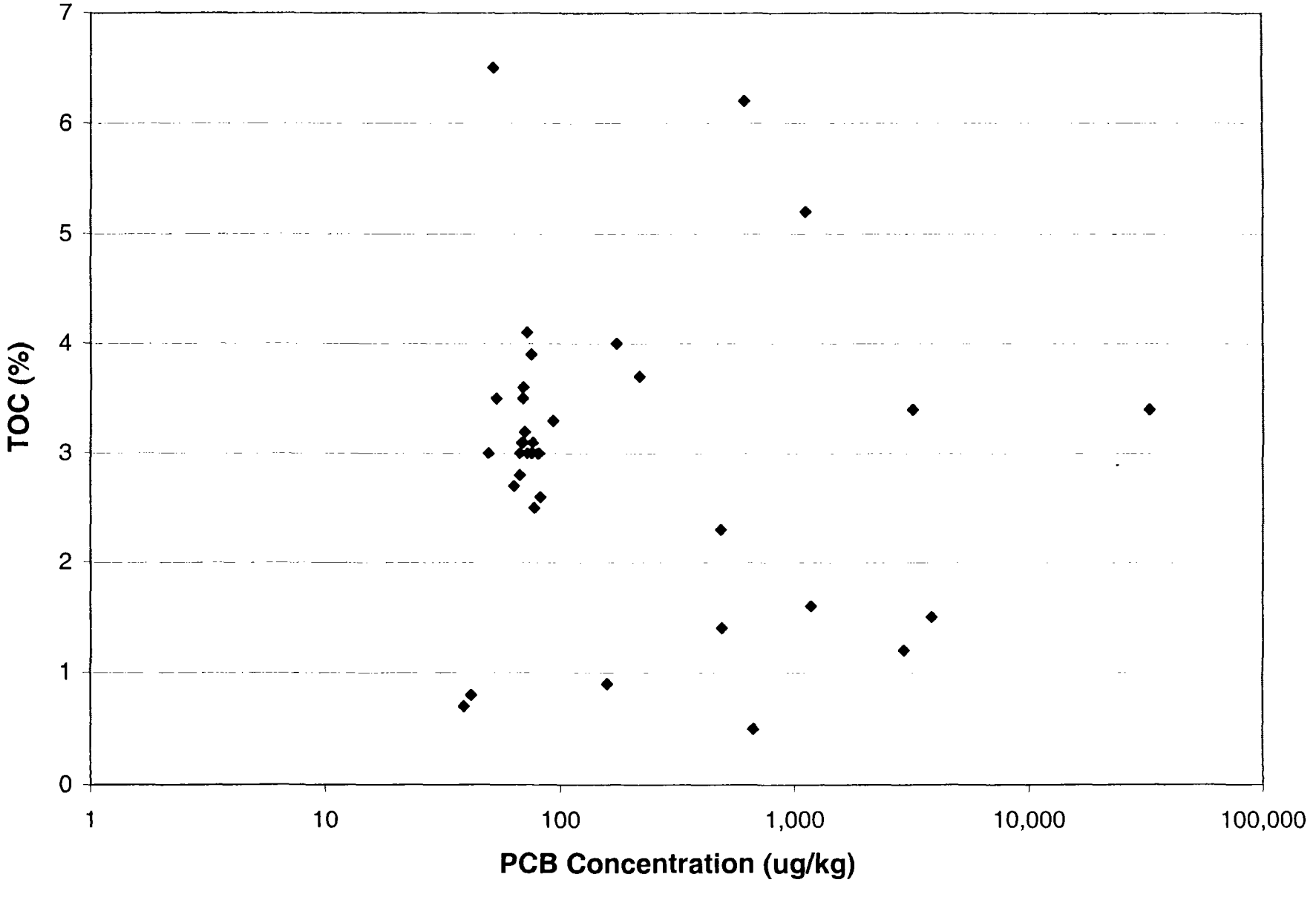


Figure 5-14
Relationship of PCB Concentration and Sample Depth - Phase I - Reach 2 - Sediment

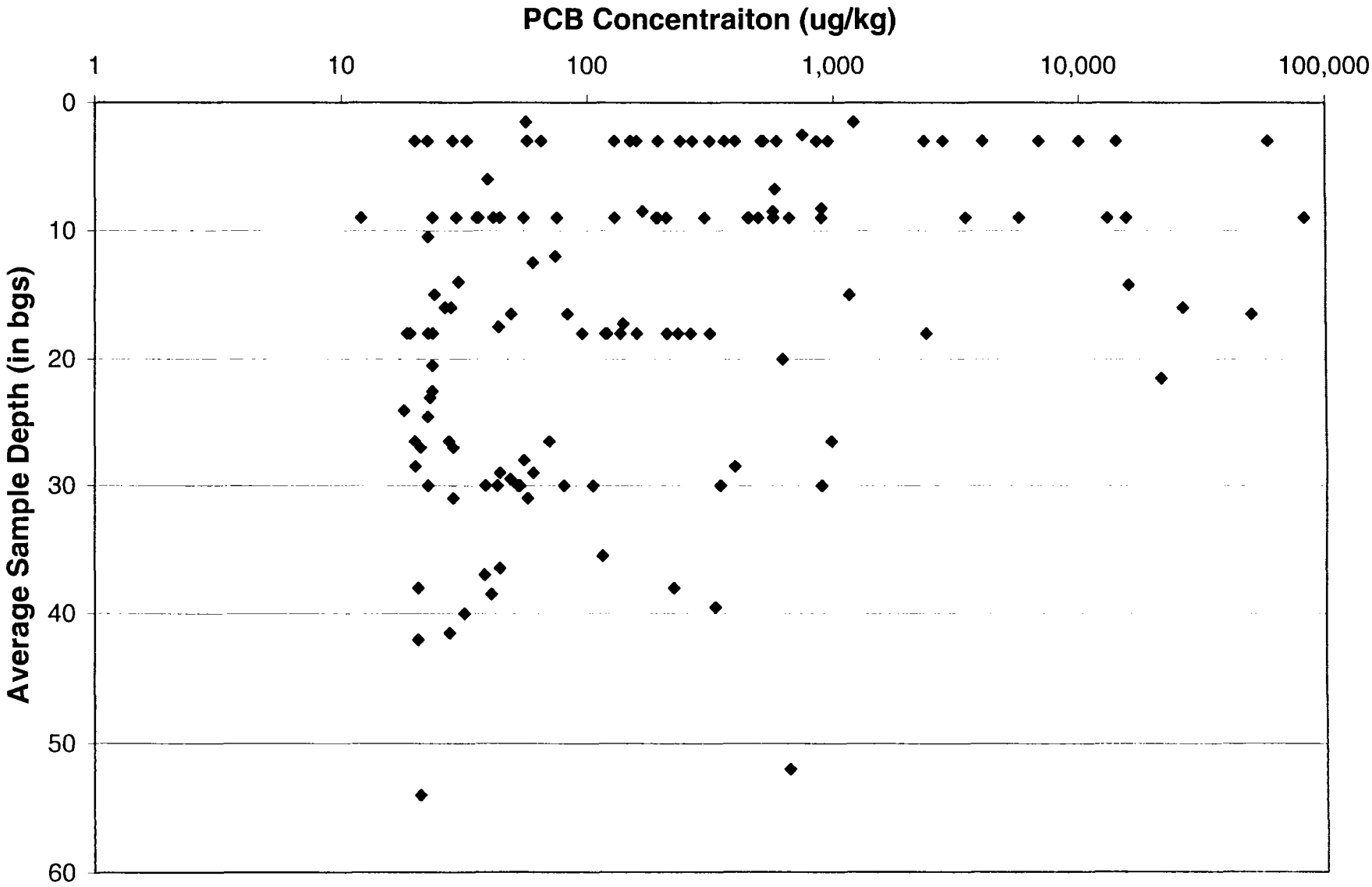
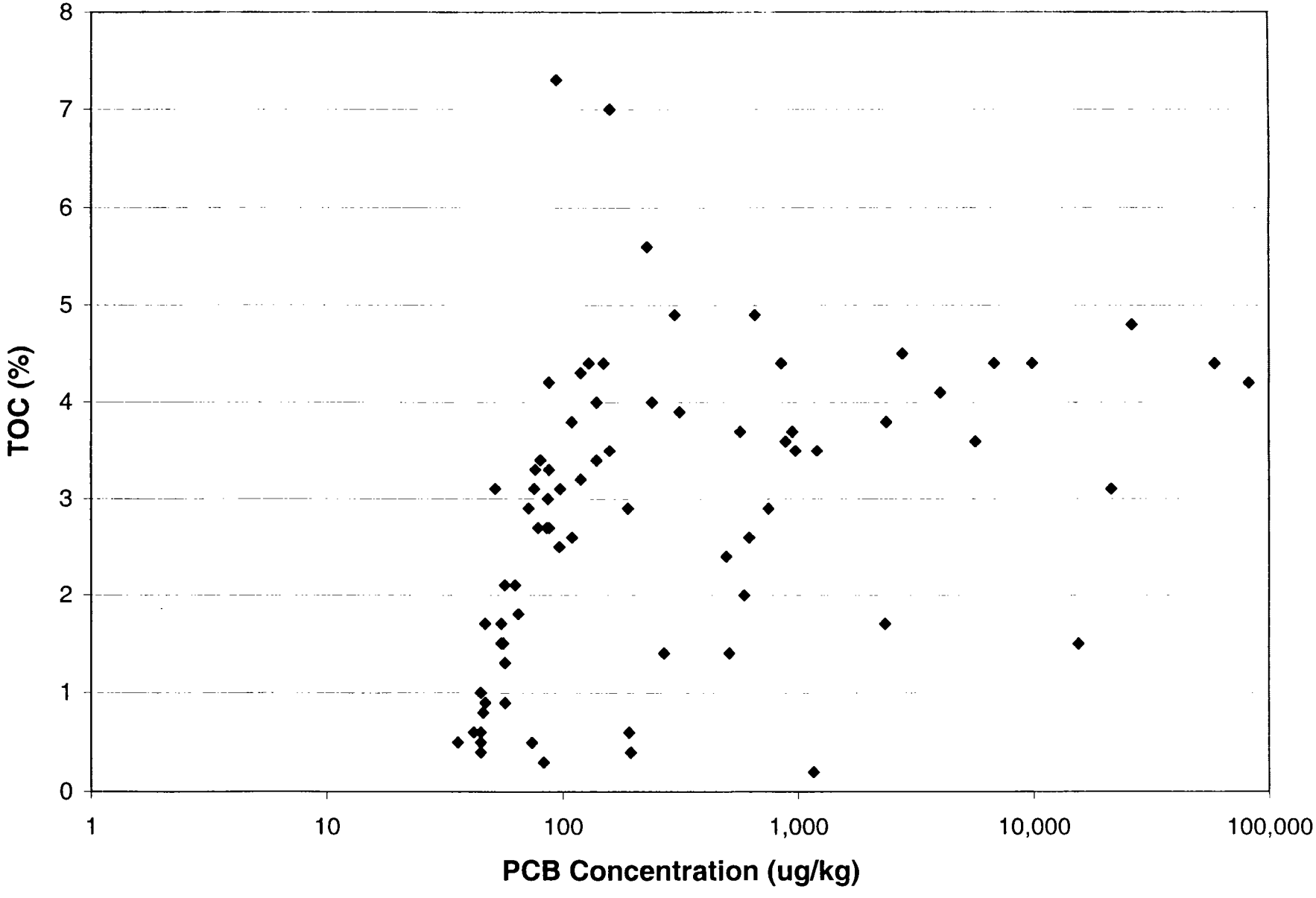


Figure 5-15
PCB Concentration vs. TOC - Phase I - Reach 2 - Sediment



Legend

- Grid Center Points Used For Phase II
- Phase II Total PCB Sampling Locations

0 1000 Feet

N

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Figure 5-16: PCB Sampling Locations- Phase II
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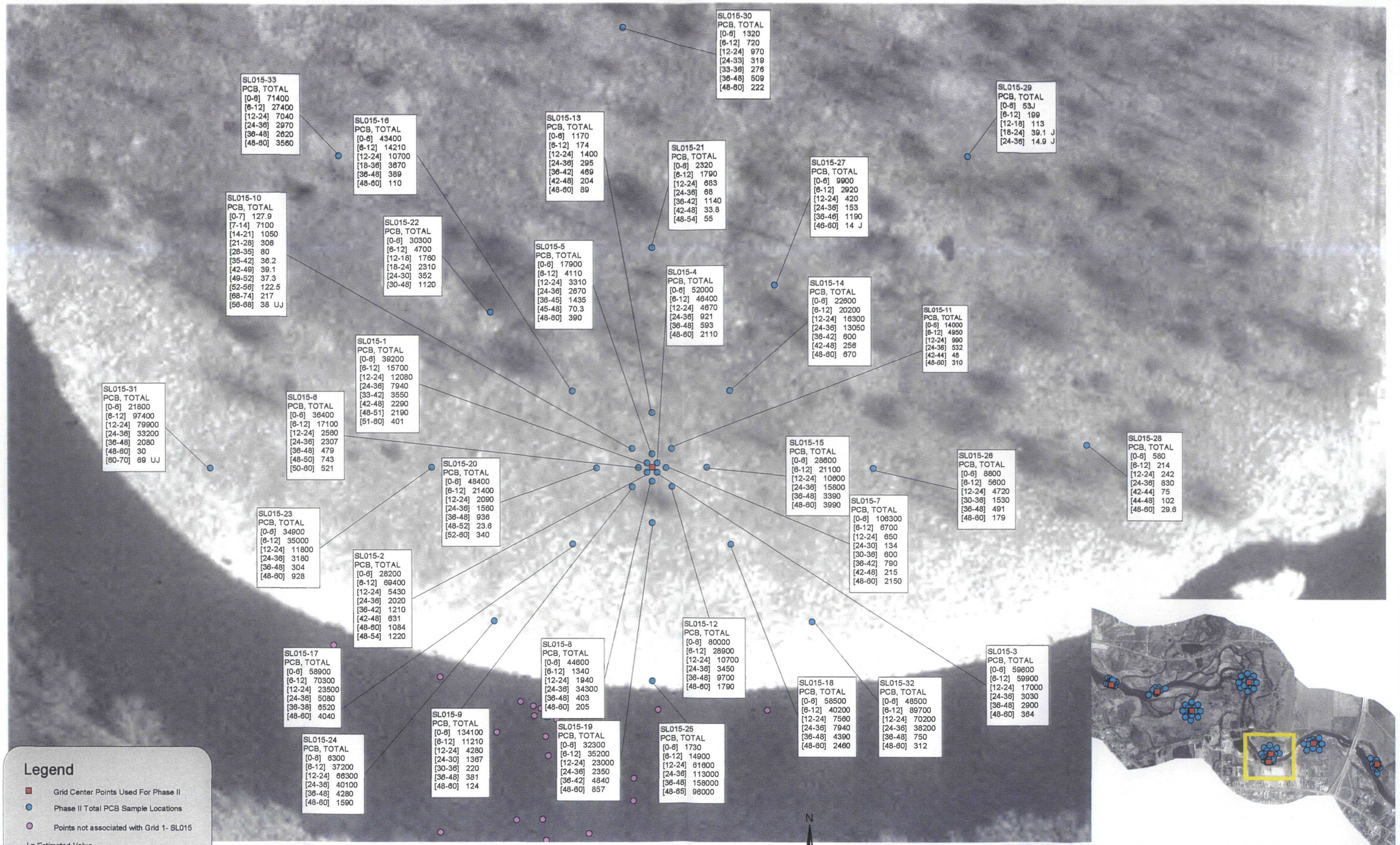

Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Figure 5-17: Total PCB Concentrations- Phase II- Grid 1- SL015
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
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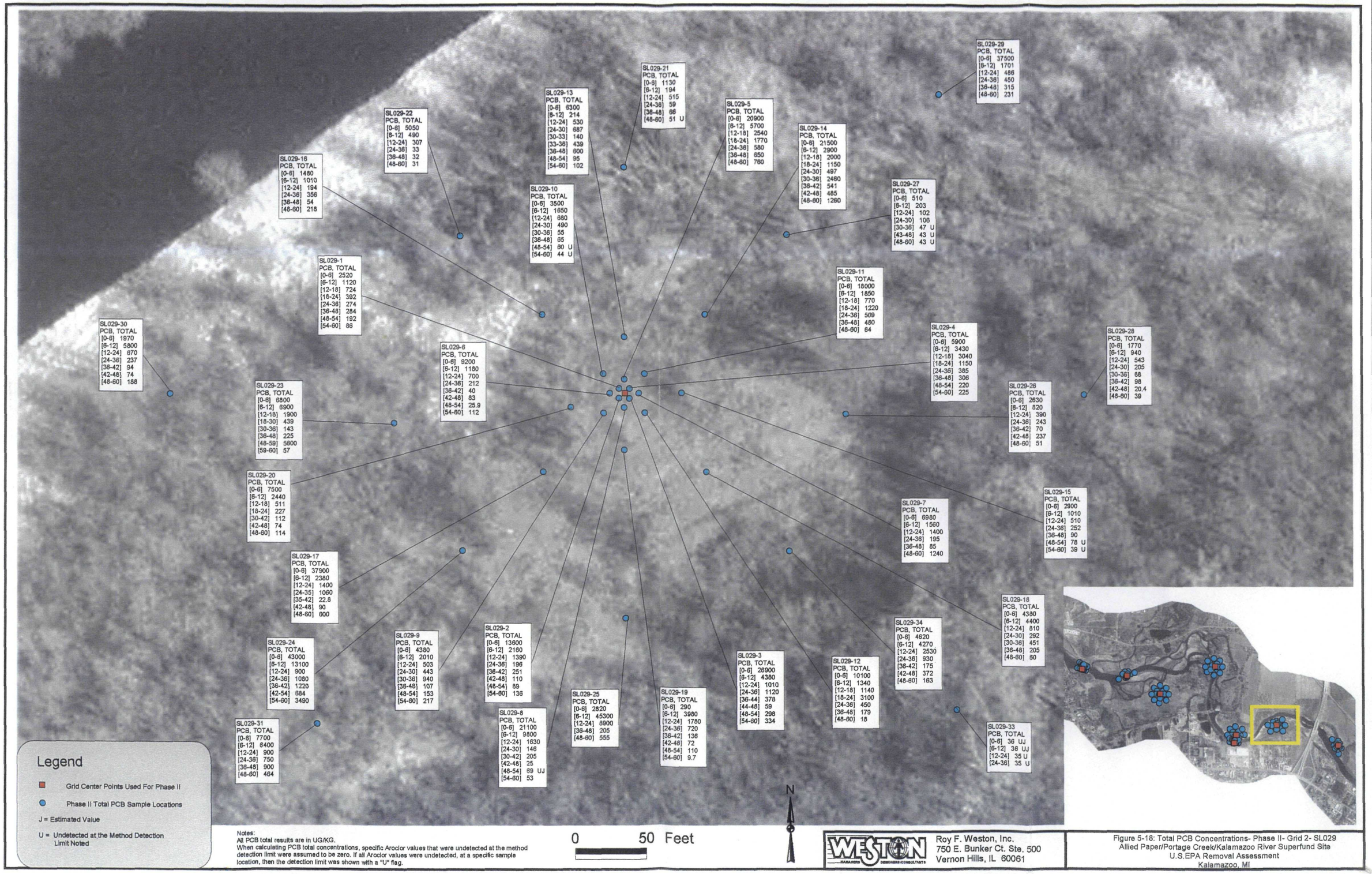
Kalamazoo, MI



Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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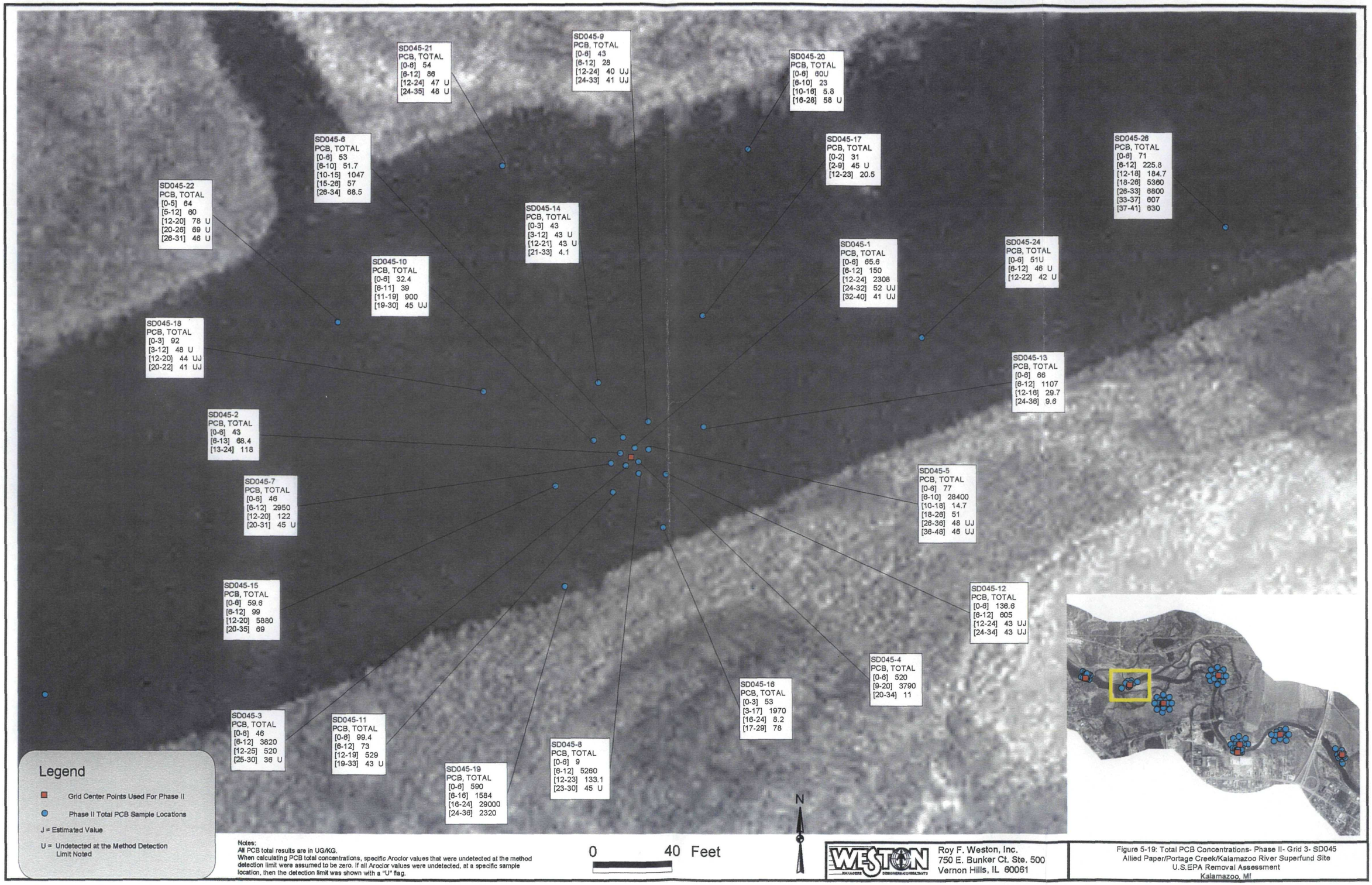
Figure 5-18: Total PCB Concentrations- Phase II- Grid 2- SL029
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI



Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Figure 5-19: Total PCB Concentrations- Phase II- Grid 3- SD045
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
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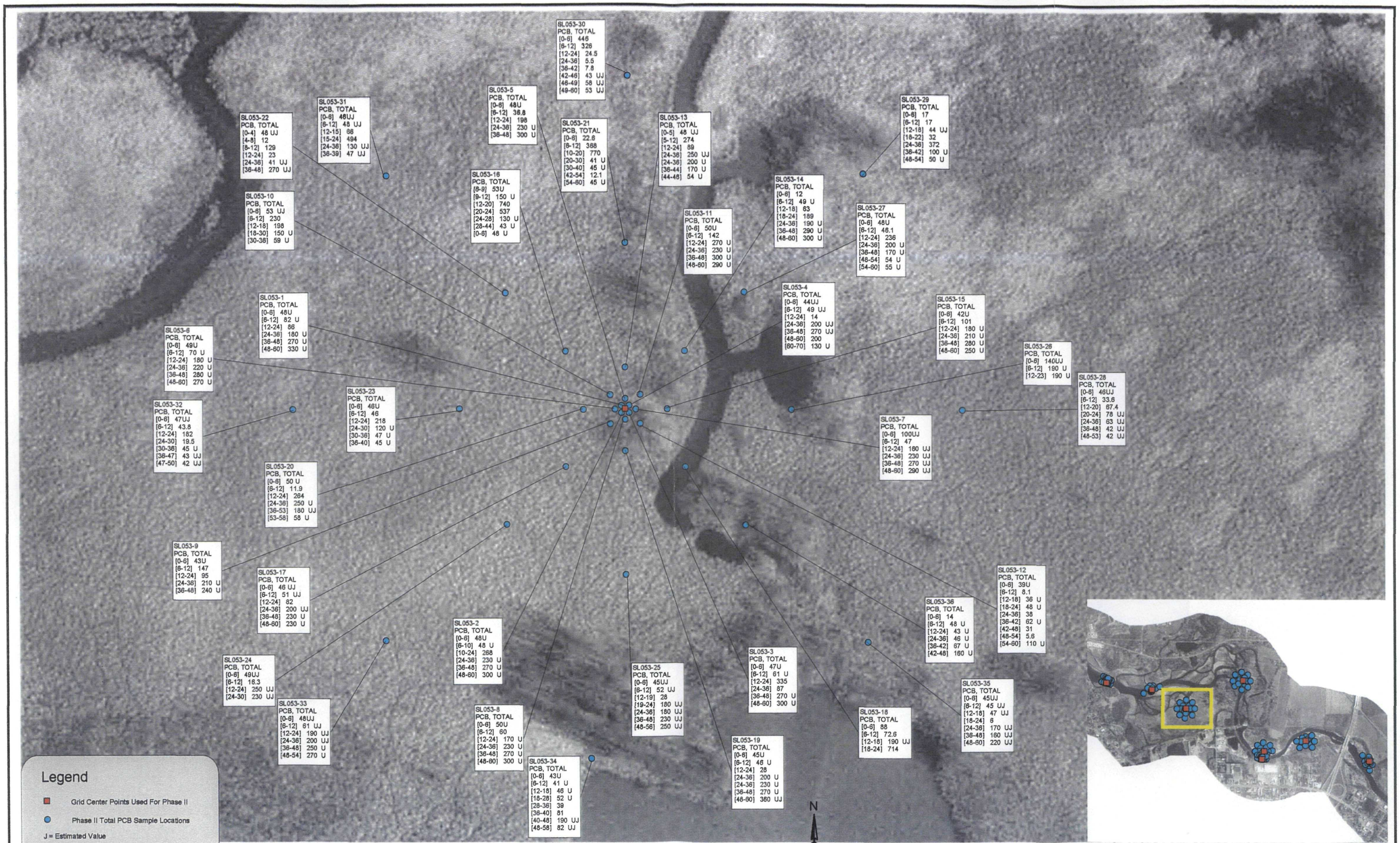
Kalamazoo, MI



Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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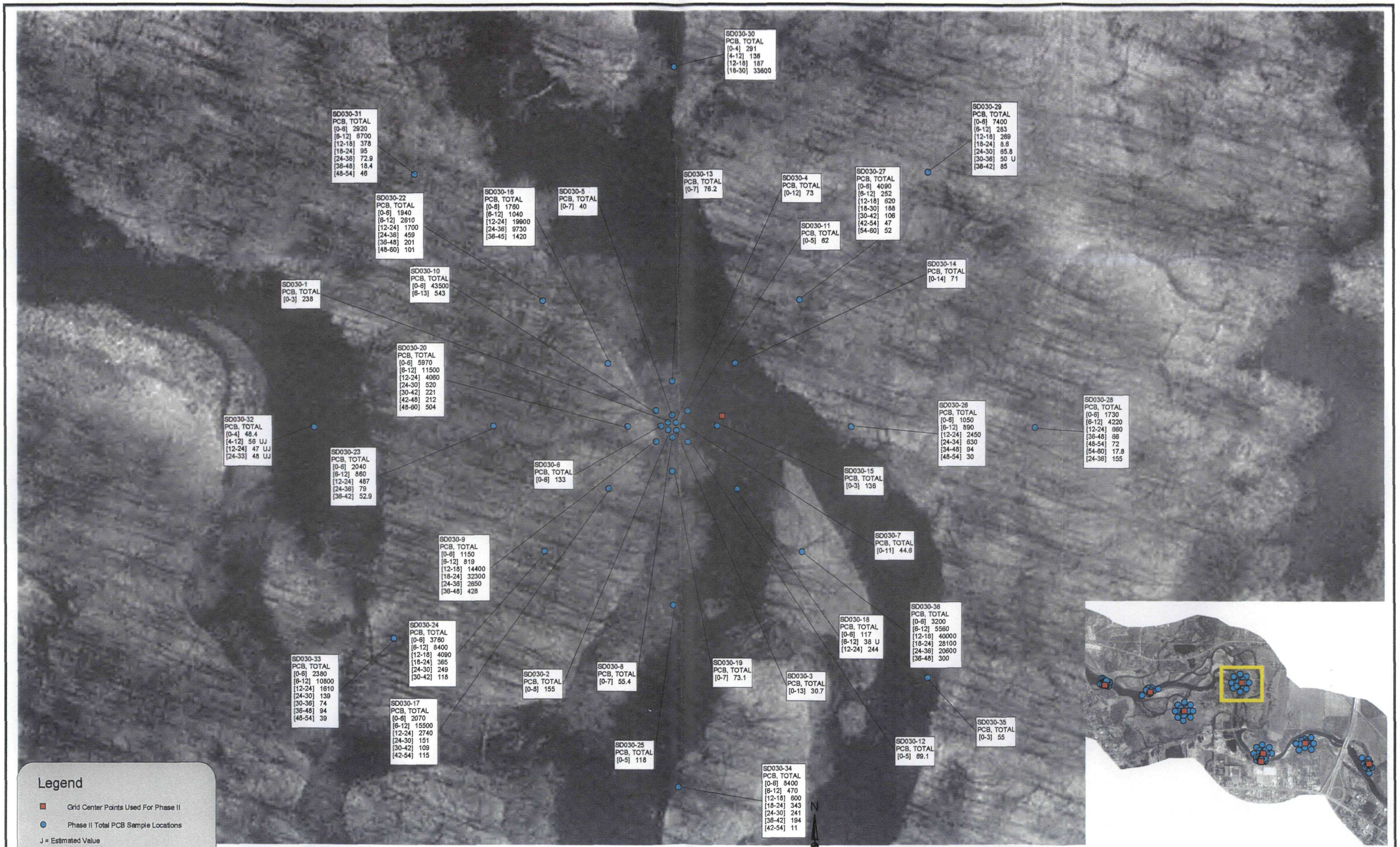
Figure 5-20: Total PCB Concentrations- Phase II- Grid 4- SL053
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI



Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Figure 5-21: Total PCB Concentrations- Phase II- Grid 5- SD030
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
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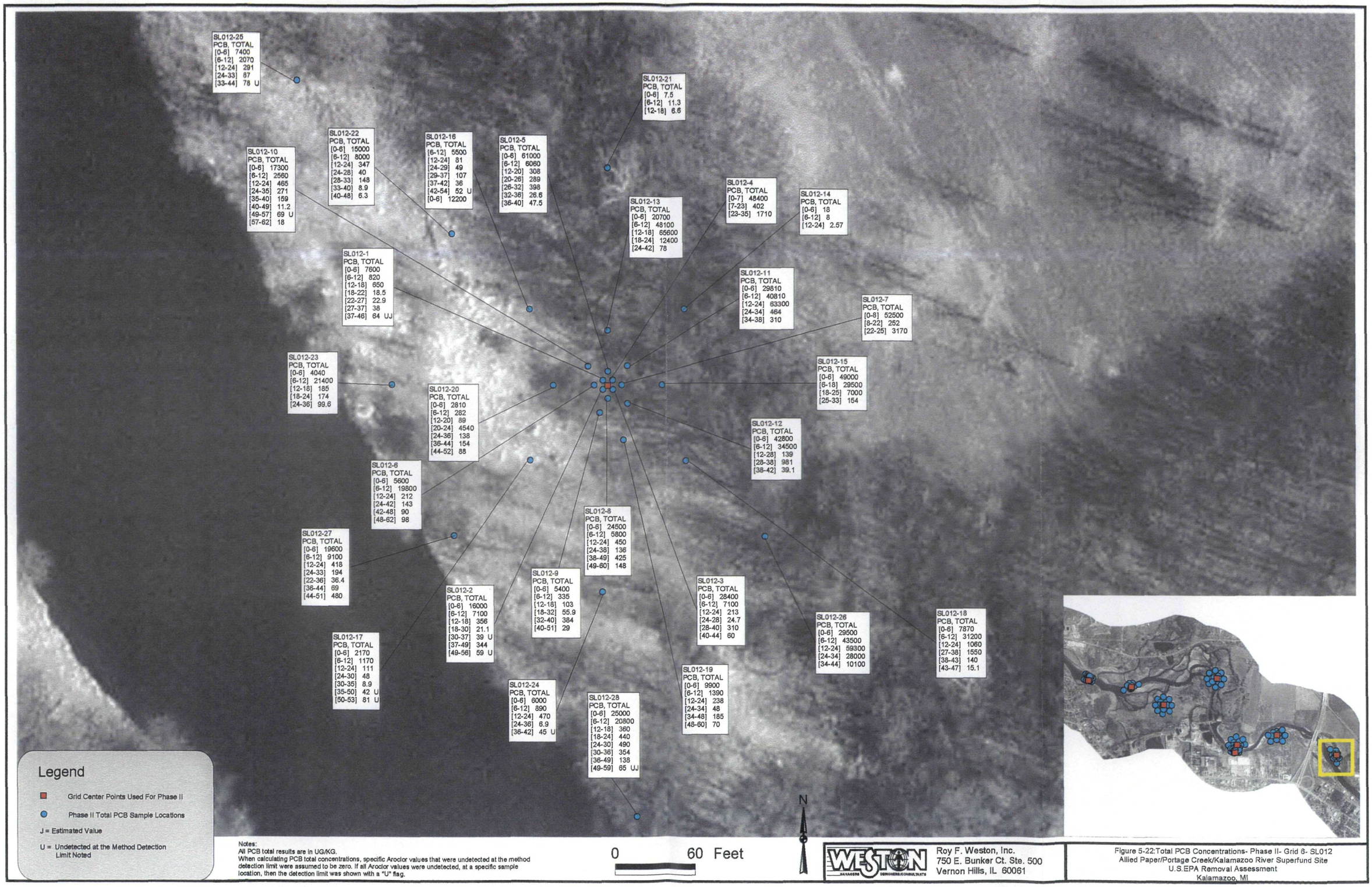

Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Figure 5-22:Total PCB Concentrations- Phase II- Grid 8- SL012
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
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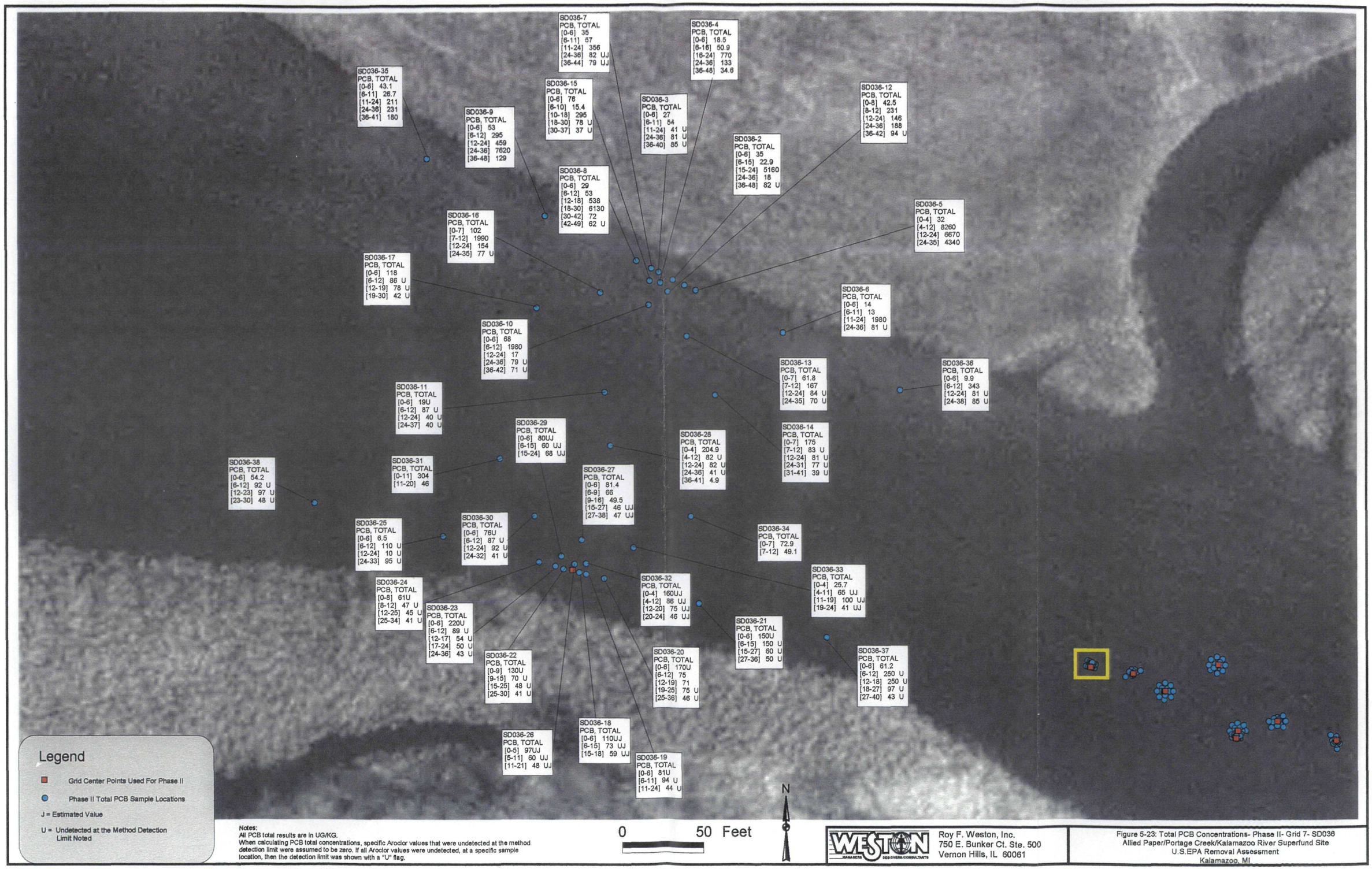
Kalamazoo, MI



Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Figure 5-23: Total PCB Concentrations- Phase II- Grid 7- SD036
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
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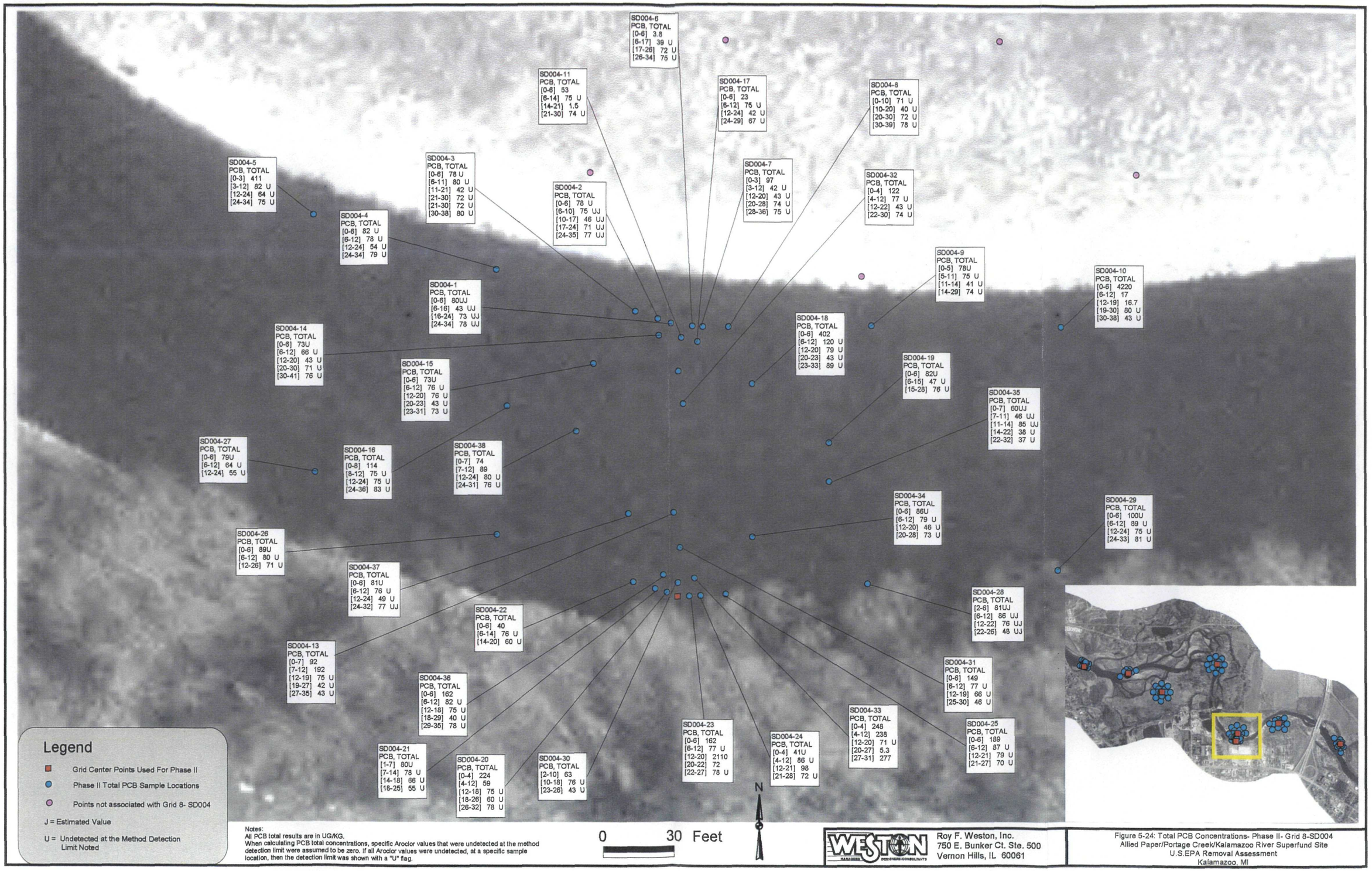

Notes:
All PCB total results are in UG/KG.
When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Figure 5-24: Total PCB Concentrations- Phase II- Grid 8-SD004
Allied Paper/Portage Creek/Kalamazoo River Superfund Site
U.S.EPA Removal Assessment
Kalamazoo, MI

Figure 5-25
Relationship of PCB Concentration and Sample Depth - Phase II - Grid 1 (SL015) - Soil

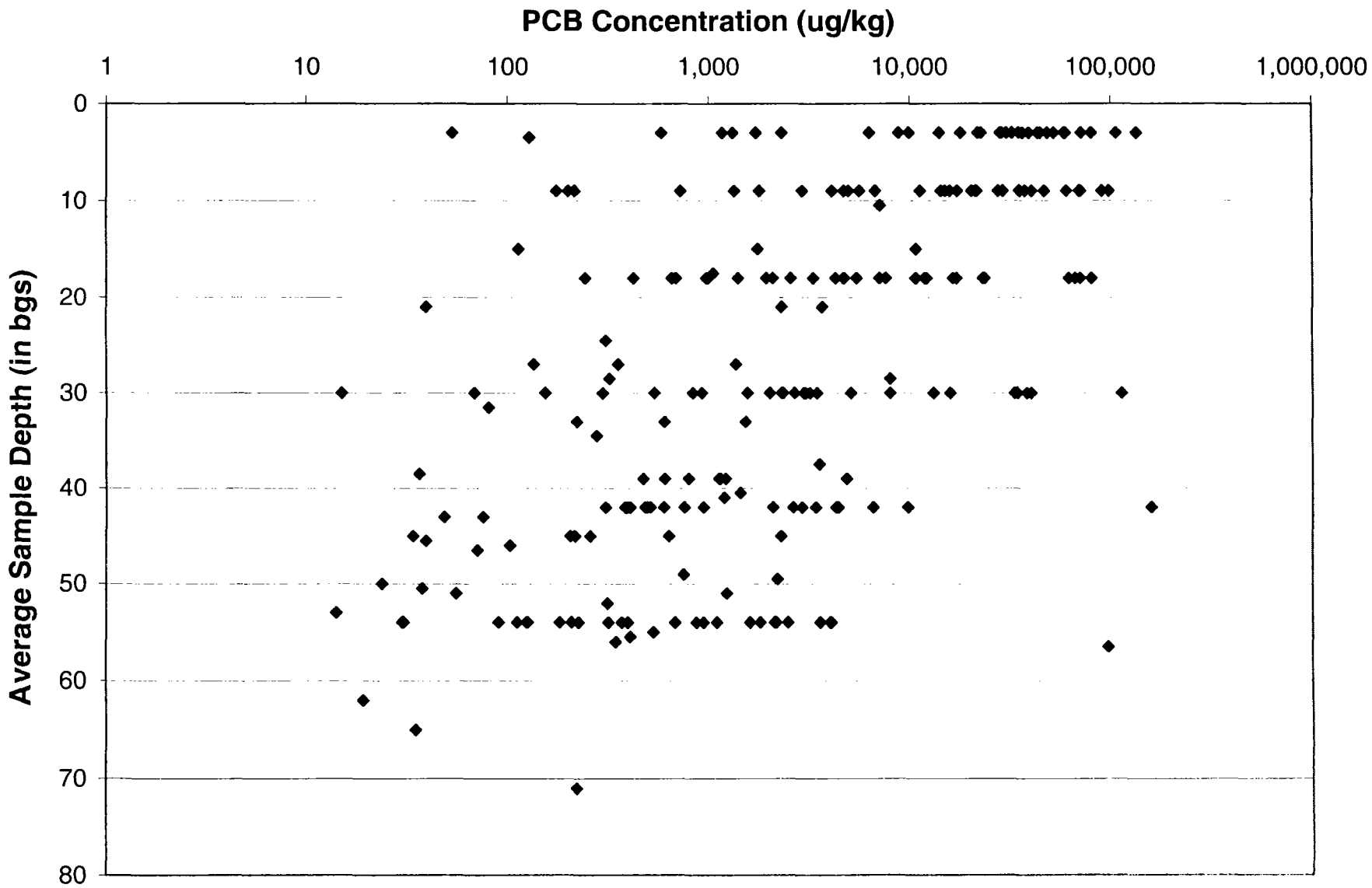


Figure 5-26
Relationship of PCB Concentration and Sample Depth - Phase II - Grid 2 (SL029) - Soil

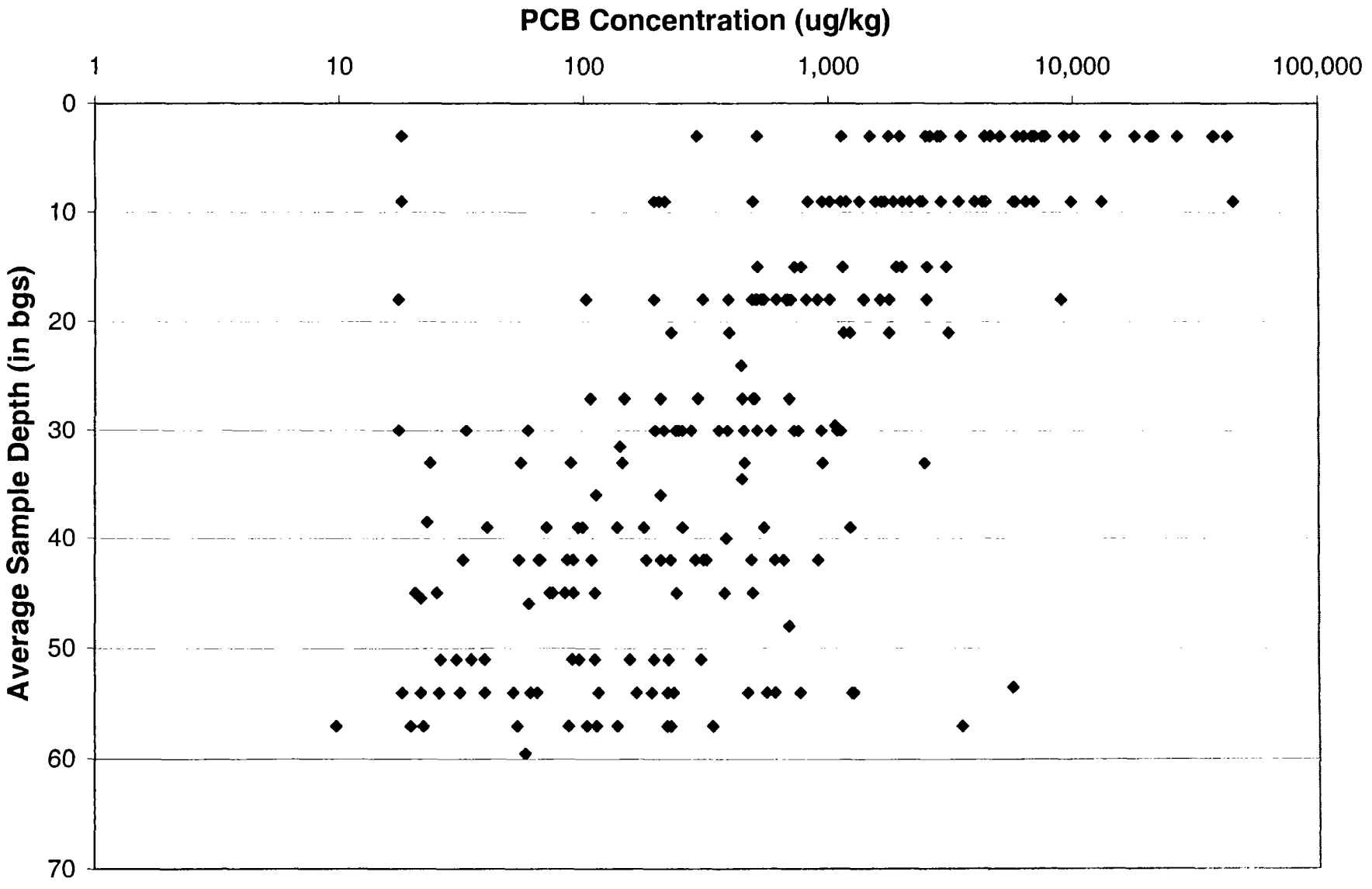


Figure 5-27
Relationship of PCB Concentration and Sample Depth - Phase II - Grid 3 (SD048) - Sediment

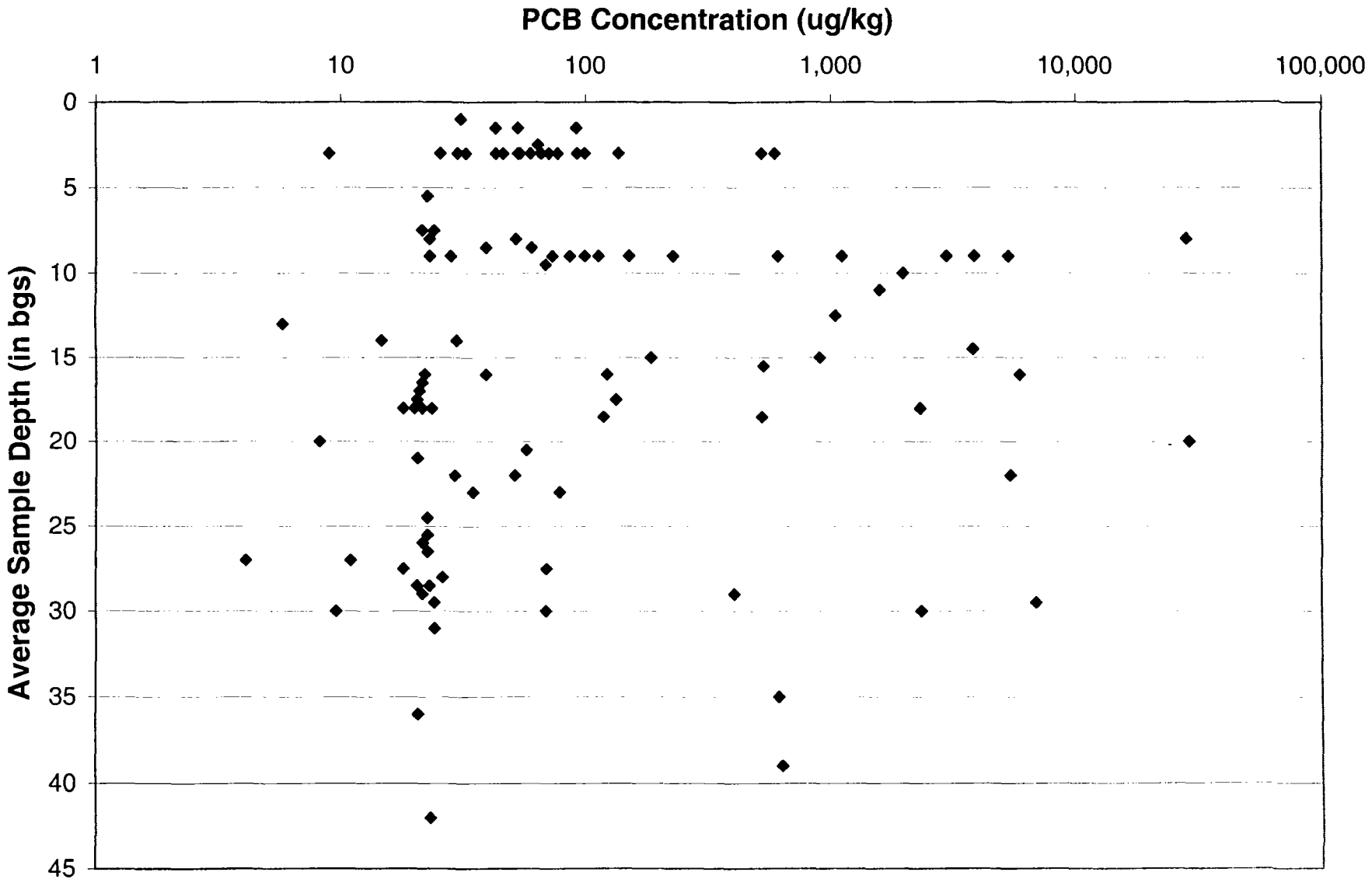


Figure 5-28
Relationship of PCB Concentration to Sample Depth - Phase II - Grid 4 (SL053) - Soil

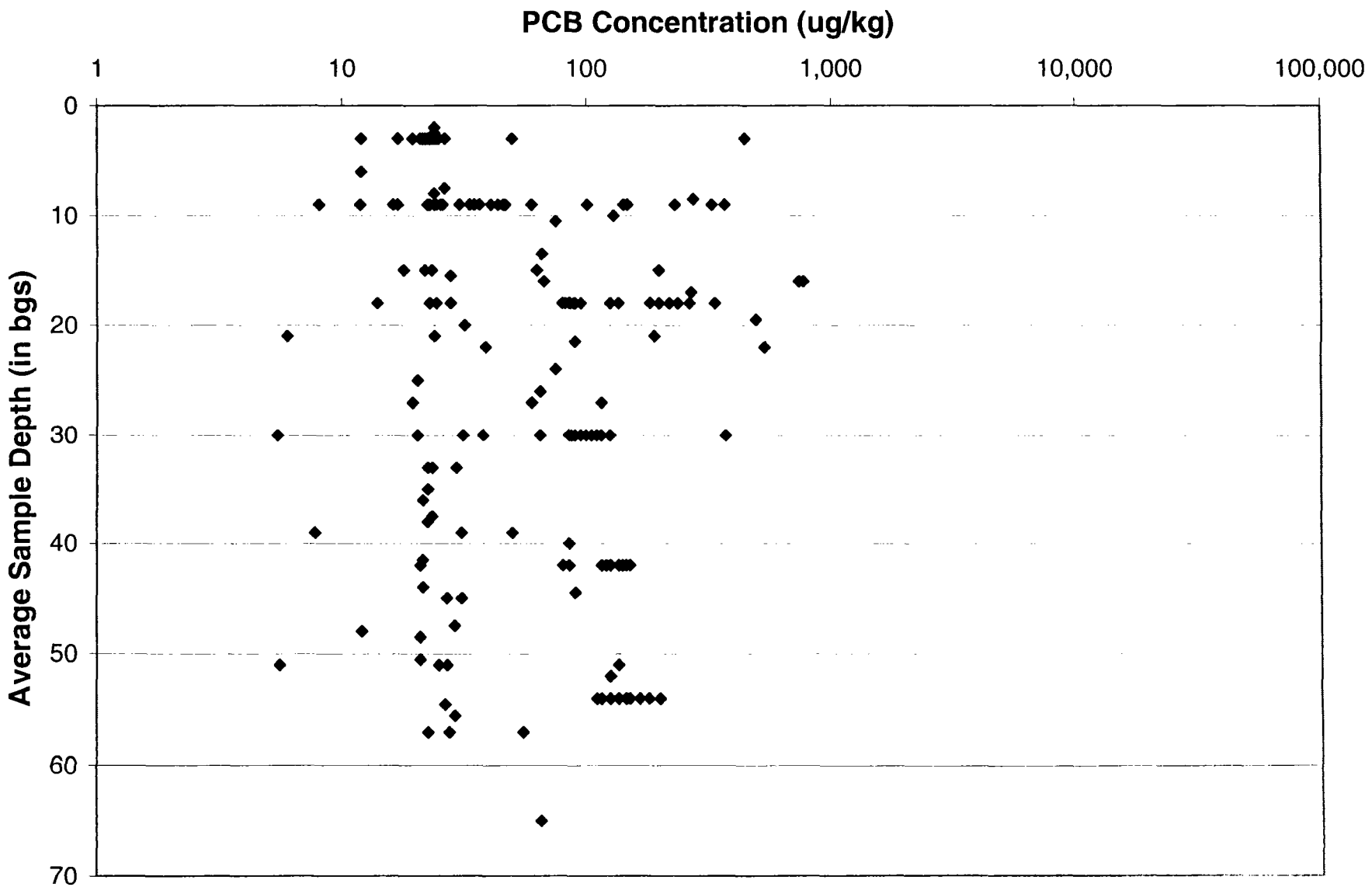


Figure 5-29
Relationship of PCB Concentration to Sample Depth - Phase II - Grid 4 (SL053) - Sediment

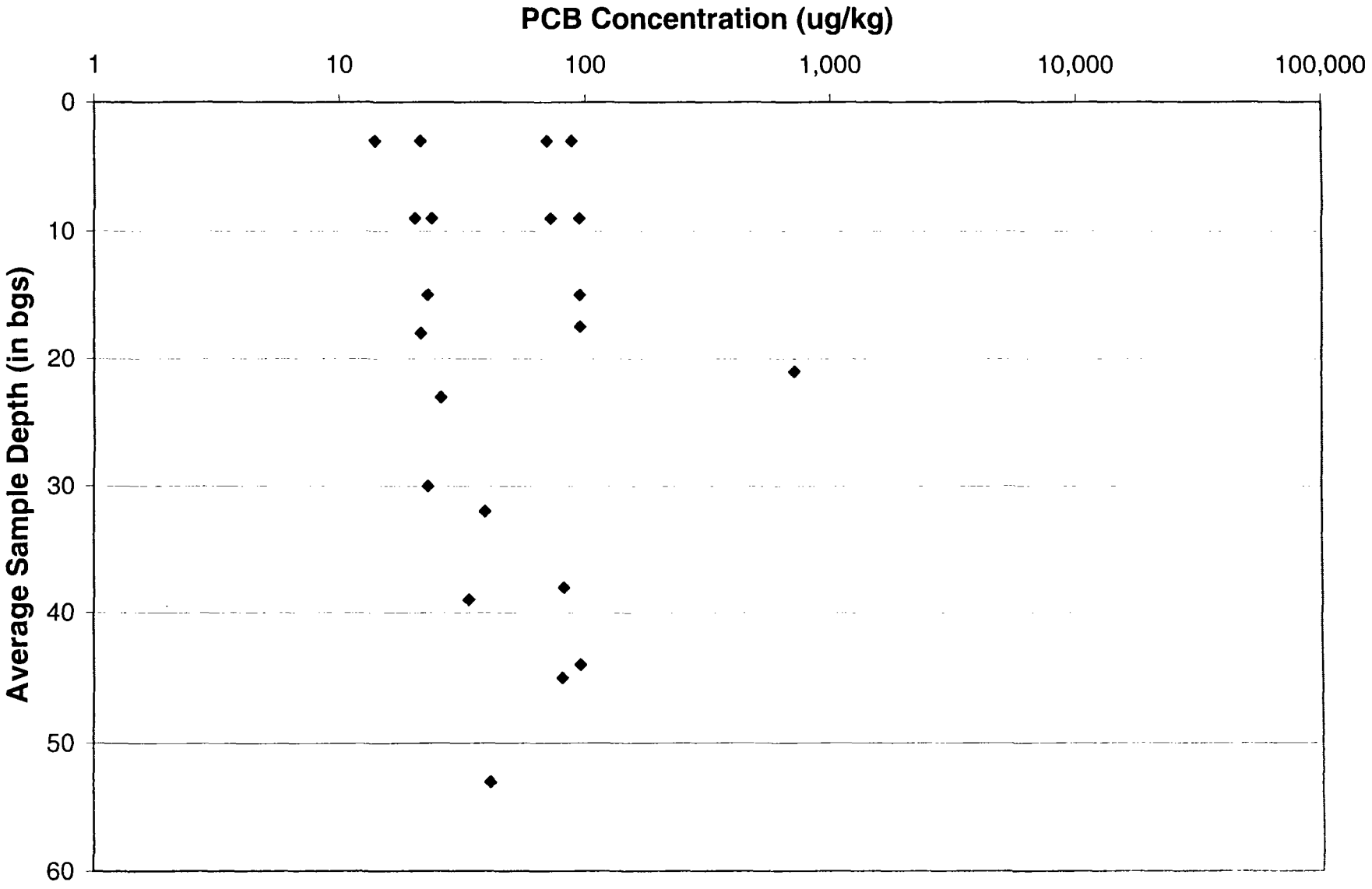


Figure 5-30
Relationship of PCB Concentration to Sample Depth - Phase II - Grid 5 (SD030) - Soil

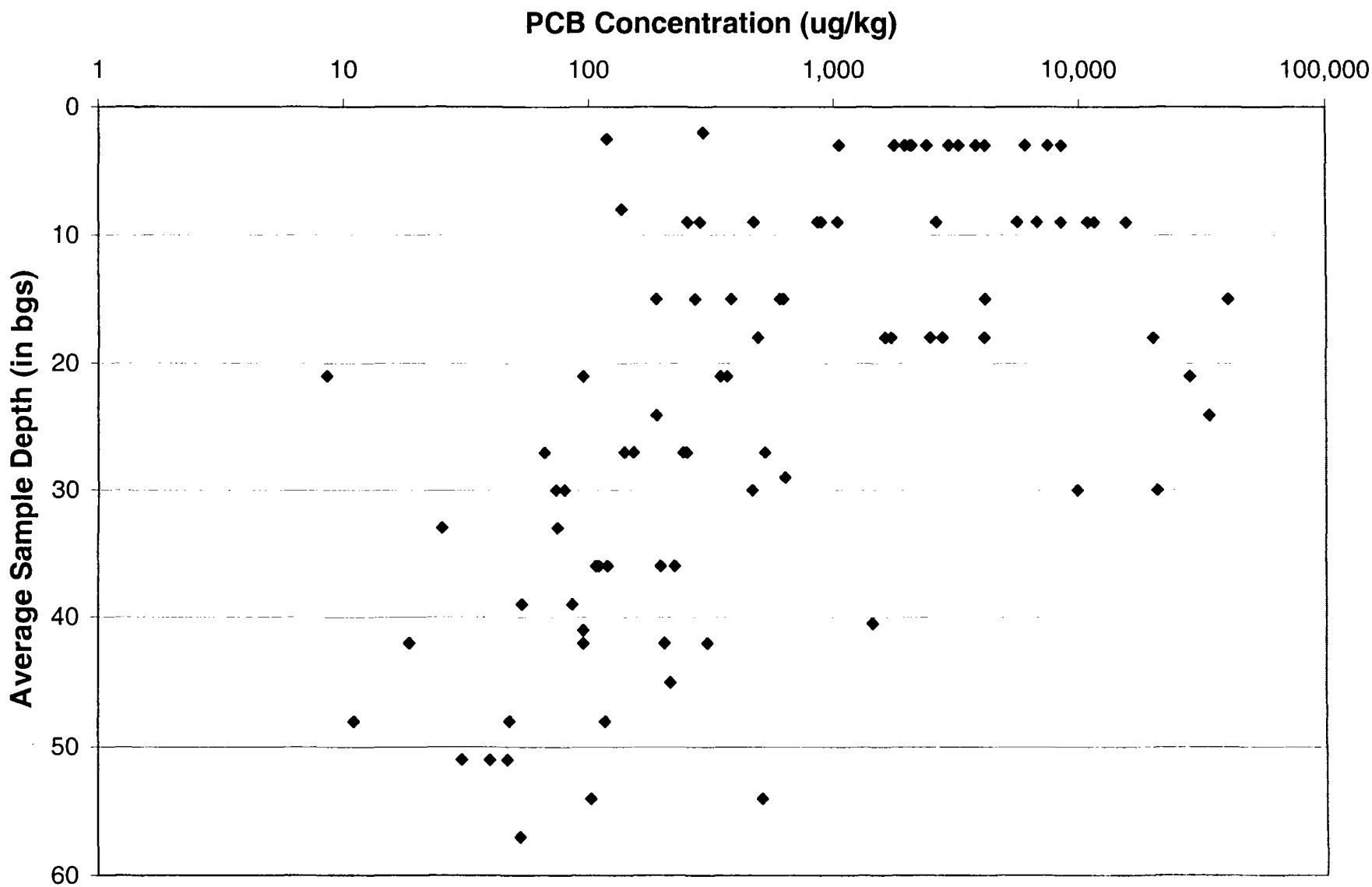


Figure 5-31
Relationship of PCB Concentration to Sample Depth - Phase II - Grid 5 (SD030) - Sediment

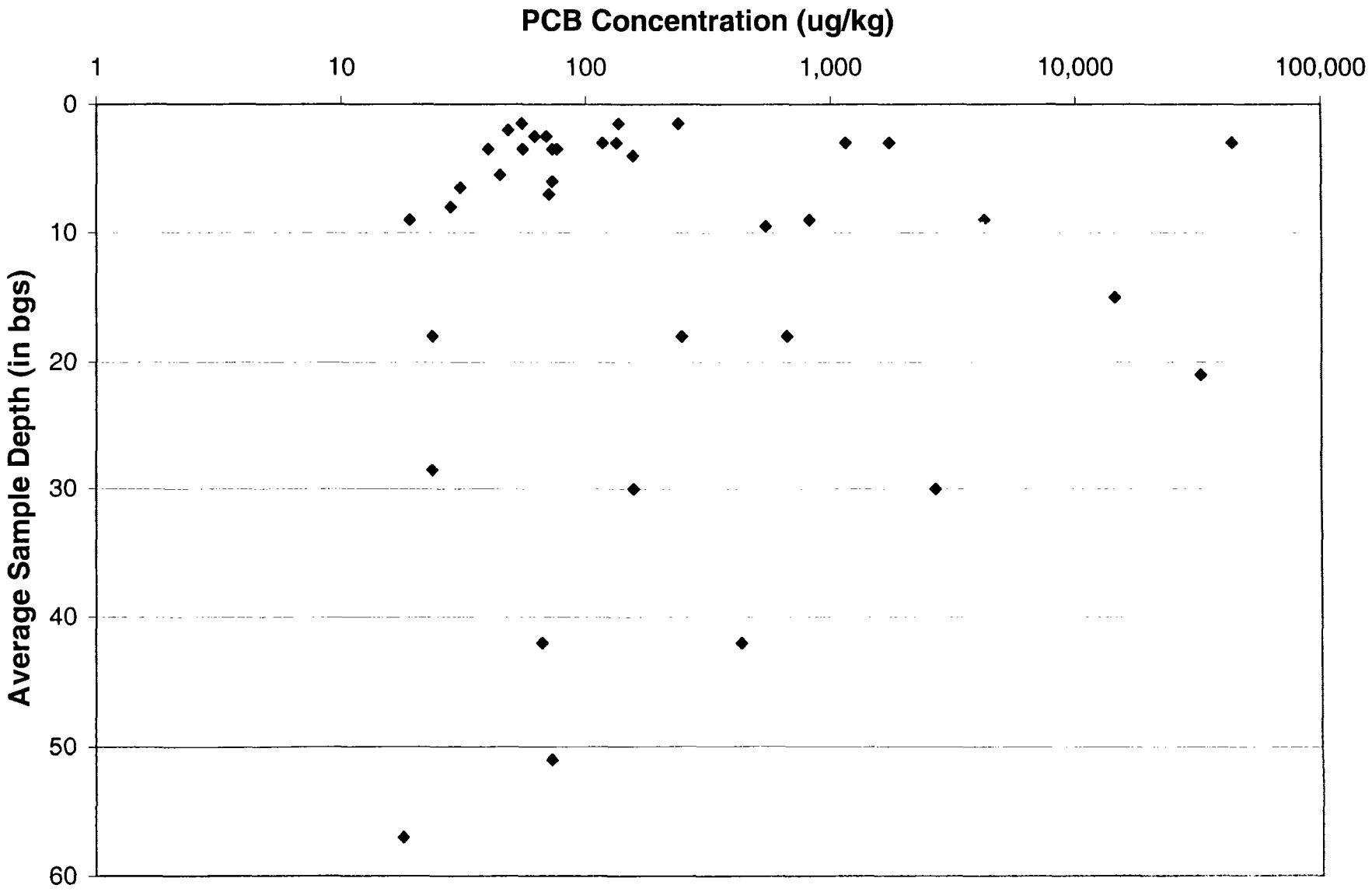


Figure 5-32
Relationship of PCB Concentration to Sample Depth - Phase II- Grid 6 (SL012) - Soil

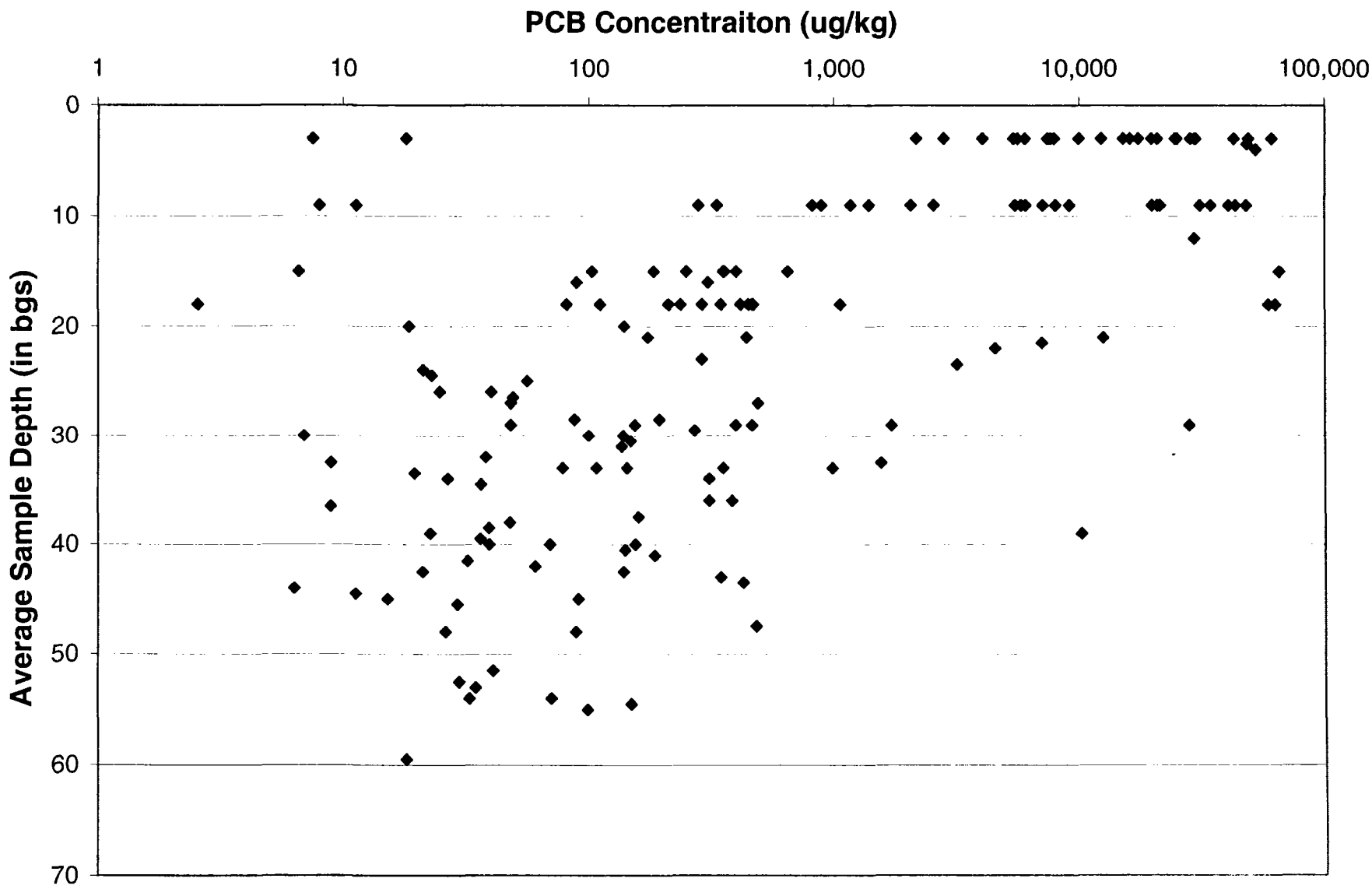


Figure 5-33
Relationship of PCB Concentration to Sample Depth - Phase II - Grid 7 (SD036) - Sediment

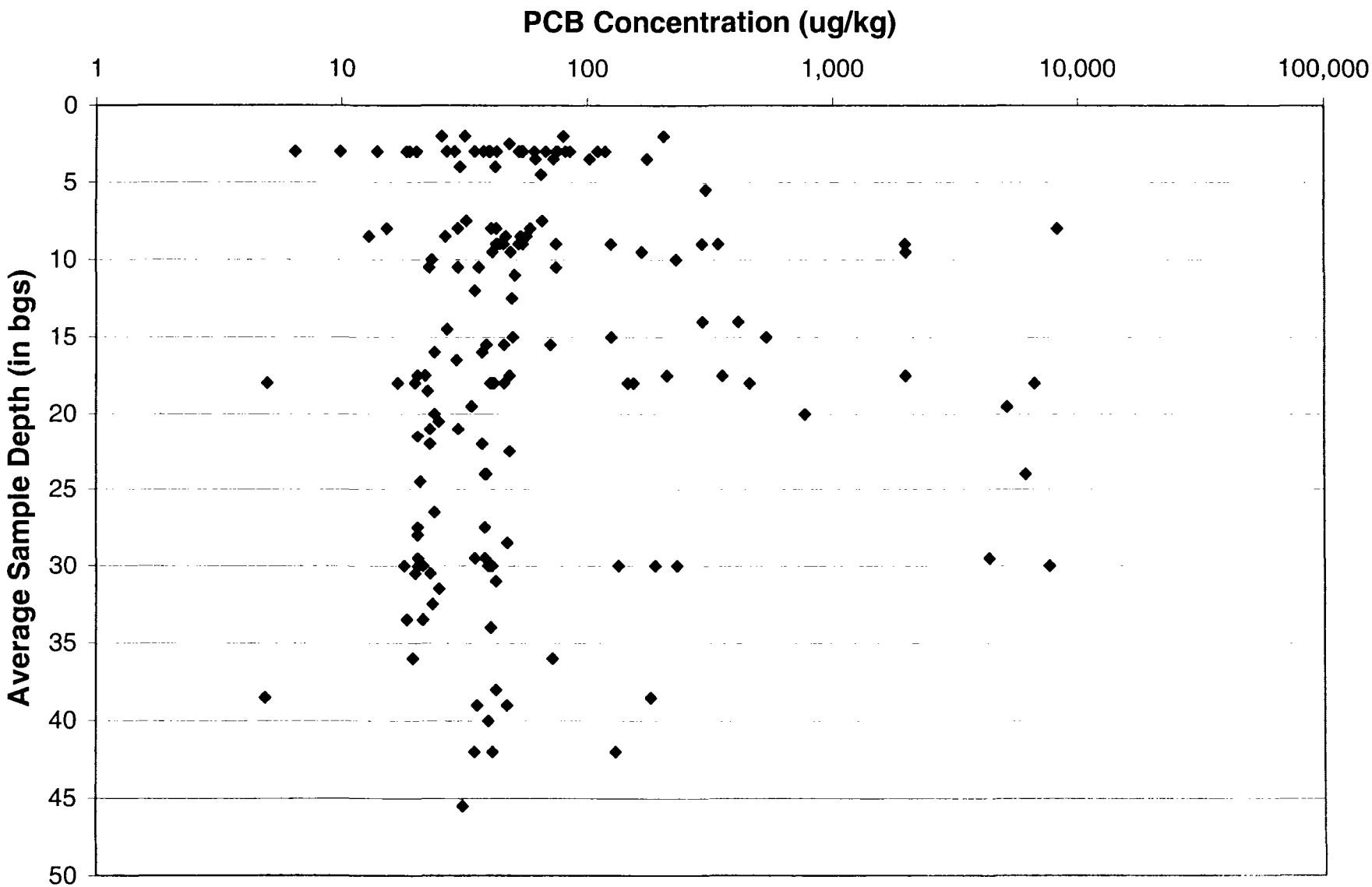
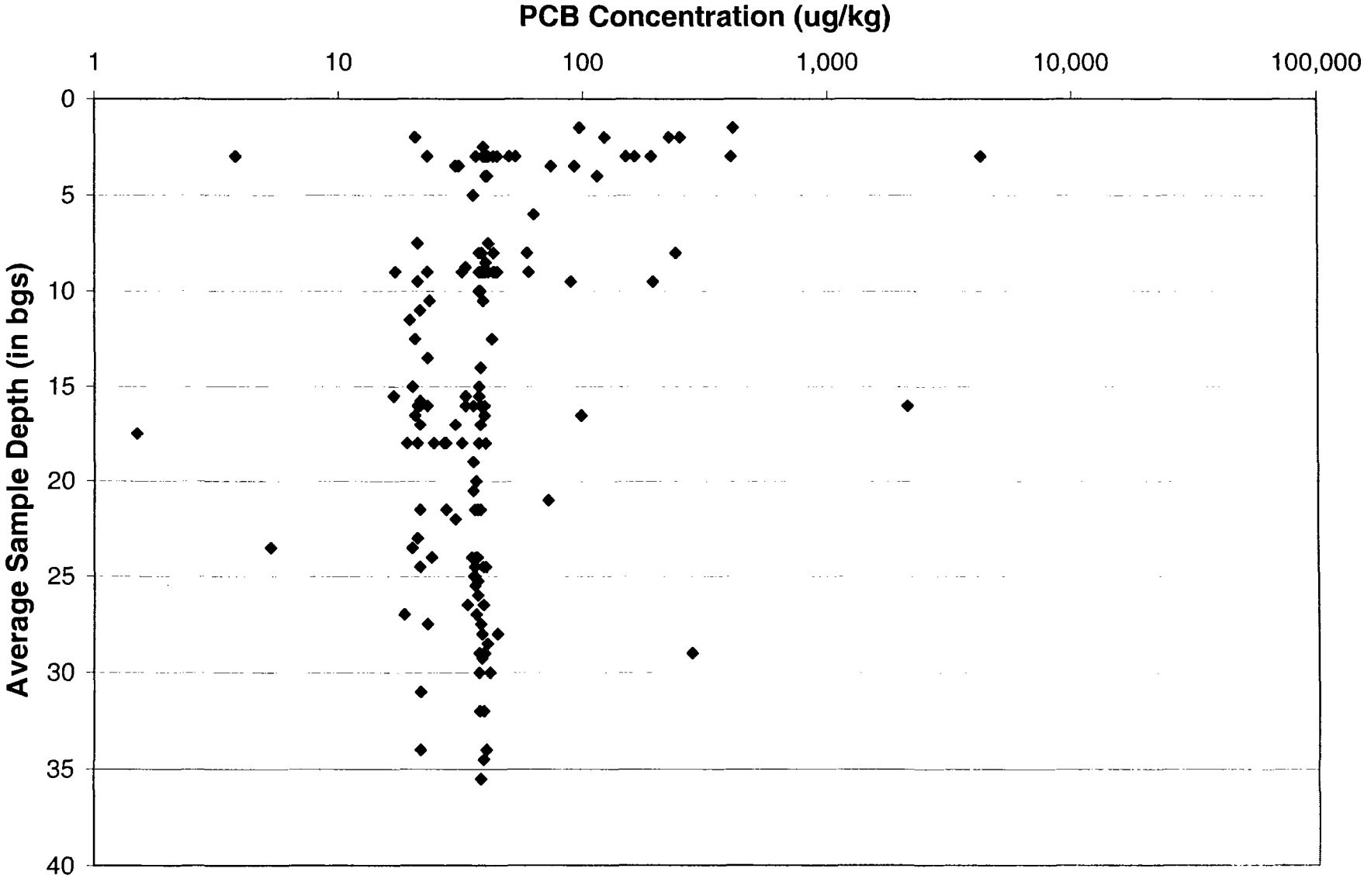


Figure 5-34
Relationship of PCB Concentration to Sample Depth - Phase II - Grid 8 (SD004) - Sediment



TABLES

Table 2-1

Weather Summary: May - August 2001
Allied Paper, Kalamazoo River

Month	Average Monthly Temperature (deg. F)	Variance From Normal (deg. F)	Total Monthly Precipitation (in)	Variance From Normal (in)
May	59.6	2.5	10.01	6.88
June	66.3	-0.7	3.35	-0.33
July	71.3	-0.3	2	-1.19
August	71.6	2.1	3.48	-0.09

Source: NWS 2001

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Table 5-1

Summary of Samples Collected During Phase I
Allied Paper, Kalamazoo River

Reach	Number of Core/Boring Locations		Number of Investigative Samples		Analysis	Total Number of Samples
	Soil	Sediment	Soil	Sediment		
1	38	14	147	53	PCB	200
1	27	13	60	37	TOC	97
1	3	4	3	4	Dioxin	7
2	31	31	133	134	PCB	267
2	25	22	73	76	TOC	149
2	4	9	4	9	Dioxin	13
						733

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL001	SL001	SL001	SL002	SL002	SL002	SL003	SL003	SL003
Sample Date	6/1/2001	6/1/2001	6/1/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001
X-Coordinate	12778321.300	12778321.300	12778321.300	12778321.300	12778321.300	12778321.300	12777945.400	12777945.400	12777945.400
Y-Coordinate	347514.900	347514.900	347514.900	347890.800	347890.800	347890.800	348266.700	348266.700	348266.700
Start Depth	0	6	12	0	6	12	0	6	12
End Depth	6	12	21	6	12	17	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	55 U	60 U	59 U	76 U	820 U	61 U	94 U	83 U	56 U
AROCLOR-1221 (UG/KG)	55 U	60 U	59 U	76 U	820 U	61 U	94 U	83 U	56 U
AROCLOR-1232 (UG/KG)	55 U	60 U	59 U	76 U	820 U	61 U	94 U	83 U	56 U
AROCLOR-1242 (UG/KG)	7300 DJ	49000 D	13000 D	2600 D	26000 DJ	1000 D	5500 D	9900 D	220 J
AROCLOR-1248 (UG/KG)	55 U	60 U	59 U	76 U	820 U	61 U	94 U	83 U	56 U
AROCLOR-1254 (UG/KG)	6500 DJ	18000 D	8200 D	1800 D	5600	240	3700 D	5100 D	310
AROCLOR-1260 (UG/KG)	4000 DJ	12000 D	3200 D	930 D	1700 J	130	1700 D	2200 D	120 J
PCB, TOTAL(UG/KG)	17800	79000	24400	5330	33300	1370	10900	17200	650
TOTAL ORGANIC CARBON (%)	6.3	4.3		4.6	3.6		4.1	4.3	3

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL003	SL003-DP	SL004	SL004	SL004	SL005	SL005	SL005	SL005-DP
Sample Date	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001
X-Coordinate	12777945.400	12777945.400	12777189.082	12777189.082	12777189.082	12776453.902	12776453.902	12776453.902	12776453.902
Y-Coordinate	348266.700	348266.700	349016.297	349016.297	349016.297	349518.452	349518.452	349518.452	349518.452
Start Depth	24	24	0	6	12	0	6	12	12
End Depth	36	36	6	12	24	6	12	24	24
Chemical Name									
AROCLOR-1016 (UG/KG)	63 U	63 U	39 UJ	36 U	36 U	740 U	76 UJ	67 UJ	59 U
AROCLOR-1221 (UG/KG)	63 U	63 U	39 U	36 U	36 U	740 U	76 UJ	67 UJ	59 U
AROCLOR-1232 (UG/KG)	63 U	63 U	39 U	36 U	36 U	740 U	76 UJ	67 UJ	59 U
AROCLOR-1242 (UG/KG)	90	63 U	39 U	36 U	36 U	65000 DJ	8700 DJ	38 J	360
AROCLOR-1248 (UG/KG)	63 U	63 U	39 U	36 U	36 U	740 U	76 UJ	67 UJ	59 U
AROCLOR-1254 (UG/KG)	68	81	39 U	36 U	36 U	14000 DJ	2000 DJ	100 J	230 J
AROCLOR-1260 (UG/KG)	65 J	74 J	39 U	36 U	36 U	5100 J	1200 DJ	82 J	71 J
PCB, TOTAL(UG/KG)	223	155	39 U	36 U	36 U	84100	11900	220	661
TOTAL ORGANIC CARBON (%)	2.5	2.9				3.3	3.4	2.6	

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL008	SL008	SL009	SL009	SL009	SL009	SL009-DP	SL011	SL011
Sample Date	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001
X-Coordinate	12773810.674	12773810.674	12774160.336	12774160.336	12774160.336	12774160.336	12774160.336	12776069.346	12776069.346
Y-Coordinate	349961.216	349961.216	349984.316	349984.316	349984.316	349984.316	349984.316	349870.998	349870.998
Start Depth	6	12	0	6	14	24	24	0	6
End Depth	12	23	6	12	24	32	32	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	65 U	67 UJ	62 UJ	61 U	78 U	59 U	59 U	50 UJ	40 UJ
AROCLOR-1221 (UG/KG)	65 U	67 UJ	62 UJ	61 U	78 U	59 U	59 U	50 UJ	40 UJ
AROCLOR-1232 (UG/KG)	65 U	67 UJ	62 UJ	61 U	78 U	59 U	59 U	50 UJ	40 UJ
AROCLOR-1242 (UG/KG)	9000 DJ	220 J	52 J	61 U	78 U	59 U	59 U	1200 DJ	2200 DJ
AROCLOR-1248 (UG/KG)	65 U	67 UJ	62 UJ	61 U	78 U	59 U	59 U	50 UJ	40 UJ
AROCLOR-1254 (UG/KG)	4000 DJ	100 J	63 J	61 U	98	59 U	59 U	230 J	300 J
AROCLOR-1260 (UG/KG)	1200 DJ	69 J	69 J	61 U	100	59 U	59 U	80 J	130 J
PCB, TOTAL(UG/KG)	14200	389	184	61 U	198	59 U	59 U	1510	2630
TOTAL ORGANIC CARBON (%	4.1	4.1	5.6	4.2				1.4	0.7 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL005	SL006	SL006	SL006	SL006	SL007	SL007	SL007	SL008
Sample Date	5/24/2001	5/24/2001	5/24/2001	5/24/2001	6/1/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001
X-Coordinate	12776453.902	12773053.754	12773053.754	12773053.754	12773053.754	12773412.268	12773412.268	12773412.268	12773810.674
Y-Coordinate	349518.452	349801.552	349801.552	349801.552	349801.552	349836.433	349836.433	349836.433	349961.216
Start Depth	24	0	6	12	24	0	6	12	0
End Depth	29	6	12	24	36	6	12	20	6
Chemical Name									
AROCLOR-1016 (UG/KG)	53 UJ	58 UJ	57 UJ	54 UJ	42 U	36 UJ	37 UJ	38 UJ	610 U
AROCLOR-1221 (UG/KG)	53 UJ	58 UJ	57 UJ	54 UJ	42 U	36 UJ	37 UJ	38 UJ	610 U
AROCLOR-1232 (UG/KG)	53 UJ	58 UJ	57 UJ	54 UJ	42 U	36 UJ	37 UJ	38 UJ	610 U
AROCLOR-1242 (UG/KG)	53 UJ	360 J	250 J	150 J	50 J	36 UJ	37 UJ	38 UJ	32000 DJ
AROCLOR-1248 (UG/KG)	53 UJ	58 UJ	57 UJ	54 UJ	42 U	36 UJ	37 UJ	38 UJ	610 U
AROCLOR-1254 (UG/KG)	53 UJ	590 J	600 J	350 J	56 J	19 J	11 J	21 J	15000 DJ
AROCLOR-1260 (UG/KG)	53 UJ	500 J	290 J	140 J	26 J	36 UJ	37 UJ	19 J	7900 DJ
PCB, TOTAL(UG/KG)	53 UJ	1450	1140	640	132	19	11	40	54900
TOTAL ORGANIC CARBON (%)	1.5	5.4				0.5 J			4.1 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL011	SL011-DP	SL011	SL012	SL012	SL012	SL013	SL013	SL013
Sample Date	5/24/2001	5/24/2001	5/24/2001	5/31/2001	5/31/2001	5/31/2001	5/23/2001	5/23/2001	5/23/2001
X-Coordinate	12776069.346	12776069.346	12776069.346	12776837.886	12776837.886	12776837.886	12772307.550	12772307.550	12772307.550
Y-Coordinate	349870.998	349870.998	349870.998	349768.748	349768.748	349768.748	350143.673	350143.673	350143.673
Start Depth	12	12	24	0	6	16	0	6	12
End Depth	24	18	37	6	16	21	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	460 UJ	590 UJ	54 U	79 U	39 U	73 U	36 UJ	34 U	35 U
AROCLOR-1221 (UG/KG)	460 UJ	590 UJ	54 U	79 U	39 U	73 U	36 UJ	34 U	35 U
AROCLOR-1232 (UG/KG)	460 UJ	590 UJ	54 U	79 U	39 U	73 U	36 UJ	34 U	35 U
AROCLOR-1242 (UG/KG)	18000 DJ	37000 DJ	3400 D	1900 DJ	15 J	190	36 UJ	34 U	35 U
AROCLOR-1248 (UG/KG)	460 UJ	590 UJ	54 U	79 U	39 U	73 U	36 UJ	34 U	35 U
AROCLOR-1254 (UG/KG)	2500 J	5200 J	350	7200 DJ	8.1 J	250	36 UJ	34 U	35 U
AROCLOR-1260 (UG/KG)	760 J	1400 J	110 J	3300 DJ	9.1 J	110 J	36 U	34 U	35 U
PCB, TOTAL(UG/KG)	21260	43600	3860	12400	32.2	550	36 UJ	34 U	35 U
TOTAL ORGANIC CARBON (%)	0.9 J		1.6	4.4 J		3.6 J			

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL014	SL014	SL014	SL014	SL015	SL015	SL015	SL015-DP	SL015
Sample Date	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001
X-Coordinate	12772565.265	12772565.265	12772565.265	12772565.265	12773058.700	12773058.700	12773058.700	12773058.700	12773058.700
Y-Coordinate	350327.297	350327.297	350327.297	350327.297	350146.200	350146.200	350146.200	350146.200	350146.200
Start Depth	0	6	12	24	0	6	12	12	24
End Depth	6	12	24	34	6	12	24	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	67 U	62 UJ	46 UJ	74 UJ	600 UJ	59 UJ	59 UJ	59 UJ	58 UJ
AROCLOR-1221 (UG/KG)	67 U	62 UJ	46 UJ	74 UJ	600 UJ	59 UJ	59 UJ	59 UJ	58 UJ
AROCLOR-1232 (UG/KG)	67 U	62 UJ	46 UJ	74 UJ	600 UJ	59 UJ	59 UJ	59 UJ	58 UJ
AROCLOR-1242 (UG/KG)	10000 DJ	27000 DJ	620 D	74 UJ	30000 DJ	6800 DJ	9500 DJ	10000 DJ	1500 DJ
AROCLOR-1248 (UG/KG)	67 U	62 UJ	46 UJ	74 UJ	600 UJ	59 UJ	59 UJ	59 UJ	58 UJ
AROCLOR-1254 (UG/KG)	3300 DJ	5600 DJ	170 J	74 UJ	8300 DJ	9200 DJ	3100 DJ	3600 DJ	1600 DJ
AROCLOR-1260 (UG/KG)	1800 DJ	1600 DJ	100 J	120 J	3000 J	5000 DJ	1700 DJ	1800 DJ	920 DJ
PCB, TOTAL(UG/KG)	15100	34200	890	120	41300	21000	14300	15400	4020
TOTAL ORGANIC CARBON (%					6.3	5.4	4.4	4.5	4.5

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL016	SL016-DP	SL016	SL016	SL016	SL016	SL016	SL016	SL017
Sample Date	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/24/2001
X-Coordinate	12773434.600	12773434.600	12773434.600	12773434.600	12773434.600	12773434.600	12773434.600	12773434.600	12774185.369
Y-Coordinate	350146.200	350146.200	350146.200	350146.200	350146.200	350146.200	350146.200	350146.200	350139.900
Start Depth	0	0	6	12	16	24	36	48	0
End Depth	6	6	12	16	24	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	59 U	58 U	58 U	45 UJ	58 U	60 U	71 U	62 U	300 UJ
AROCLOR-1221 (UG/KG)	59 U	58 U	58 U	45 UJ	58 U	60 U	71 U	62 U	300 UJ
AROCLOR-1232 (UG/KG)	59 U	58 U	58 U	45 UJ	58 U	60 U	71 U	62 U	300 UJ
AROCLOR-1242 (UG/KG)	2600 DJ	820 DJ	58 U	44 J	1800 D	1600 D	630	590 D	11000 DJ
AROCLOR-1248 (UG/KG)	59 U	58 U	58 U	45 UJ	58 U	60 U	71 U	62 U	300 UJ
AROCLOR-1254 (UG/KG)	1800 DJ	960 J	58 U	45 UJ	690	940 D	200	200	6800 DJ
AROCLOR-1260 (UG/KG)	1200 DJ	490 DJ	71 J	69	270	320 D	71 J	71 J	2900 J
PCB, TOTAL(UG/KG)	5600	2270	71	113	2760	2860	901	861	20700
TOTAL ORGANIC CARBON (%)								2.6 J	5

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL017	SL017	SL018	SL018	SL018	SL018-DP	SL018	SL019	SL019-DP
Sample Date	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	6/1/2001	5/24/2001	5/24/2001
X-Coordinate	12774185.369	12774185.369	12774572.841	12774572.841	12774572.841	12774572.841	12774572.841	12774936.602	12774936.602
Y-Coordinate	350139.900	350139.900	350248.511	350248.511	350248.511	350248.511	350248.511	350159.436	350159.436
Start Depth	18	24	0	6	12	12	24	0	6
End Depth	24	36	6	12	24	24	36	6	11
Chemical Name									
AROCLOR-1016 (UG/KG)	340 U	64 UJ	56 UJ	57 U	62 UJ	62 UJ	44 U	36 U	35 UJ
AROCLOR-1221 (UG/KG)	340 U	64 UJ	56 UJ	57 U	62 UJ	62 UJ	44 U	36 U	35 UJ
AROCLOR-1232 (UG/KG)	340 U	64 UJ	56 UJ	57 U	62 UJ	62 UJ	44 U	36 U	35 UJ
AROCLOR-1242 (UG/KG)	11000 DJ	64 UJ	56 UJ	57 U	62 UJ	40 J	44 U	36 U	130 J
AROCLOR-1248 (UG/KG)	340 U	64 UJ	56 UJ	57 U	62 UJ	62 UJ	44 U	36 U	35 UJ
AROCLOR-1254 (UG/KG)	9400 DJ	350 J	56 UJ	57 U	75 J	110 J	44 U	36 U	150 J
AROCLOR-1260 (UG/KG)	6500 DJ	250 J	6.9 J	57 U	69 J	85 J	44 U	28 J	65 J
PCB, TOTAL(UG/KG)	26900	600	6.9	57 U	144	235	44 U	28	345
TOTAL ORGANIC CARBON (%									

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL020	SL020	SL020	SL020	SL020	SL021	SL021	SL021	SL021
Sample Date	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001
X-Coordinate	12775690.000	12775690.000	12775690.000	12775690.000	12775690.000	12776065.900	12776065.900	12776065.900	12776065.900
Y-Coordinate	350146.200	350146.200	350146.200	350146.200	350146.200	350146.200	350146.200	350146.200	350146.200
Start Depth	0	6	12	24	36	0	6	12	24
End Depth	6	12	24	36	48	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	650 U	35 U	43 U	41 U	45 U	56 UJ	42 UJ	41 UJ	50 U
AROCLOR-1221 (UG/KG)	650 U	35 U	43 U	41 U	45 U	56 UJ	42 UJ	41 UJ	50 U
AROCLOR-1232 (UG/KG)	650 U	35 U	43 U	41 U	45 U	56 UJ	42 UJ	41 UJ	50 U
AROCLOR-1242 (UG/KG)	48000 DJ	110	12 J	41 U	200	10000 DJ	7700 DJ	27 J	50 U
AROCLOR-1248 (UG/KG)	650 U	35 U	43 U	41 U	45 U	56 UJ	42 UJ	41 UJ	50 U
AROCLOR-1254 (UG/KG)	9800 DJ	53	10 J	41 U	41 J	2800 DJ	1600 DJ	32 J	50 U
AROCLOR-1260 (UG/KG)	3100 J	35 U	5.5 J	41 U	45 U	1400 DJ	740 DJ	41 UJ	29 J
PCB, TOTAL(UG/KG)	*60900*	*163*	*27.5*	*41 U*	*241*	*14200*	*10040*	*59*	*29*
TOTAL ORGANIC CARBON (%			1.2			2.6	0.7 J	0.3 J	4.3

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL021	SL022	SL022	SL022	SL022	SL023	SL023	SL023	SL024
Sample Date	5/24/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/22/2001
X-Coordinate	12776065.900	12776455.657	12776455.657	12776455.657	12776455.657	12776746.519	12776746.519	12776746.519	12772719.700
Y-Coordinate	350146.200	350144.456	350144.456	350144.456	350144.456	350127.967	350127.967	350127.967	350509.500
Start Depth	36	0	6	12	24	0	6	12	0
End Depth	40	6	12	24	30	6	12	18	6
Chemical Name									
AROCLOR-1016 (UG/KG)	57 U	72 U	63 U	48 U	46 U	76 U	74 U	58 U	59 U
AROCLOR-1221 (UG/KG)	57 U	72 U	63 U	48 U	46 U	76 U	74 U	58 U	59 U
AROCLOR-1232 (UG/KG)	57 U	72 U	63 U	48 U	46 U	76 U	74 U	58 U	59 U
AROCLOR-1242 (UG/KG)	57 U	830 DJ	390	48 U	46 U	5400 JD	310 J	58 U	510 D
AROCLOR-1248 (UG/KG)	57 U	72 U	63 U	48 U	46 U	76 U	74 U	58 U	59 U
AROCLOR-1254 (UG/KG)	57 U	1200 DJ	250 J	48 U	46 U	2700 JD	180 J	58 U	830 DJ
AROCLOR-1260 (UG/KG)	36 J	520	180	48 U	46 U	1200 JD	79 J	58 U	580 DJ
PCB, TOTAL(UG/KG)	36	2550	820	48 U	46 U	9300	569	58 U	1920
TOTAL ORGANIC CARBON (%	3.8	3.6 J	2.4 J	0.9 J				1.8	6.1

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL024	SL024	SL024-DP	SL024	SL025	SL025	SL025	SL025	SL025
Sample Date	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001	5/30/2001	5/30/2001
X-Coordinate	12772719.700	12772719.700	12772719.700	12772719.700	12773058.700	12773058.700	12773058.700	12773058.700	12773058.700
Y-Coordinate	350509.500	350509.500	350509.500	350509.500	350522.100	350522.100	350522.100	350522.100	350522.100
Start Depth	6	12	12	24	0	6	12	18	24
End Depth	12	24	24	36	6	12	16	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	58 U	65 U	64 U	60 U	59 U	60 U	61 U	55 U	60 U
AROCLOR-1221 (UG/KG)	58 U	65 U	64 U	60 U	59 U	60 U	61 U	55 U	60 U
AROCLOR-1232 (UG/KG)	58 U	65 U	64 U	60 U	59 U	60 U	61 U	55 U	60 U
AROCLOR-1242 (UG/KG)	58 U	65 U	64 U	60 U	260	100	61 U	55 U	60 U
AROCLOR-1248 (UG/KG)	58 U	65 U	64 U	60 U	59 U	60 U	61 U	55 U	60 U
AROCLOR-1254 (UG/KG)	58 U	65 U	51 J	21 J	270	87	15 J	55 U	20 J
AROCLOR-1260 (UG/KG)	88	39 J	72	22 J	280	79	15 J	55 U	15 J
PCB, TOTAL(UG/KG)	88	39	123	43	810	266	30	55 U	35
TOTAL ORGANIC CARBON (%	6	5.5	5.3	4.4					

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL025	SL026	SL026	SL027	SL027	SL027	SL027	SL027	SL028
Sample Date	5/30/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/30/2001	5/30/2001	5/23/2001
X-Coordinate	12773058.700	12773445.069	12773445.069	12773810.500	12773810.500	12773810.500	12773810.500	12773810.500	12774186.400
Y-Coordinate	350522.100	350498.510	350498.510	350522.100	350522.100	350522.100	350522.100	350522.100	350522.100
Start Depth	36	0	6	0	6	12	18	24	0
End Depth	48	6	12	6	12	16	24	30	6
Chemical Name									
AROCLOR-1016 (UG/KG)	36 UJ	59 U	50 U	46 U	37 U	35 U	32 UJ	31 UJ	600 U
AROCLOR-1221 (UG/KG)	36 UJ	59 U	50 U	46 U	37 U	35 U	32 UJ	31 UJ	600 U
AROCLOR-1232 (UG/KG)	36 UJ	59 U	50 U	46 U	37 U	35 U	32 UJ	31 UJ	600 U
AROCLOR-1242 (UG/KG)	36 UJ	2100 D	1400 DJ	37 J	37 U	35 U	32 UJ	31 UJ	32000 DJ
AROCLOR-1248 (UG/KG)	36 UJ	59 U	50 U	46 U	37 U	35 U	32 UJ	31 UJ	600 U
AROCLOR-1254 (UG/KG)	4.6 J	1800 D	1200 D	620	140	28 J	7.6 J	12 J	11000 DJ
AROCLOR-1260 (UG/KG)	4.2 J	550	670 D	430	79	21 J	7.6 J	10 J	3900 J
PCB, TOTAL(UG/KG)	8.8	4450	3270	1087	219	49	15.2	22	46900
TOTAL ORGANIC CARBON (%)				4			0.4 J		4.3

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL028	SL028	SL029	SL029	SL029	SL029	SL029	SL030	SL030
Sample Date	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	6/1/2001	6/1/2001	5/24/2001	5/24/2001
X-Coordinate	12774186.400	12774186.400	12774562.300	12774562.300	12774562.300	12774562.300	12774562.300	12774938.200	12774938.200
Y-Coordinate	350522.100	350522.100	350522.100	350522.100	350522.100	350522.100	350522.100	350522.100	350522.100
Start Depth	6	12	0	6	12	15	24	0	6
End Depth	12	25	6	12	15	24	36	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	630 U	59 U	610 U	58 UJ	62 UJ	60 U	55 U	46 U	44 U
AROCLOR-1221 (UG/KG)	630 U	59 U	610 U	58 UJ	62 UJ	60 U	55 U	46 U	44 U
AROCLOR-1232 (UG/KG)	630 U	59 U	610 U	58 UJ	62 UJ	60 U	55 U	46 U	44 U
AROCLOR-1242 (UG/KG)	18000 DJ	2000 D	26000 DJ	190 J	89 J	300 J	180	2500 DJ	260 D
AROCLOR-1248 (UG/KG)	630 U	59 U	610 U	58 UJ	62 UJ	60 U	55 U	46 U	44 U
AROCLOR-1254 (UG/KG)	13000 DJ	1600 D	9600 DJ	390 J	180 J	110 J	60 J	2000 DJ	680 D
AROCLOR-1260 (UG/KG)	5000 J	1200 D	3200 J	310 J	120 J	50 J	26 J	1200 DJ	260
PCB, TOTAL(UG/KG)	36000	4800	38800	890	389	460	266	5700	1200
TOTAL ORGANIC CARBON (%			5.9					2.6	2.7

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL030	SL030-DP	SL031	SL031	SL031	SL031	SL032	SL032	SL032
Sample Date	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	6/1/2001	5/31/2001	5/31/2001	5/31/2001
X-Coordinate	12774938.200	12774938.200	12775314.100	12775314.100	12775314.100	12775314.100	12776393.775	12776393.775	12776393.775
Y-Coordinate	350522.100	350522.100	350522.100	350522.100	350522.100	350522.100	350513.766	350513.766	350513.766
Start Depth	10	10	0	6	12	24	0	6	12
End Depth	26	26	6	12	24	36	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	46 U	630 U	500 UJ	44 UJ	43 U	73 U	84 U	72 U
AROCLOR-1221 (UG/KG)	48 U	46 U	630 U	500 UJ	44 UJ	43 U	73 U	84 U	72 U
AROCLOR-1232 (UG/KG)	48 U	46 U	630 U	500 UJ	44 UJ	43 U	73 U	84 U	72 U
AROCLOR-1242 (UG/KG)	48 U	280	920 DJ	56000 DJ	150 J	1900 DJ	73 U	84 U	72 U
AROCLOR-1248 (UG/KG)	48 U	46 U	630 U	500 UJ	44 UJ	43 U	73 U	84 U	72 U
AROCLOR-1254 (UG/KG)	320	250	4600 J	11000 DJ	41 J	330 J	480	200	72 U
AROCLOR-1260 (UG/KG)	130	100 J	2400 J	1600 J	44 UJ	110 J	250	100	72 U
PCB, TOTAL(UG/KG)	450	630	7920	68600	191	2340	730	300	72 U
TOTAL ORGANIC CARBON (%)	1.9				5.2				

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL032	SL033	SL033	SL033	SL033	SL033	SL034	SL034	SL034
Sample Date	5/31/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/22/2001	5/22/2001	5/22/2001
X-Coordinate	12776393.775	12772020.344	12772020.344	12772020.344	12772020.344	12772020.344	12772735.896	12772735.896	12772735.896
Y-Coordinate	350513.766	350888.339	350888.339	350888.339	350888.339	350888.339	350885.678	350885.678	350885.678
Start Depth	24	0	6	12	24	36	0	6	12
End Depth	36	6	12	18.5	36	48	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	86 U	650 UJ	64 U	76 U	78 U	86 U	61 U	63 U	66 U
AROCLOR-1221 (UG/KG)	86 U	650 UJ	64 U	76 U	78 U	86 U	61 U	63 U	66 U
AROCLOR-1232 (UG/KG)	86 U	650 UJ	64 U	76 U	78 U	86 U	61 U	63 U	66 U
AROCLOR-1242 (UG/KG)	86 U	39000 DJ	5000 D	95	440	290 J	16000 DJ	740 DJ	2700 DJ
AROCLOR-1248 (UG/KG)	86 U	650 UJ	64 U	76 U	78 U	86 U	61 U	63 U	66 U
AROCLOR-1254 (UG/KG)	43 J	5400 DJ	1300 D	76 U	210	240 J	8700 DJ	640	940 D
AROCLOR-1260 (UG/KG)	20 J	1300 J	250 J	76 U	63 J	76 J	3900 DJ	440	560
PCB, TOTAL(UG/KG)	63	45700	6550	95	713	606	28600	1820	4200
TOTAL ORGANIC CARBON (%)		3.5						5.6	

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL034	SL034	SL034	SL034-DP	SL035	SL035	SL036	SL036	SL036
Sample Date	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/22/2001	5/22/2001	5/23/2001	5/23/2001	5/23/2001
X-Coordinate	12772735.896	12772735.896	12772735.896	12772735.896	12773058.700	12773058.700	12774186.400	12774186.400	12774186.400
Y-Coordinate	350885.678	350885.678	350885.678	350885.678	350898.000	350898.000	350898.000	350898.000	350898.000
Start Depth	24	32	42	42	0	6	0	6	12
End Depth	32	42	52	52	6	12	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	67 UJ	64 U	71 U	70 U	58 U	58 U	36 U	37 U	35 U
AROCLOR-1221 (UG/KG)	67 UJ	64 U	71 U	70 U	58 U	58 U	36 U	37 U	35 U
AROCLOR-1232 (UG/KG)	67 UJ	64 U	71 U	70 U	58 U	58 U	36 U	37 U	35 U
AROCLOR-1242 (UG/KG)	5100 DJ	830 D	71 U	180	58 U	58 U	36 U	37 U	35 U
AROCLOR-1248 (UG/KG)	67 UJ	64 U	71 U	70 U	58 U	58 U	36 U	37 U	35 U
AROCLOR-1254 (UG/KG)	1100 J	280	71 U	57 J	58 U	58 U	36 U	37 U	35 U
AROCLOR-1260 (UG/KG)	590 J	110	71 U	26 J	210 J	27 J	36 U	37 U	35 U
PCB, TOTAL(UG/KG)	6790	1220	71 U	263	210	27	36 U	37 U	35 U
TOTAL ORGANIC CARBON (%	5.6	3.8	3.8						

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL036	SL037	SL037	SL037	SL037	SL038	SL038	SL038	SL038
Sample Date	5/23/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/29/2001	5/29/2001	5/29/2001	5/29/2001
X-Coordinate	12774186.400	12775314.100	12775314.100	12775314.100	12775314.100	12775690.000	12775690.000	12775690.000	12775690.000
Y-Coordinate	350898.000	350898.000	350898.000	350898.000	350898.000	350898.000	350898.000	350898.000	350898.000
Start Depth	24	0	6	12	24	0	6	12	24
End Depth	29	6	12	24	36	6	12	24	28
Chemical Name									
AROCLOR-1016 (UG/KG)	36 U	46 U	37 U	36 U	38 U	62 U	61 U	67 U	75 U
AROCLOR-1221 (UG/KG)	36 U	46 U	37 U	36 U	38 U	62 U	61 U	67 U	75 U
AROCLOR-1232 (UG/KG)	36 U	46 U	37 U	36 U	38 U	62 U	61 U	67 U	75 U
AROCLOR-1242 (UG/KG)	36 U	550 D	420 D	23 J	25 J	120	85 J	32 J	75 U
AROCLOR-1248 (UG/KG)	36 U	46 U	37 U	36 U	38 U	62 U	61 U	67 U	75 U
AROCLOR-1254 (UG/KG)	36 U	1500 D	950 D	66	27 J	170	130	49 J	75 U
AROCLOR-1260 (UG/KG)	36 U	270	200	54	16 J	130	88	31 J	75 U
PCB, TOTAL(UG/KG)	36 U	2320	1570	143	68	420	303	112	75 U
TOTAL ORGANIC CARBON (%		4.7 J				5.2			

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL039	SL039	SL039	SL040	SL040	SL040	SL040-DP	SL040	SL041
Sample Date	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/24/2001
X-Coordinate	12768283.761	12768283.761	12768283.761	12768958.513	12768958.513	12768958.513	12768958.513	12768958.513	12767660.458
Y-Coordinate	350416.411	350416.411	350416.411	350402.694	350402.694	350402.694	350402.694	350402.694	351228.460
Start Depth	0	6	12	0	6	12	12	24	0
End Depth	6	12	25	6	12	24	24	36	6
Chemical Name									
AROCLOR-1016 (UG/KG)	200 U	190 U	250 U	240 U	210 U	180 U	200 U	220 U	110 U
AROCLOR-1221 (UG/KG)	200 U	190 U	250 U	240 U	210 U	180 U	200 U	220 U	110 U
AROCLOR-1232 (UG/KG)	200 U	190 U	250 U	240 U	210 U	180 U	200 U	220 U	110 U
AROCLOR-1242 (UG/KG)	200 U	190 U	250 U	240 U	210 U	180 U	200 U	220 U	110 U
AROCLOR-1248 (UG/KG)	200 U	190 U	250 U	240 U	210 U	180 U	200 U	220 U	110 U
AROCLOR-1254 (UG/KG)	200 U	190 U	36 J	240 U	210 U	180 U	200 U	220 U	110 J
AROCLOR-1260 (UG/KG)	200 U	190 U	250 U	240 U	210 U	180 U	200 U	220 U	68 J
PCB, TOTAL(UG/KG)	200 U	190 U	36	240 U	210 U	180 U	200 U	220 U	178
TOTAL ORGANIC CARBON (%)		3.9 J			6.6	6.7		5.5	5.4

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL041	SL041	SL041	SL042	SL042	SL042	SL042	SL043	SL043
Sample Date	5/24/2001	5/24/2001	5/24/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001
X-Coordinate	12767660.458	12767660.458	12767660.458	12768319.558	12768319.558	12768319.558	12768319.558	12768956.000	12768956.000
Y-Coordinate	351228.460	351228.460	351228.460	351037.821	351037.821	351037.821	351037.821	351032.600	351032.600
Start Depth	6	12	24	0	6	12	24	0	6
End Depth	12	24	31	6	12	24	36	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	170 U	250 U	230 U	270 U	250 U	230 U	290 U	320 U	320 U
AROCLOR-1221 (UG/KG)	170 U	250 U	230 U	270 U	250 U	230 U	290 U	320 U	320 U
AROCLOR-1232 (UG/KG)	170 U	250 U	230 U	270 U	250 U	230 U	290 U	320 U	320 U
AROCLOR-1242 (UG/KG)	170 U	250 U	230 U	270 U	250 U	230 U	290 U	320 U	320 U
AROCLOR-1248 (UG/KG)	170 U	250 U	230 U	270 U	250 U	230 U	290 U	320 U	320 U
AROCLOR-1254 (UG/KG)	170 U	250 U	220 J	270 U	250 U	230 U	100 J	320 U	320 U
AROCLOR-1260 (UG/KG)	170 U	250 U	120 J	270 U	250 U	230 U	290 U	320 U	320 U
PCB, TOTAL(UG/KG)	170 U	250 U	340	270 U	250 U	230 U	100	320 U	320 U
TOTAL ORGANIC CARBON (%)	7.8	5.5	6.4	4.2	6.4 J	6.9 J	4.8 J		

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL043	SL043	SL043-DP	SL044	SL044	SL044	SL044	SL044	SL045
Sample Date	5/25/2001	5/25/2001	5/25/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001
X-Coordinate	12768956.000	12768956.000	12768956.000	12769596.862	12769596.862	12769596.862	12769596.862	12769596.862	12770237.070
Y-Coordinate	351032.600	351032.600	351032.600	351032.255	351032.255	351032.255	351032.255	351032.255	351026.289
Start Depth	12	24	24	0	6	12	24	36	0
End Depth	24	30	30	6	12	24	36	39	6
Chemical Name									
AROCLOR-1016 (UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
AROCLOR-1221 (UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
AROCLOR-1232 (UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
AROCLOR-1242 (UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
AROCLOR-1248 (UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
AROCLOR-1254 (UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
AROCLOR-1260 (UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
PCB, TOTAL(UG/KG)	210 U	66 U		76 U	160 UJ	250 UJ	330 UJ	300 UJ	45 UJ
TOTAL ORGANIC CARBON (%)		2.9	3.2	3.8	0.4 J	5.8	5.4		

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "UJ" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL046	SL046	SL048	SL048	SL049	SL049	SL049	SL049-DP	SL049
Sample Date	6/4/2001	6/4/2001	5/22/2001	5/22/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001	5/25/2001
X-Coordinate	12770864.666	12770864.666	12772839.055	12772839.055	12767034.200	12767034.200	12767034.200	12767034.200	12767034.200
Y-Coordinate	351068.426	351068.426	351041.492	351041.492	351673.200	351673.200	351673.200	351673.200	351673.200
Start Depth	30	36	0	6	0	6	12	12	24
End Depth	36	48	6	12	6	12	24	24	28
Chemical Name									
AROCLOR-1016 (UG/KG)	43 U	42 U	37 U	37 U	62 U	48 U	45 U	48 U	180 U
AROCLOR-1221 (UG/KG)	43 U	42 U	37 U	37 U	62 U	48 U	45 U	48 U	180 U
AROCLOR-1232 (UG/KG)	43 U	42 U	37 U	37 U	62 U	48 U	45 U	48 U	180 U
AROCLOR-1242 (UG/KG)	25 J	42 U	37 U	37 U	62 U	48 U	45 U	48 U	180 U
AROCLOR-1248 (UG/KG)	43 U	42 U	37 U	37 U	62 U	48 U	45 U	48 U	180 U
AROCLOR-1254 (UG/KG)	6.1 J	42 U	3.4 J	37 U	62 U	48 U	45 U	48 U	180 U
AROCLOR-1260 (UG/KG)	43 U	42 U	37 U	37 U	9 J	48 U	45 U	48 U	180 U
PCB, TOTAL(UG/KG)	31.1	42 U	3.4	37 U	9	48 U	45 U	48 U	180 U
TOTAL ORGANIC CARBON (%					3 J		0.9 J		6.6 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL045-DP	SL045	SL045	SL045	SL046	SL046	SL046	SL046-DP	SL046
Sample Date	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001
X-Coordinate	12770237.070	12770237.070	12770237.070	12770237.070	12770864.666	12770864.666	12770864.666	12770864.666	12770864.666
Y-Coordinate	351026.289	351026.289	351026.289	351026.289	351068.426	351068.426	351068.426	351068.426	351068.426
Start Depth	0	6	12	24	0	6	12	12	24
End Depth	6	12	24	38	6	12	24	24	30
Chemical Name									
AROCLOR-1016 (UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
AROCLOR-1221 (UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
AROCLOR-1232 (UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
AROCLOR-1242 (UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
AROCLOR-1248 (UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
AROCLOR-1254 (UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
AROCLOR-1260 (UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
PCB, TOTAL(UG/KG)	42 UJ	58 UJ	67 UJ	180 UJ	45 UJ	42 UJ	42 UJ	43 UJ	44 UJ
TOTAL ORGANIC CARBON (%			4.8	4.6	1.1				

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "UJ" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL052	SL052	SL052	SL052	SL052	SL053	SL053	SL053	SL053
Sample Date	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001
X-Coordinate	12769595.747	12769595.747	12769595.747	12769595.747	12769595.747	12770238.229	12770238.229	12770238.229	12770238.229
Y-Coordinate	351676.077	351676.077	351676.077	351676.077	351676.077	351671.513	351671.513	351671.513	351671.513
Start Depth	0	6	12	24	36	0	6	12	24
End Depth	6	12	24	36	40	6	12	24	29
Chemical Name									
AROCLOR-1016 (UG/KG)	180 UJ	170 UJ	130 UJ	57 UJ	45 UJ	54 UJ	55 UJ	240 UJ	210 UJ
AROCLOR-1221 (UG/KG)	180 UJ	170 UJ	130 UJ	57 UJ	45 UJ	54 UJ	55 UJ	240 UJ	210 UJ
AROCLOR-1232 (UG/KG)	180 UJ	170 UJ	130 UJ	57 UJ	45 UJ	54 UJ	55 UJ	240 UJ	210 UJ
AROCLOR-1242 (UG/KG)	1000 J	1400 J		57 UJ	45 UJ	15 J	38 J	240 UJ	210 UJ
AROCLOR-1248 (UG/KG)	180 UJ	170 UJ	130 UJ	57 UJ	45 UJ	54 UJ	55 UJ	240 UJ	210 UJ
AROCLOR-1254 (UG/KG)	1300 J	1700 J	1400 J	57 UJ	45 UJ	54 UJ	27 J	240 UJ	210 UJ
AROCLOR-1260 (UG/KG)	660 J	870 J	630 J	57 UJ	45 UJ	54 UJ	18 J	240 UJ	210 UJ
PCB, TOTAL(UG/KG)	2960	3970	2030	57 UJ	45 UJ	15	83	240 UJ	210 UJ
TOTAL ORGANIC CARBON (%						1.7	3.4	3.8	6.5

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL050	SL050	SL050	SL050	SL051	SL051	SL051	SL051	SL051
Sample Date	5/25/2001	5/25/2001	5/25/2001	6/4/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001	5/24/2001
X-Coordinate	12767678.146	12767678.146	12767678.146	12767678.146	12768315.400	12768315.400	12768315.400	12768315.400	12768315.400
Y-Coordinate	351688.747	351688.747	351688.747	351688.747	351673.200	351673.200	351673.200	351673.200	351673.200
Start Depth	0	6	12	24	0	6	12	24	36
End Depth	6	12	24	36	6	12	24	36	39
Chemical Name									
AROCLOR-1016 (UG/KG)	120 U	170 U	180 U	230 U	150 UJ	220 U	210 UJ	220 UJ	88 U
AROCLOR-1221 (UG/KG)	120 U	170 U	180 U	230 U	150 UJ	220 U	210 UJ	220 UJ	88 U
AROCLOR-1232 (UG/KG)	120 U	170 U	180 U	230 U	150 UJ	220 U	210 UJ	220 UJ	88 U
AROCLOR-1242 (UG/KG)	120 U	170 U	180 U	230 U	510 J	130 J	43 J	560 J	88 U
AROCLOR-1248 (UG/KG)	120 U	170 U	180 U	230 U	150 UJ	220 U	210 UJ	220 UJ	88 U
AROCLOR-1254 (UG/KG)	50 J	170 U	180 U	230 U	460 J	130 J	23 J	120 J	13 J
AROCLOR-1260 (UG/KG)	23 J	170 U	180 U	230 U	250 J	110 J	210 UJ	220 UJ	88 U
PCB, TOTAL(UG/KG)	73	170 U	180 U	230 U	1220	370	66	680	13
TOTAL ORGANIC CARBON (%	4.7 J		6.7		3.3	3.9	5.1	5.1	3 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "UJ" flag.

J= Result is an estimated value.
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D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL055	SL055	SL056	SL056	SL056	SL056	SL056	SL057	SL057
Sample Date	5/23/2001	5/23/2001	5/22/2001	5/22/2001	5/22/2001	6/1/2001	6/1/2001	5/22/2001	5/22/2001
X-Coordinate	12771518.626	12771518.626	12772799.600	12772799.600	12772799.600	12772799.600	12772799.600	12773294.400	12773294.400
Y-Coordinate	351671.341	351671.341	351673.200	351673.200	351673.200	351673.200	351673.200	351677.302	351677.302
Start Depth	12	24	0	6	12	18	24	0	6
End Depth	24	31	6	12	17	24	36	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	1100 U	52 UJ	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
AROCLOR-1221 (UG/KG)	1100 U	52 UJ	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
AROCLOR-1232 (UG/KG)	1100 U	52 UJ	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
AROCLOR-1242 (UG/KG)	41000 D	73 J	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
AROCLOR-1248 (UG/KG)	1100 U	52 UJ	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
AROCLOR-1254 (UG/KG)	5700	25 J	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
AROCLOR-1260 (UG/KG)	2100	52 UJ	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
PCB, TOTAL(UG/KG)	48800	98	37 U	37 U	37 U	36 U	36 U	42 U	39 UJ
TOTAL ORGANIC CARBON (%	5.6	1.2		0.5 J				0.7 J	0.6 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053	SL053	SL054	SL054	SL054	SL054	SL054	SL055	SL055
Sample Date	6/4/2001	6/4/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001	5/23/2001
X-Coordinate	12770238.229	12770238.229	12770877.800	12770877.800	12770877.800	12770877.800	12770877.800	12771518.626	12771518.626
Y-Coordinate	351671.513	351671.513	351673.200	351673.200	351673.200	351673.200	351673.200	351671.341	351671.341
Start Depth	30	36	0	6	12	24	36	0	6
End Depth	36	48	6	12	24	36	41	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	84 U	700 U
AROCLOR-1221 (UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	84 U	700 U
AROCLOR-1232 (UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	84 U	700 U
AROCLOR-1242 (UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	8900 DJ	52000 D
AROCLOR-1248 (UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	84 U	700 U
AROCLOR-1254 (UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	3900 D	6700
AROCLOR-1260 (UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	1800 D	2000 J
PCB, TOTAL(UG/KG)	220 U	220 U	71 UJ	71 U	320 U	230 U	250 U	14600	60700
TOTAL ORGANIC CARBON (%			2.7	2.5	4.1	5.1	4.7	4.3	3.2

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL059	SL059	SL059	SL059	SL060	SL060	SL060	SL060-DP	SL060
Sample Date	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12767674.800	12767674.800	12767674.800	12767674.800	12770877.800	12770877.800	12770877.800	12770877.800	12770877.800
Y-Coordinate	352313.800	352313.800	352313.800	352313.800	352313.800	352313.800	352313.800	352313.800	352313.800
Start Depth	6	12	12	24	0	6	12	12	25
End Depth	12	19	24	36	6	12	25	25	38
Chemical Name									
AROCLOR-1016 (UG/KG)	36 U	31 U	34 U	37 U	160 U	180 U	150 U		46 U
AROCLOR-1221 (UG/KG)	36 U	31 U	34 U	37 U	160 U	180 U	150 U		46 U
AROCLOR-1232 (UG/KG)	36 U	31 U	34 U	37 U	160 U	180 U	150 U		46 U
AROCLOR-1242 (UG/KG)	36 U	31 U	34 U	37 U	5500 D	8200 D	330		18 J
AROCLOR-1248 (UG/KG)	36 U	31 U	34 U	37 U	160 U	180 U	150 U		46 U
AROCLOR-1254 (UG/KG)	36 U	31 U	34 U	37 U	3200 D	1800	160		13 J
AROCLOR-1260 (UG/KG)	36 U	31 U	34 U	37 U	970	580 J	54 J		46 U
PCB, TOTAL(UG/KG)	36 U	31 U	34 U	37 U	9670	10580	544		31
TOTAL ORGANIC CARBON (%					3.6	3.1	3.4	3.8	0.7 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL057	SL057	SL058	SL058	SL058	SL058	SL058-DP	SL058	SL059
Sample Date	5/22/2001	5/22/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001
X-Coordinate	12773294.400	12773294.400	12766957.135	12766957.135	12766957.135	12766957.135	12766957.135	12766957.135	12767674.800
Y-Coordinate	351677.302	351677.302	352540.208	352540.208	352540.208	352540.208	352540.208	352540.208	352313.800
Start Depth	12	24	0	6	12	16	16	29	0
End Depth	24	36	6	12	16	29	29	36	6
Chemical Name									
AROCLOR-1016 (UG/KG)	38 U	38 U	110 U	100 U	110 U	90 U	98 U	170 U	38 U
AROCLOR-1221 (UG/KG)	38 U	38 U	110 U	100 U	110 U	90 U	98 U	170 U	38 U
AROCLOR-1232 (UG/KG)	38 U	38 U	110 U	100 U	110 U	90 U	98 U	170 U	38 U
AROCLOR-1242 (UG/KG)	38 U	38 U	3700 DJ	26000 D	2600 D	90 U	98 U	170 U	38 U
AROCLOR-1248 (UG/KG)	38 U	38 U	110 U	100 U	110 U	90 U	98 U	170 U	38 U
AROCLOR-1254 (UG/KG)	38 U	38 U	3200 DJ	8100 D	520	90 U	98 U	170 U	38 U
AROCLOR-1260 (UG/KG)	38 U	38 U	640	2900 D	250	20 J	46 J	170 U	38 U
PCB, TOTAL(UG/KG)	38 U	38 U	7540	37000	3370	20	46	170 U	38 U
TOTAL ORGANIC CARBON (%	0.4 J	0.6 J	3.9	3.6	4.1	3.6	3.2	5.8	

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL060-DP	SL061	SL061	SL061	SL061-DP	SL061	SL062	SL062	SL062
Sample Date	6/7/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	5/22/2001	5/22/2001	5/22/2001
X-Coordinate	12770877.800	12771517.558	12771517.558	12771517.558	12771517.558	12771517.558	12772805.226	12772805.226	12772805.226
Y-Coordinate	352313.800	352313.171	352313.171	352313.171	352313.171	352313.171	352171.627	352171.627	352171.627
Start Depth	25	0	6	12	12	24	0	6	12
End Depth	38	6	12	24	24	30	6	12	23
Chemical Name									
AROCLOR-1016 (UG/KG)	45 U	130 U	130 U	46 U	43 U	45 U	46 U	41 U	39 U
AROCLOR-1221 (UG/KG)	45 U	130 U	130 U	46 U	43 U	45 U	46 U	41 U	39 U
AROCLOR-1232 (UG/KG)	45 U	130 U	130 U	46 U	43 U	45 U	46 U	41 U	39 U
AROCLOR-1242 (UG/KG)	45 U	4500 DJ	420 J	46 U	43 U	45 U	46 U	41 U	39 U
AROCLOR-1248 (UG/KG)	45 U	130 U	130 U	46 U	43 U	45 U	46 U	41 U	39 U
AROCLOR-1254 (UG/KG)	45 U	3000 D	330	46 U	43 U	3.5 J	3.8 J	41 U	39 U
AROCLOR-1260 (UG/KG)	45 U	800	200	46 U	43 U	45 U	46 U	41 U	39 U
PCB, TOTAL(UG/KG)	45 U	8300	950	46 U	43 U	3.5	3.8	41 U	39 U
TOTAL ORGANIC CARBON (%)							1.8	0.5 J	0.2 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL062-DP	SL063	SL064	SL064	SL064	SL064	SL064-DP	SL064	SL065
Sample Date	5/22/2001	5/22/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/7/2001
X-Coordinate	12772805.226	12773118.695	12768315.400	12768315.400	12768315.400	12768315.400	12768315.400	12768315.400	12768956.181
Y-Coordinate	352171.627	352189.005	352954.400	352954.400	352954.400	352954.400	352954.400	352954.400	352970.836
Start Depth	12	0	0	5	12	25	25	36	0
End Depth	23	6	5	12	25	36	36	40	6
Chemical Name									
AROCLOR-1016 (UG/KG)	39 U	40 U	51 U	38 U	42 U	44 U	55 U	40 U	44 U
AROCLOR-1221 (UG/KG)	39 U	40 U	51 U	38 U	42 U	44 U	55 U	40 U	44 U
AROCLOR-1232 (UG/KG)	39 U	40 U	51 U	38 U	42 U	44 U	55 U	40 U	44 U
AROCLOR-1242 (UG/KG)	39 U	8.8 J	51 U	38 U	42 U	35 J	55 U	40 U	44 U
AROCLOR-1248 (UG/KG)	39 U	40 U	51 U	38 U	42 U	44 U	55 U	40 U	44 U
AROCLOR-1254 (UG/KG)	39 U	5.6 J	51 U	38 U	42 U	49	55 U	40 U	44 U
AROCLOR-1260 (UG/KG)	39 U	40 U	51 U	38 U	42 U	44 U	55 U	40 U	44 U
PCB, TOTAL(UG/KG)	39 U	14.4	51 U	38 U	42 U	84	55 U	40 U	44 U
TOTAL ORGANIC CARBON (%)	0.3 J		4.4		1.4	3.1		3.9	3.2

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL065	SL065	SL065	SL065	SL066	SL066	SL066	SL066	SL067
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	5/22/2001
X-Coordinate	12768956.181	12768956.181	12768956.181	12768956.181	12769596.600	12769596.600	12769596.600	12769596.600	12772919.707
Y-Coordinate	352970.836	352970.836	352970.836	352970.836	352954.400	352954.400	352954.400	352954.400	352944.458
Start Depth	6	12	17	24	0	5	12	24	0
End Depth	12	17	24	34	5	12	24	38	6
Chemical Name									
AROCLOR-1016 (UG/KG)	47 U	77 U	42 U	39 U	85 U	39 U	34 U	40 U	56 U
AROCLOR-1221 (UG/KG)	47 U	77 U	42 U	39 U	85 U	39 U	34 U	40 U	56 U
AROCLOR-1232 (UG/KG)	47 U	77 U	42 U	39 U	85 U	39 U	34 U	40 U	56 U
AROCLOR-1242 (UG/KG)	47 U	77 U	42 U	39 U	3800 DJ	50	34 U	40 U	39 J
AROCLOR-1248 (UG/KG)	47 U	77 U	42 U	39 U	85 U	39 U	34 U	40 U	56 U
AROCLOR-1254 (UG/KG)	47 U	77 U	42 U	39 U	2200 DJ	35 J	34 U	40 U	29 J
AROCLOR-1260 (UG/KG)	47 U	77 U	42 U	39 U	420	24 J	34 U	40 U	18 J
PCB, TOTAL(UG/KG)	47 U	77 U	42 U	39 U	6420	109	34 U	40 U	86
TOTAL ORGANIC CARBON (%)	1.5	3.4	0.3 J	0.3 J	3.8				

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL067	SL067	SL067	SL068	SL068	SL068	SL068	SL069	SL069
Sample Date	5/22/2001	5/22/2001	6/1/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001
X-Coordinate	12772919.707	12772919.707	12772919.707	12767042.261	12767042.261	12767042.261	12767042.261	12767666.665	12767666.665
Y-Coordinate	352944.458	352944.458	352944.458	353423.641	353423.641	353423.641	353423.641	353031.313	353031.313
Start Depth	6	12	18	0	6	12	22	0	6
End Depth	12	17	24	6	12	22	36	6	9
Chemical Name									
AROCLOR-1016 (UG/KG)	52 U	79 U	48 U	53 U	34 U	31 U	37 U	48 U	47 U
AROCLOR-1221 (UG/KG)	52 U	79 U	48 U	53 U	34 U	31 U	37 U	48 U	47 U
AROCLOR-1232 (UG/KG)	52 U	79 U	48 U	53 U	34 U	31 U	37 U	48 U	47 U
AROCLOR-1242 (UG/KG)	52 U	79 U	48 U	200	34 U	31 U	37 U	13 J	47 U
AROCLOR-1248 (UG/KG)	52 U	79 U	48 U	53 U	34 U	31 U	37 U	48 U	47 U
AROCLOR-1254 (UG/KG)	52 U	79 U	48 U	150	34 U	31 U	37 U	10 J	47 U
AROCLOR-1260 (UG/KG)	52 U	79 U	48 U	61	34 U	31 U	37 U	48 U	47 U
PCB, TOTAL(UG/KG)	52 U	79 U	48 U	411	34 U	31 U	37 U	23	47 U
TOTAL ORGANIC CARBON (%	3.7			6.1 J					

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL071-DP	SL072	SL072	SL072	SL072-DP
Sample Date	6/5/2001	5/22/2001	5/22/2001	5/22/2001	5/22/2001
X-Coordinate	12771490.406	12772714.429	12772714.429	12772714.429	12772714.429
Y-Coordinate	353744.888	353588.425	353588.425	353588.425	353588.425
Start Depth	24	0	6	12	12
End Depth	30	6	12	24	24
Chemical Name					
AROCLOR-1016 (UG/KG)	73 U	85 U	70 U	81 U	78 U
AROCLOR-1221 (UG/KG)	73 U	85 U	70 U	81 U	78 U
AROCLOR-1232 (UG/KG)	73 U	85 U	70 U	81 U	78 U
AROCLOR-1242 (UG/KG)	73 U	3800 D	2000 D	200	160 J
AROCLOR-1248 (UG/KG)	73 U	85 U	70 U	81 U	78 U
AROCLOR-1254 (UG/KG)	73 U	3000 D	2000 D	270	210
AROCLOR-1260 (UG/KG)	73 U	1600 D	1500 D	260	200
PCB, TOTAL(UG/KG)	73 U	8400	5500	730	570
TOTAL ORGANIC CARBON (%					

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-2

Phase I Soil PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL069	SL069	SL069	SL069-DP	SL069	SL071	SL071	SL071	SL071
Sample Date	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/6/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001
X-Coordinate	12767666.665	12767666.665	12767666.665	12767666.665	12767666.665	12771490.406	12771490.406	12771490.406	12771490.406
Y-Coordinate	353031.313	353031.313	353031.313	353031.313	353031.313	353744.888	353744.888	353744.888	353744.888
Start Depth	9	12	24	24	36	0	6	12	24
End Depth	12	24	36	36	40	6	12	24	30
Chemical Name									
AROCLOR-1016 (UG/KG)	84 U	110 U	52 U	46 U	51 U	88 U	85 U	72 U	57 U
AROCLOR-1221 (UG/KG)	84 U	110 U	52 U	46 U	51 U	88 U	85 U	72 U	57 U
AROCLOR-1232 (UG/KG)	84 U	110 U	52 U	46 U	51 U	88 U	85 U	72 U	57 U
AROCLOR-1242 (UG/KG)	84 U	110 U	290 J	260 J	290 J	18000 DJ	240 J	72 U	57 U
AROCLOR-1248 (UG/KG)	84 U	110 U	52 U	46 U	51 U	88 U	85 U	72 U	57 U
AROCLOR-1254 (UG/KG)	84 U	110 U	170 J	46 U	51 U	4900 DJ	160 J	44 J	57 U
AROCLOR-1260 (UG/KG)	84 U	110 U	52 U	46 U	51 U	1900 DJ	140 J	72 U	57 U
PCB, TOTAL(UG/KG)	84 U	110 U	460	260	290	24800	540	44	57 U
TOTAL ORGANIC CARBON (%							4.3		

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD016	SD016-DP	SD016	SD018	SD018	SD018	SD018-DP	SD022	SD022
Sample Date	6/8/2001	6/8/2001	6/8/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001
X-Coordinate	12776319.000	12776319.000	12776319.000	12777178.000	12777178.000	12777178.000	12777178.000	12778988.650	12778988.650
Y-Coordinate	349851.000	349851.000	349851.000	348757.000	348757.000	348757.000	348757.000	346969.890	346969.890
Start Depth	0	0	6	0	6	12	12	0	6
End Depth	6	6	12	6	12	17	17	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	44 U	44 U	38 U	42 U	42 U	50 U	50 U	44 U	48 U
AROCLOR-1221 (UG/KG)	44 U	44 U	38 U	42 U	42 U	50 U	50 U	44 U	48 U
AROCLOR-1232 (UG/KG)	44 U	44 U	38 U	42 U	42 U	50 U	50 U	44 U	48 U
AROCLOR-1242 (UG/KG)	5000 D	3100 D	250 J	800 D	710 D	3600 D	3700 D	67	250 J
AROCLOR-1248 (UG/KG)	44 U	44 U	38 U	42 U	42 U	50 U	50 U	44 U	48 U
AROCLOR-1254 (UG/KG)	1800 D	1200 DJ	140	290	240	2000 D	1200 D	63	240 J
AROCLOR-1260 (UG/KG)	590 DJ	400 DJ	56	91	80	430	290	29 J	48 U
PCB, TOTAL(UG/KG)	7390	4700	446	1181	1030	6030	5190	159	490
TOTAL ORGANIC CARBON (%)				1.6				0.9 J	1.4

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD007	SD008	SD008	SD008	SD008-DP	SD008	SD009	SD009	SD009
Sample Date	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001
X-Coordinate	12774143.218	12774124.817	12774124.817	12774124.817	12774124.817	12774124.817	12774043.732	12774043.732	12774043.732
Y-Coordinate	350559.070	350606.390	350606.390	350606.390	350606.390	350606.390	350645.868	350645.868	350645.868
Start Depth	24	0	6	12	12	24	0	6	12
End Depth	34	6	12	24	24	32	6	12	16
Chemical Name									
AROCLOR-1016 (UG/KG)	72 UJ	37 U	40 U	70 U	70 U	64 U	81 UJ	61 UJ	53 U
AROCLOR-1221 (UG/KG)	72 UJ	37 U	40 U	70 U	70 U	64 U	81 UJ	61 UJ	53 U
AROCLOR-1232 (UG/KG)	72 UJ	37 U	40 U	70 U	70 U	64 U	81 UJ	61 UJ	53 U
AROCLOR-1242 (UG/KG)	72 UJ	67	37 J	70 U	70 U	64 U	81 UJ	61 UJ	53 U
AROCLOR-1248 (UG/KG)	72 UJ	37 U	40 U	70 U	70 U	64 U	81 UJ	61 UJ	53 U
AROCLOR-1254 (UG/KG)	72 UJ	22 J	11 J	70 U	70 U	64 U	81 UJ	61 UJ	53 U
AROCLOR-1260 (UG/KG)	72 UJ	13 J	40 U	70 U	70 U	64 U	81 UJ	61 UJ	53 U
PCB, TOTAL(UG/KG)	72 UJ	102	48	70 U	70 U	64 U	81 UJ	61 UJ	53 U
TOTAL ORGANIC CARBON (%)				3.6 J	3.5 J		3 J		

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD005-DP	SD006	SD006	SD006	SD006	SD007	SD007	SD007-DP	SD007
Sample Date	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001
X-Coordinate	12772982.149	12772981.852	12772981.852	12772981.852	12772981.852	12774143.218	12774143.218	12774143.218	12774143.218
Y-Coordinate	349903.287	349969.781	349969.781	349969.781	349969.781	350559.070	350559.070	350559.070	350559.070
Start Depth	31	0	6	18	24	0	4	4	12
End Depth	43	6	18	24	36	4	12	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	69 U	50 U	39 U	68 U	73 U	44 UJ	36 UJ	66 UJ	77 UJ
AROCLOR-1221 (UG/KG)	69 U	50 U	39 U	68 U	73 U	44 UJ	36 UJ	66 UJ	77 UJ
AROCLOR-1232 (UG/KG)	69 U	50 U	39 U	68 U	73 U	44 UJ	36 UJ	66 UJ	77 UJ
AROCLOR-1242 (UG/KG)	69 U	50 U	39 U	68 U	73 U	2400 JD	36 UJ	66 UJ	77 UJ
AROCLOR-1248 (UG/KG)	69 U	50 U	39 U	68 U	73 U	44 UJ	36 UJ	66 UJ	77 UJ
AROCLOR-1254 (UG/KG)	69 U	50 U	39 U	68 U	73 U	1200 JD	36 UJ	66 UJ	77 UJ
AROCLOR-1260 (UG/KG)	69 U	50 U	39 U	68 U	73 U	260 J	4.7 J	6 J	77 UJ
PCB, TOTAL(UG/KG)	69 U	50 U	39 U	68 U	73 U	3860	4.7	6	77 UJ
TOTAL ORGANIC CARBON (%		3 J	0.7 J	3 J	4.1 J	1.5 J			

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004	SD004-DP	SD004	SD004	SD005	SD005	SD005-DP	SD005	SD005
Sample Date	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001	5/30/2001
X-Coordinate	12772981.047	12772981.047	12772981.047	12772981.047	12772982.149	12772982.149	12772982.149	12772982.149	12772982.149
Y-Coordinate	349855.150	349855.150	349855.150	349855.150	349903.287	349903.287	349903.287	349903.287	349903.287
Start Depth	12	12	24	36	0	6	6	12	31
End Depth	24	24	36	39	6	12	12	24	43
Chemical Name									
AROCLOR-1016 (UG/KG)	65 UJ	71 UJ	71 UJ	77 U	34 U	76 U	72 U	54 U	70 U
AROCLOR-1221 (UG/KG)	65 UJ	71 UJ	71 UJ	77 U	34 U	76 U	72 U	54 U	70 U
AROCLOR-1232 (UG/KG)	65 UJ	71 UJ	71 UJ	77 U	34 U	76 U	72 U	54 U	70 U
AROCLOR-1242 (UG/KG)	320 J	71 UJ	71 UJ	77 U	35 J	76 U	72 U	54 U	70 U
AROCLOR-1248 (UG/KG)	65 UJ	71 UJ	71 UJ	77 U	34 U	76 U	72 U	54 U	70 U
AROCLOR-1254 (UG/KG)	130 J	71 UJ	71 UJ	77 U	13 J	76 U	72 U	54 U	70 U
AROCLOR-1260 (UG/KG)	39 J	71 UJ	71 UJ	77 U	4.5 J	76 U	72 U	54 U	70 U
PCB, TOTAL(UG/KG)	489	71 UJ	71 UJ	77 U	52.5	76 U	72 U	54 U	70 U
TOTAL ORGANIC CARBON (%)	2.3 J		3.2 J	3.1 J	6.5 J	3 J			3.5 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD002-DP	SD002	SD002	SD003	SD003	SD003	SD003	SD004	SD004
Sample Date	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/30/2001	5/30/2001
X-Coordinate	12772181.383	12772181.383	12772181.383	12772315.494	12772315.494	12772315.494	12772315.494	12772981.047	12772981.047
Y-Coordinate	350871.306	350871.306	350871.306	350903.641	350903.641	350903.641	350903.641	349855.150	349855.150
Start Depth	6	12	24	0	6	12	25	0	6
End Depth	12	24	36	6	12	25	28	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
AROCLOR-1221 (UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
AROCLOR-1232 (UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
AROCLOR-1242 (UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
AROCLOR-1248 (UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
AROCLOR-1254 (UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
AROCLOR-1260 (UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
PCB, TOTAL(UG/KG)	69 UJ	70 UJ	73 UJ	64 UJ	77 UJ	69 UJ	42 UJ	54 UJ	76 UJ
TOTAL ORGANIC CARBON (%)		3.1 J	3 J	2.7 J	3 J	3.1 J	0.8 J	3.5 J	3.9 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD001	SD001	SD001	SD001	SD001-DP	SD001	SD001	SD002	SD002
Sample Date	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001	5/31/2001
X-Coordinate	12772080.201	12772080.201	12772080.201	12772080.201	12772080.201	12772080.201	12772080.201	12772181.383	12772181.383
Y-Coordinate	350900.501	350900.501	350900.501	350900.501	350900.501	350900.501	350900.501	350871.306	350871.306
Start Depth	0	6	12	24	24	36	48	0	6
End Depth	6	12	24	36	36	48	56	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	80 U	86 U	110 U	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
AROCLOR-1221 (UG/KG)	80 U	86 U	110 U	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
AROCLOR-1232 (UG/KG)	80 U	86 U	110 U	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
AROCLOR-1242 (UG/KG)	630 J	93 J	69 J	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
AROCLOR-1248 (UG/KG)	80 U	86 U	110 U	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
AROCLOR-1254 (UG/KG)	340 J	63 J	54 J	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
AROCLOR-1260 (UG/KG)	160 J	63 J	53 J	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
PCB, TOTAL(UG/KG)	1130	219	176	94 UJ	89 UJ	82 UJ	83 UJ	78 UJ	68 UJ
TOTAL ORGANIC CARBON (%)	5.2 J	3.7 J	4 J	3.3 J		3 J	2.6 J	2.5 J	2.8 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted
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Table 5-3

Phase I Soil Dioxin-Furan Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL005	SL009	SL033	SL055	SL058	SL060	SL065
Sample Date	5/24/2001	5/24/2001	5/23/2001	5/23/2001	6/6/2001	6/7/2001	6/7/2001
X-Coordinate	12776453.902	12774160.336	12772020.344	12771518.626	12766957.135	12770877.800	12768956.181
Y-Coordinate	349518.452	349984.316	350888.339	351671.341	352540.208	352313.800	352970.836
Start Depth	0	24	12	6	0	0	0
End Depth	29	32	24	12	36	38	34
Chemical Name							
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (NG/KG)	6626 J	7.205 J	1563 J	919.3 J	2780 J	1294 J	30.04
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (NG/KG)	873.6 J	0.77 J	200.9 J	39.74 J	482.9 J	233.8 J	14.32
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (NG/KG)	62.27 J	0.42 UJ	5.167 UJ	2.555 J	20.09 J	9.782	6.739 U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	24.4 J	0.487 UJ	8.094 UJ	1.729 J	24.07 J	7.776	9.234 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	50.57 J	0.375 UJ	5.619 UJ	1.271 J	26.86 J	13.86	5.255 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	153.8 J	0.424 UJ	45.06 J	14.45 J	113.1 J	39.22	8.035 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	92.75 J	0.36 UJ	44.17 J	6.057 J	54.83 J	26.56	5.047 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	62.63 J	0.432 UJ	7.18 UJ	3.368 J	56.48 J	19.4	8.192 U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (NG/KG)	11.17 J	0.503 UJ	7.529 UJ	0.244 UJ	4.202 U	4.347 U	7.041 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (NG/KG)	5.231 UJ	0.367 UJ	5.418 UJ	0.871 UJ	9.222 U	2.208 UJ	7.829 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN (NG/KG)	11.92 J	1.52 J	16.26 J	0.757 J	12.31 J	8.657 J	6.343 UJ
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	9.612 J	0.402 UJ	6.023 UJ	0.428 J	7.061 J	3.477 U	5.633 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN (NG/KG)	15.67 J	1.023 J	3.75 UJ	1.13 J	9.964 R	7.18	6.086 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (NG/KG)	481.6 R	0.186 UJ	148.9 R	6.361 R	31.63 R	15.91	7.496 U
2,3,7,8-TETRACHLORODIBENZOFURAN (NG/KG)	149.6 J	2.682 R	101.4 J	18.68 J	64.61 R	49.13 J	6.712 UJ
OCTACHLORODIBENZO-P-DIOXIN (NG/KG)	58110 J	478.3 J	16000 J	10170 J	23680 J	9296 J	244.4
OCTACHLORODIBENZOFURAN (NG/KG)	1948 J	0.551 UJ	407.4 J	158.2 J	493 J	278.6	47.65
TOTAL HPCDD (NG/KG)	12010	14.07	3023	919.3	5041	2200	30.04
TOTAL HPCDF (NG/KG)	3264	0.77	200.9	203.1	1348	574	14.32
TOTAL HXCDD (NG/KG)	800.8	0.424 U	238.8	63.64	729.1	203.1	8.035 U
TOTAL HXCDF (NG/KG)	1039	0.36 U	246	47.34	479.6	232.2	5.047 U
TOTAL PECDD (NG/KG)	17.79	0.367 U	5.418 U	0.871 U	9.222 U	2.208 U	7.829 U
TOTAL PECDF (NG/KG)	279.7	2.543	81.08	5.134	12.31	86.86	6.086 U
TOTAL TCDD (NG/KG)	228.5	0.674	23.11	0.332 U	12.82	47.94	7.496 U
TOTAL TCDF (NG/KG)	334.4	2.336	175.5	32.84	105.6	83.9	6.712 U
TOTAL TEQ (NG/KG)	204.9	1.83	61.24	25.49	91.4	64.37	0.7357

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.
Those compounds with concentrations flagged U or R are not included in the Total TEQ calculation for that sample.
J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
R= Result is rejected.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD022	SD022-DP	SD022	SD022	SD023	SD023	SD023	SD024	SD024
Sample Date	6/1/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001	6/1/2001
X-Coordinate	12778988.650	12778988.650	12778988.650	12778988.650	12779000.148	12779000.148	12779000.148	12779056.179	12779056.179
Y-Coordinate	346969.890	346969.890	346969.890	346969.890	347178.141	347178.141	347178.141	347299.703	347299.703
Start Depth	12	12	24	32	0	6	12	0	4
End Depth	24	24	32	44	6	12	20	4	8
Chemical Name									
AROCLOR-1016 (UG/KG)	970 U	860 U	48 U	49 U	40 UJ	37 UJ	38 UJ	44 U	73 U
AROCLOR-1221 (UG/KG)	970 U	860 U	48 U	49 U	40 UJ	37 UJ	38 UJ	44 U	73 U
AROCLOR-1232 (UG/KG)	970 U	860 U	48 U	49 U	40 UJ	37 UJ	38 UJ	44 U	73 U
AROCLOR-1242 (UG/KG)	25000 D	30000 D	2600 D	480 J	340 J	74 J	180 J	1800 DJ	2100 DJ
AROCLOR-1248 (UG/KG)	970 U	860 U	48 U	49 U	40 UJ	37 UJ	38 UJ	44 U	73 U
AROCLOR-1254 (UG/KG)	6300	6000	250	120	230 J	24 J	32 J	450 J	750 J
AROCLOR-1260 (UG/KG)	1800 J	1800 J	77	18 J	99 J	8.3 J	9.7 J	160 J	380 J
PCB, TOTAL(UG/KG)	33100	37800	2927	618	669	106.3	221.7	2410	3230
TOTAL ORGANIC CARBON (%)	3.4	3.4	1.2	6.2	0.5 J				3.4

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD025	SD025	SD025	SD025-DP	SD025	SD025	SD026	SD026	SD026
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12765811.785	12765811.785	12765811.785	12765811.785	12765811.785	12765811.785	12765841.658	12765841.658	12765841.658
Y-Coordinate	353687.446	353687.446	353687.446	353687.446	353687.446	353687.446	353851.748	353851.748	353851.748
Start Depth	0	6	12	12	24	38	0	3	9
End Depth	6	12	24	24	38	41	3	9	12
Chemical Name									
AROCLOR-1016 (UG/KG)	42 U	41 U	40 U	34 U	49 U	67 U	38 UJ	79 UJ	45 UJ
AROCLOR-1221 (UG/KG)	42 U	41 U	40 U	34 U	49 U	67 U	38 UJ	79 UJ	45 UJ
AROCLOR-1232 (UG/KG)	42 U	41 U	40 U	34 U	49 U	67 U	38 UJ	79 UJ	45 UJ
AROCLOR-1242 (UG/KG)	230	140	98	69	57	270	48 J	79 UJ	45 UJ
AROCLOR-1248 (UG/KG)	42 U	41 U	40 U	34 U	49 U	67 U	38 UJ	79 UJ	45 UJ
AROCLOR-1254 (UG/KG)	120	53	27 J	25 J	49 U	60 J	8.3 J	79 UJ	45 UJ
AROCLOR-1260 (UG/KG)	50	17 J	11 J	11 J	49 U	67 U	38 UJ	79 UJ	45 UJ
PCB, TOTAL(UG/KG)	400	210	136	105	57	330	56.3	79 UJ	45 UJ
TOTAL ORGANIC CARBON (%)								2.7	0.4 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "UJ" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD026	SD026	SD027	SD027	SD027	SD027-DP	SD027	SD028	SD028
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/5/2001	6/5/2001
X-Coordinate	12765841.658	12765841.658	12765879.000	12765879.000	12765879.000	12765879.000	12765879.000	12771906.495	12771906.495
Y-Coordinate	353851.748	353851.748	353974.975	353974.975	353974.975	353974.975	353974.975	352636.955	352636.955
Start Depth	12	24	0	6	12	12	24	0	6
End Depth	24	30	6	12	24	24	34	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	45 UJ	57 UJ	67 U	100 U	99 U	100 U	88 U	45 U	83 U
AROCLOR-1221 (UG/KG)	45 UJ	57 UJ	67 U	100 U	99 U	100 U	88 U	45 U	83 U
AROCLOR-1232 (UG/KG)	45 UJ	57 UJ	67 U	100 U	99 U	100 U	88 U	45 U	83 U
AROCLOR-1242 (UG/KG)	45 UJ	57 UJ	3000 D	2600 D	1100 D	1000	88 U	45 U	83 U
AROCLOR-1248 (UG/KG)	45 UJ	57 UJ	67 U	100 U	99 U	100 U	88 U	45 U	83 U
AROCLOR-1254 (UG/KG)	45 UJ	57 UJ	820	2500 DJ	920	780 J	88 U	45 U	83 U
AROCLOR-1260 (UG/KG)	45 UJ	57 UJ	240 J	600	370 J	270	88 U	45 U	83 U
PCB, TOTAL(UG/KG)	45 UJ	57 UJ	4060	5700	2390	2050	88 U	45 U	83 U
TOTAL ORGANIC CARBON (%	0.5 J	0.9 J	4.1	3.6	3.8		3.3	1 J	

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD028	SD029	SD029	SD029	SD030	SD030	SD030	SD030	SD031
Sample Date	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/7/2001
X-Coordinate	12771906.495	12772343.575	12772343.575	12772343.575	12772295.430	12772295.430	12772295.430	12772295.430	12768974.015
Y-Coordinate	352636.955	352718.969	352718.969	352718.969	352705.741	352705.741	352705.741	352705.741	351686.949
Start Depth	12	0	6	12	0	6	10.5	18	0
End Depth	18	6	12	21	6	10.5	18	30	6
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	97 U	88 U	80 U	43 U	41 U	58 U	36 U	120 U
AROCLOR-1221 (UG/KG)	48 U	97 U	88 U	80 U	43 U	41 U	58 U	36 U	120 U
AROCLOR-1232 (UG/KG)	48 U	97 U	88 U	80 U	43 U	41 U	58 U	36 U	120 U
AROCLOR-1242 (UG/KG)	48 U	13000 DJ	12000 D	40000 D	120 J	680 D	10000 DJ	36 U	530
AROCLOR-1248 (UG/KG)	48 U	97 U	88 U	80 U	43 U	41 U	58 U	36 U	120 U
AROCLOR-1254 (UG/KG)	48 U	830 J	760 J	7200 DJ	46	140	4400 D	36 U	300 J
AROCLOR-1260 (UG/KG)	48 U	400 J	300 J	3200 DJ	29 J	72	1600 DJ	36 U	120 J
PCB, TOTAL(UG/KG)	48 U	14230	13060	50400	195	892	16000	36 U	950
TOTAL ORGANIC CARBON (%								0.5 J	3.7

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD031	SD031	SD031	SD032	SD032	SD032	SD032	SD033	SD033
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12768974.015	12768974.015	12768974.015	12768994.751	12768994.751	12768994.751	12768994.751	12769018.466	12769018.466
Y-Coordinate	351686.949	351686.949	351686.949	352100.889	352100.889	352100.889	352100.889	352504.342	352504.342
Start Depth	6	12	24	0	6	12	24	0	6
End Depth	12	24	34	6	12	24	38	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	120 U	240 U	120 U	43 U	62 U	45 U	57 U	34 U	47 U
AROCLOR-1221 (UG/KG)	120 U	240 U	120 U	43 U	62 U	45 U	57 U	34 U	47 U
AROCLOR-1232 (UG/KG)	120 U	240 U	120 U	43 U	62 U	45 U	57 U	34 U	47 U
AROCLOR-1242 (UG/KG)	400	240 U	120 U	140 J	280	45 U	57 U	110	47 U
AROCLOR-1248 (UG/KG)	120 U	240 U	120 U	43 U	62 U	45 U	57 U	34 U	47 U
AROCLOR-1254 (UG/KG)	380	240 U	120 U	86 J	130 J	45 U	57 U	28 J	47 U
AROCLOR-1260 (UG/KG)	110 J	240 U	120 U	43	85	45 U	57 U	12 J	47 U
PCB, TOTAL(UG/KG)	890	240 U	120 U	269	495	45 U	57 U	150	47 U
TOTAL ORGANIC CARBON (%	3.6	4	4.3	1.4	2.4	0.6 J	1.3		

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD033	SD033-DP	SD034	SD034	SD034	SD034	SD034	SD035	SD035
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/6/2001	6/6/2001
X-Coordinate	12769018.466	12769018.466	12768992.248	12768992.248	12768992.248	12768992.248	12768992.248	12767288.818	12767288.818
Y-Coordinate	352504.342	352504.342	352230.011	352230.011	352230.011	352230.011	352230.011	352500.052	352500.052
Start Depth	12	12	0	6	12	24	36	0	6
End Depth	24	24	6	12	24	36	40	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	38 U	39 U	38 U	37 U	35 U	38 U	39 U	120 U	120 U
AROCLOR-1221 (UG/KG)	38 U	39 U	38 U	37 U	35 U	38 U	39 U	120 U	120 U
AROCLOR-1232 (UG/KG)	38 U	39 U	38 U	37 U	35 U	38 U	39 U	120 U	120 U
AROCLOR-1242 (UG/KG)	38 U	39 U	190	240	200	240	170	7800 D	160 J
AROCLOR-1248 (UG/KG)	38 U	39 U	38 U	37 U	35 U	38 U	39 U	120 U	120 U
AROCLOR-1254 (UG/KG)	38 U	39 U	80	140	63	72	36 J	1500	250
AROCLOR-1260 (UG/KG)	38 U	39 U	46	70	35 U	35 J	18 J	680	160
PCB, TOTAL(UG/KG)	38 U	39 U	316	450	263	347	224	9980	570
TOTAL ORGANIC CARBON (%)								4.4	3.7

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD035	SD035	SD036	SD036	SD036	SD036	SD037	SD037	SD037
Sample Date	6/6/2001	6/6/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12767288.818	12767288.818	12767316.824	12767316.824	12767316.824	12767316.824	12767351.681	12767351.681	12767351.681
Y-Coordinate	352500.052	352500.052	352598.487	352598.487	352598.487	352598.487	352702.404	352702.404	352702.404
Start Depth	12	21	0	6	6	19	0	6	12
End Depth	21	36	6	12	19	27	6	12	23
Chemical Name									
AROCLOR-1016 (UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
AROCLOR-1221 (UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
AROCLOR-1232 (UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
AROCLOR-1242 (UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
AROCLOR-1248 (UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
AROCLOR-1254 (UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
AROCLOR-1260 (UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
PCB, TOTAL(UG/KG)	98 U	40 U	130 UJ	110 UJ	120 UJ	46 UJ	57 U	88 U	87 U
TOTAL ORGANIC CARBON (%	3.1		4.4	3.8	3.2	0.8 J	2.1	2.7	3

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD037-DP	SD037	SD038	SD038	SD038-DP	SD038	SD038	SD038	SD039
Sample Date	6/7/2001	6/7/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001
X-Coordinate	12767351.681	12767351.681	12770692.826	12770692.826	12770692.826	12770692.826	12770692.826	12770692.826	12770722.278
Y-Coordinate	352702.404	352702.404	352428.566	352428.566	352428.566	352428.566	352428.566	352428.566	352547.293
Start Depth	12	23	0	6	6	11	17	24	0
End Depth	23	26	6	11	11	17	24	29	6
Chemical Name									
AROCLOR-1016 (UG/KG)	85 U	45 U	50 U	49 U	50 U	46 U	47 U	55 U	40 U
AROCLOR-1221 (UG/KG)	85 U	45 U	50 U	49 U	50 U	46 U	47 U	55 U	40 U
AROCLOR-1232 (UG/KG)	85 U	45 U	50 U	49 U	50 U	46 U	47 U	55 U	40 U
AROCLOR-1242 (UG/KG)	85 U	45 U	280	330	270 J	18 J	47 U	55 U	79
AROCLOR-1248 (UG/KG)	85 U	45 U	50 U	49 U	50 U	46 U	47 U	55 U	40 U
AROCLOR-1254 (UG/KG)	85 U	45 U	170 J	170 J	180	12 J	47 U	55 U	30 J
AROCLOR-1260 (UG/KG)	85 U	45 U	61	68 J	110	46 U	47 U	55 U	20
PCB, TOTAL(UG/KG)	85 U	45 U	511	568	560	30	47 U	55 U	129
TOTAL ORGANIC CARBON (%	2.5		1.4				0.9 J	1.5	

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD039	SD039	SD039-DP	SD039	SD039	SD039	SD040	SD040	SD040
Sample Date	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001
X-Coordinate	12770722.278	12770722.278	12770722.278	12770722.278	12770722.278	12770722.278	12770696.858	12770696.858	12770696.858
Y-Coordinate	352547.293	352547.293	352547.293	352547.293	352547.293	352547.293	352977.093	352977.093	352977.093
Start Depth	6	12	12	24	36	48	0	6	12
End Depth	12	24	24	36	48	60	6	12	20
Chemical Name									
AROCLOR-1016 (UG/KG)	40 U	41 U	40 U	39 U	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
AROCLOR-1221 (UG/KG)	40 U	41 U	40 U	39 U	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
AROCLOR-1232 (UG/KG)	40 U	41 U	40 U	39 U	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
AROCLOR-1242 (UG/KG)	160	78	190	41	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
AROCLOR-1248 (UG/KG)	40 U	41 U	40 U	39 U	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
AROCLOR-1254 (UG/KG)	34 J	27 J	78	12 J	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
AROCLOR-1260 (UG/KG)	40 U	13	33 J	39 U	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
PCB, TOTAL(UG/KG)	194	118	301	53	41 UJ	42 UJ	65 UJ	72 UJ	56 UJ
TOTAL ORGANIC CARBON (%	0.4 J						1.8	2.9	1.5

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD041	SD041	SD041	SD041-DP	SD042	SD042	SD042	SD042	SD042
Sample Date	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001
X-Coordinate	12770686.805	12770686.805	12770686.805	12770686.805	12770673.096	12770673.096	12770673.096	12770673.096	12770673.096
Y-Coordinate	353189.117	353189.117	353189.117	353189.117	353111.101	353111.101	353111.101	353111.101	353111.101
Start Depth	0	6	11	11	0	6	12	24	36
End Depth	6	11	21	21	6	12	24	36	40
Chemical Name									
AROCLOR-1016 (UG/KG)	36 UJ	36 UJ	53 U	56 U	41 U	36 UJ	31 UJ	35 U	41 U
AROCLOR-1221 (UG/KG)	36 UJ	36 UJ	53 U	56 U	41 U	36 UJ	31 UJ	35 U	41 U
AROCLOR-1232 (UG/KG)	36 UJ	36 UJ	53 U	56 U	41 U	36 UJ	31 UJ	35 U	41 U
AROCLOR-1242 (UG/KG)	120 J	120 J	53 U	56 U	150 J	270 J	170 J	740 D	41 U
AROCLOR-1248 (UG/KG)	36 UJ	36 UJ	53 U	56 U	41 U	36 UJ	31 UJ	35 U	41 U
AROCLOR-1254 (UG/KG)	32 J	39 J	53 U	56 U	220 J	130 J	52 J	130 J	41 U
AROCLOR-1260 (UG/KG)	7.3 J	9 J	53 U	56 U	150 J	54 J	12 J	22 J	41 U
PCB, TOTAL(UG/KG)	159.3	168	53 U	56 U	520	454	234	892	41 U
TOTAL ORGANIC CARBON (%)									

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD043	SD043	SD043	SD043-DP	SD043	SD043	SD044	SD044	SD044
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/6/2001	6/6/2001	6/6/2001
X-Coordinate	12767373.936	12767373.936	12767373.936	12767373.936	12767373.936	12767373.936	12767415.884	12767415.884	12767415.884
Y-Coordinate	352778.138	352778.138	352778.138	352778.138	352778.138	352778.138	352909.226	352909.226	352909.226
Start Depth	0	6	12	12	24	36	0	6	12
End Depth	6	12	24	24	36	41	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	40 U	39 U	84 U	81 U	77 U	81 U	40 U	41 U	39 U
AROCLOR-1221 (UG/KG)	40 U	39 U	84 U	81 U	77 U	81 U	40 U	41 U	39 U
AROCLOR-1232 (UG/KG)	40 U	39 U	84 U	81 U	77 U	81 U	40 U	41 U	39 U
AROCLOR-1242 (UG/KG)	40 U	20 J	180	210	77 U	81 U	40 U	12 J	11 J
AROCLOR-1248 (UG/KG)	40 U	39 U	84 U	81 U	77 U	81 U	40 U	41 U	39 U
AROCLOR-1254 (UG/KG)	40 U	9.4 J	89 J	96 J	77 U	81 U	40 U	41 U	7.5 J
AROCLOR-1260 (UG/KG)	40 U	39 U	46 J	40 J	77 U	81 U	40 U	41 U	39 U
PCB, TOTAL(UG/KG)	40 U	29.4	315	346	77 U	81 U	40 U	12	18.5
TOTAL ORGANIC CARBON (%)			3.9		3.3	3.4			

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD044	SD045	SD045	SD045	SD045	SD045-DP	SD045	SD046	SD046
Sample Date	6/6/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12767415.884	12768988.941	12768988.941	12768988.941	12768988.941	12768988.941	12768988.941	12768983.698	12768983.698
Y-Coordinate	352909.226	352353.412	352353.412	352353.412	352353.412	352353.412	352353.412	351886.739	351886.739
Start Depth	24	0	6	12	24	24	36	0	6
End Depth	36	6	12	24	36	36	44	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	41 U	35 UJ	58 U	47 U	45 U	47 U	63 U	90 U	89 U
AROCLOR-1221 (UG/KG)	41 U	35 UJ	58 U	47 U	45 U	47 U	63 U	90 U	89 U
AROCLOR-1232 (UG/KG)	41 U	35 UJ	58 U	47 U	45 U	47 U	63 U	90 U	89 U
AROCLOR-1242 (UG/KG)	33 J	44 J	2700 DJ	47 U	45 U	47 U	63 U	1100 D	89 U
AROCLOR-1248 (UG/KG)	41 U	35 UJ	58 U	47 U	45 U	47 U	63 U	90 U	89 U
AROCLOR-1254 (UG/KG)	72 J	13 J	560 J	47 U	45 U	47 U	63 U	1200 D	89 U
AROCLOR-1260 (UG/KG)	41 U	35 UJ	190 J	47 U	45 U	47 U	63 U	500	300 J
PCB, TOTAL(UG/KG)	105	57	3450	47 U	45 U	47 U	63 U	2800	300
TOTAL ORGANIC CARBON (%						0.4 J	2.1	4.5	4.9

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD046	SD046-DP	SD046	SD046	SD047	SD047	SD047	SD047	SD048
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/5/2001
X-Coordinate	12768983.698	12768983.698	12768983.698	12768983.698	12768967.967	12768967.967	12768967.967	12768967.967	12770673.916
Y-Coordinate	351886.739	351886.739	351886.739	351886.739	351472.500	351472.500	351472.500	351472.500	352725.410
Start Depth	12	12	24	32	0	6	12	24	0
End Depth	24	24	32	39	6	12	24	29	6
Chemical Name									
AROCLOR-1016 (UG/KG)	89 U	91 U	110 U	230 U	140 U	150 U	190 U	140 U	47 U
AROCLOR-1221 (UG/KG)	89 U	91 U	110 U	230 U	140 U	150 U	190 U	140 U	47 U
AROCLOR-1232 (UG/KG)	89 U	91 U	110 U	230 U	140 U	150 U	190 U	140 U	47 U
AROCLOR-1242 (UG/KG)	67 J	91 U	110 U	230 U	590	150 U	190 U	140 U	1800 D
AROCLOR-1248 (UG/KG)	89 U	91 U	110 U	230 U	140 U	150 U	190 U	140 U	47 U
AROCLOR-1254 (UG/KG)	37 J	91 U	110 U	230 U	200 J	150 U	190 U	140 U	400 J
AROCLOR-1260 (UG/KG)	55 J	38 J	110 U	230 U	64 J	150 U	190 U	140 U	150
PCB, TOTAL(UG/KG)	159	38	110 U	230 U	854	150 U	190 U	140 U	2350
TOTAL ORGANIC CARBON (%	3.5		2.6	5.6	4.4	4.4	2.9	3.4	1.7

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD048	SD048	SD048	SD048	SD048-DP	SD048	SD049	SD049	SD049
Sample Date	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001
X-Coordinate	12770673.916	12770673.916	12770673.916	12770673.916	12770673.916	12770673.916	12770666.510	12770666.510	12770666.510
Y-Coordinate	352725.410	352725.410	352725.410	352725.410	352725.410	352725.410	352869.906	352869.906	352869.906
Start Depth	6	12	21	24	24	34	0	6	12
End Depth	12	21	24	34	34	39	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	48 UJ	46 U	47 U	86 U	91 U	88 U	43 U	38 U	40 U
AROCLOR-1221 (UG/KG)	48 UJ	46 U	47 U	86 U	91 U	88 U	43 U	38 U	40 U
AROCLOR-1232 (UG/KG)	48 UJ	46 U	47 U	86 U	91 U	88 U	43 U	38 U	40 U
AROCLOR-1242 (UG/KG)	7800 DJ	83 J	47 U	86 U	91 U	88 U	330 J	150	530 DJ
AROCLOR-1248 (UG/KG)	48 UJ	46 U	47 U	86 U	91 U	88 U	43 U	38 U	40 U
AROCLOR-1254 (UG/KG)	6300 DJ	46 U	47 U	86 U	91 U	88 U	170	32 J	390 DJ
AROCLOR-1260 (UG/KG)	1500 DJ	46 U	47 U	86 U	91 U	88 U	90	9.1 J	240 DJ
PCB, TOTAL(UG/KG)	15600	83	47 U	86 U	91 U	88 U	590	191.1	1160
TOTAL ORGANIC CARBON (%)	1.5	0.3 J	1.7	2.7		4.2	2	0.6 J	0.2 J

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "UJ" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD049	SD049	SD049	SD050	SD050	SD050	SD050-DP	SD050	SD051
Sample Date	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/5/2001	6/7/2001
X-Coordinate	12770666.510	12770666.510	12770666.510	12772159.484	12772159.484	12772159.484	12772159.484	12772159.484	12766405.388
Y-Coordinate	352869.906	352869.906	352869.906	352685.160	352685.160	352685.160	352685.160	352685.160	353641.908
Start Depth	18	22	32	48	0	6	12	25	0
End Depth	22	32	42	56	6	12	25	28	6
Chemical Name									
AROCLOR-1016 (UG/KG)	70 U	42 U	76 U	42 UJ	58 U	71 U	64 U	40 U	700 U
AROCLOR-1221 (UG/KG)	70 U	42 U	76 U	42 UJ	58 U	71 U	64 U	40 U	700 U
AROCLOR-1232 (UG/KG)	70 U	42 U	76 U	42 UJ	58 U	71 U	64 U	40 U	700 U
AROCLOR-1242 (UG/KG)	400 J	42 U	76 U	370 J	190 J	71 U	64 U	40 U	52000 DJ
AROCLOR-1248 (UG/KG)	70 U	42 U	76 U	42 UJ	58 U	71 U	64 U	40 U	700 U
AROCLOR-1254 (UG/KG)	140 J	42 U	76 U	180 J	110 J	71 U	64 U	40 U	5200
AROCLOR-1260 (UG/KG)	81 J	42 U	76 U	110 J	62 J	71 U	64 U	40 U	1700
PCB, TOTAL(UG/KG)	621	42 U	76 U	660	362	71 U	64 U	40 U	58900
TOTAL ORGANIC CARBON (%	2.6 J	0.6 J	3.1						4.4

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD051	SD051	SD051-DP	SD051	SD052	SD052	SD052	SD052	SD053
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12766405.388	12766405.388	12766405.388	12766405.388	12768306.902	12768306.902	12768306.902	12768306.902	12769536.748
Y-Coordinate	353641.908	353641.908	353641.908	353641.908	352560.909	352560.909	352560.909	352560.909	352354.714
Start Depth	6	12	12	20	0	6	12	24	0
End Depth	12	20	20	33	6	12	24	36	6
Chemical Name									
AROCLOR-1016 (UG/KG)	72 U	81 U	87 U	77 U	130 U	140 U	180 U	160 U	38 U
AROCLOR-1221 (UG/KG)	72 U	81 U	87 U	77 U	130 U	140 U	180 U	160 U	38 U
AROCLOR-1232 (UG/KG)	72 U	81 U	87 U	77 U	130 U	140 U	180 U	160 U	38 U
AROCLOR-1242 (UG/KG)	58000 D	16000 D	6600 D	540	4500 D	280	29 J	160 U	120
AROCLOR-1248 (UG/KG)	72 U	81 U	87 U	77 U	130 U	140 U	180 U	160 U	38 U
AROCLOR-1254 (UG/KG)	16000 DJ	8300 DJ	3800 DJ	280 J	1600	210	39 J	160 U	80
AROCLOR-1260 (UG/KG)	8100 D	2300 D	2200 D	160	760	170	27 J	160 U	40
PCB, TOTAL(UG/KG)	82100	26600	12600	980	6860	660	95	160 U	240
TOTAL ORGANIC CARBON (%	4.2	4.8		3.5	4.4	4.9	7.3	7	

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD053	SD053	SD053	SD054	SD054	SD054	SD054	SD054	SD054-DP
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12769536.748	12769536.748	12769536.748	12770288.698	12770288.698	12770288.698	12770288.698	12770288.698	12770288.698
Y-Coordinate	352354.714	352354.714	352354.714	352304.697	352304.697	352304.697	352304.697	352304.697	352304.697
Start Depth	6	12	24	0	5	19	24	36	36
End Depth	12	24	33	5	19	24	36	47	47
Chemical Name									
AROCLOR-1016 (UG/KG)	35 U	36 U	39 U	54 U	36 U	77 U	78 U	55 UJ	82 UJ
AROCLOR-1221 (UG/KG)	35 U	36 U	39 U	54 U	36 U	77 U	78 U	55 UJ	82 UJ
AROCLOR-1232 (UG/KG)	35 U	36 U	39 U	54 U	36 U	77 U	78 U	55 UJ	82 UJ
AROCLOR-1242 (UG/KG)	100	150	310	390 DJ	46 J	17000 DJ	78 U	55 UJ	82 UJ
AROCLOR-1248 (UG/KG)	35 U	36 U	39 U	54 U	36 U	77 U	78 U	55 UJ	82 UJ
AROCLOR-1254 (UG/KG)	29 J	41	70	250 J	19 J	3200 DJ	78 U	55 UJ	82 UJ
AROCLOR-1260 (UG/KG)	35 U	20 J	17 J	110 J	8.9 J	1400 DJ	52 J	55 UJ	82 UJ
PCB, TOTAL(UG/KG)	129	211	397	750	73.9	21600	52	55 UJ	82 UJ
TOTAL ORGANIC CARBON (%)				2.9	0.5 J	3.1	3.1	1.7	

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-4

Phase I Sediment PCB and TOC Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD055	SD055	SD055	SD055-DP	SD055
Sample Date	6/7/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12771547.106	12771547.106	12771547.106	12771547.106	12771547.106
Y-Coordinate	353079.775	353079.775	353079.775	353079.775	353079.775
Start Depth	0	3	10.5	10.5	24
End Depth	3	10.5	24	24	35
Chemical Name					
AROCLOR-1016 (UG/KG)	61 U	43 U	88 U	91 U	97 U
AROCLOR-1221 (UG/KG)	61 U	43 U	88 U	91 U	97 U
AROCLOR-1232 (UG/KG)	61 U	43 U	88 U	91 U	97 U
AROCLOR-1242 (UG/KG)	760 D	250	88 U	240 J	97 U
AROCLOR-1248 (UG/KG)	61 U	43 U	88 U	91 U	97 U
AROCLOR-1254 (UG/KG)	300	180	88 U	200 J	97 U
AROCLOR-1260 (UG/KG)	150	150	140 J	200 J	97 U
PCB, TOTAL(UG/KG)	1210	580	140	640	97 U
TOTAL ORGANIC CARBON (%)	3.5 J		4		2.5

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-5

Phase I Sediment Dioxin-Furan Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD001	SD004	SD004-DP	SD007	SD022	SD026	SD027	SD029
Sample Date	5/31/2001	5/30/2001	5/30/2001	5/30/2001	6/1/2001	6/7/2001	6/7/2001	6/5/2001
X-Coordinate	12772080.201	12772981.047	12772981.047	12774143.218	12778988.650	12765841.658	12765879.000	12772343.575
Y-Coordinate	350900.501	349855.150	349855.150	350559.070	346969.890	353851.748	353974.975	352718.969
Start Depth	0	0	0	0	0	3	0	0
End Depth	56	39	39	34	44	30	34	21
Chemical Name								
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (NG/KG)	2840	29.34 J	18.97 J	459.6 J	1436 J	13.68 J	9173 J	8072 J
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (NG/KG)	1003	15.99 R	14.79 J	113.3 J	250.3 J	1.574 UJ	1585 J	1022 J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (NG/KG)	7.369 U	4.371 UJ	1.82 UJ	6.39 UJ	15.38 J	2.315 U	70.01 J	76.62 J
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	19.53	4.856 UJ	2.021 UJ	6.78 UJ	8.298	2.557 U	49.39 J	52.32 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	35.02	33.32 J	53.49 J	17.32 J	24 J	6.071	65.89 J	136.4 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	123.2	4.226 UJ	1.759 UJ	64.35 J	60.55 J	2.225 U	225.9 J	271.1 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	59.24	10.64 J	14.35 J	43.36 J	34.21 J	0.998 U	115.3 J	145.4 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	61.46	4.308 UJ	1.793 UJ	6.016 UJ	30.41 J	2.268 U	83.37 J	101.2 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (NG/KG)	6.577 U	4.007 UJ	9.213 J	5.983 UJ	2.714 UJ	1.392 U	10.57 R	19.95 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (NG/KG)	8.805 UJ	4.67 UJ	1.898 UJ	61.57 J	5.157 U	1.498 UJ	16.78 U	15.24 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN (NG/KG)	30.92	102.2 J	155 J	48.29 J	8.332 J	1.69 UJ	7.229 U	38.07 J
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	5.262 U	3.205 UJ	7.236 R	4.786 UJ	4.274 J	1.114 U	16.07 J	22.93 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN (NG/KG)	24.27	83.18 J	141.5 J	5.184 UJ	10.56 J	1.622 U	15.64 J	29.44 J
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (NG/KG)	3.725 U	3.684 UJ	1.244 UJ	89.87 R	49.52 R	1.71 U	132.5 R	219.5 R
2,3,7,8-TETRACHLORODIBENZOFURAN (NG/KG)	174.4 J	533.2 J	936 J	54.4 R	78.79 J	21.49 J	81.5 J	438.5 J
OCTACHLORODIBENZO-P-DIOXIN (NG/KG)	22850	206 J	136.5 J	3513 J	16550 J	120.9 J	85940 J	87920 J
OCTACHLORODIBENZOFURAN (NG/KG)	629.2	9.04 UJ	17.09 J	300.2 J	363.9 J	334.2	4015 J	2038 J
TOTAL HPCDD (NG/KG)	4945	29.34	36.77	785.8	2748	27.47	16730	15290
TOTAL HPCDF (NG/KG)	2378	2.973 U	26.04	113.3	814	1.574 U	5886	3646
TOTAL HXCDD (NG/KG)	748.8	4.226 U	1.759 U	64.35	351.6	2.225 U	1356	1415
TOTAL HXCDF (NG/KG)	672.8	43.96	96.9	122.3	271.3	6.071	1603	1672
TOTAL PECDD (NG/KG)	8.805 U	4.67 U	1.898 U	61.57	5.157 U	1.498 U	16.78 U	15.24 U
TOTAL PECDF (NG/KG)	161.6	302.8	511.7	106.3	18.89	16.9	381.2	829.2
TOTAL TCDD (NG/KG)	24.71	3.684 U	1.244 U	4.644 U	3.281 U	1.71 U	588.8	326.6
TOTAL TCDF (NG/KG)	282.5	1074	1769	5.174 U	243.9	51.05	166.9	1365
TOTAL TEQ (NG/KG)	136.8	150.9	250	76.98	67.43	3.348	269.8	341.8

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet
Those compounds with concentrations flagged U or R are not included in the Total TEQ calculation for that sample

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
R= Result is rejected

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Table 5-5

Phase I Sediment Dioxin-Furan Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD035	SD040	SD049	SD051	SD052	SD052-DP	SD055
Sample Date	6/6/2001	6/5/2001	6/5/2001	6/7/2001	6/7/2001	6/7/2001	6/7/2001
X-Coordinate	12767288.818	12770696.858	12770666.510	12766405.388	12768306.902	12768306.902	12771547.106
Y-Coordinate	352500.052	352977.093	352869.906	353641.908	352560.909	352560.909	353079.775
Start Depth	0	0	0	0	0	0	3
End Depth	36	2	42	33	36	36	35
Chemical Name							
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (NG/KG)	1005	5.331 U	435.2	7290 J	10510 J	4846	22040 J
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (NG/KG)	232.4	3.094 U	99.85	1677 J	3153 J	1212	7265 J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (NG/KG)	487.7	4.549 U	3.223 U	65.2 J	70.12 J	14.02 U	170.1 J
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	4.041 U	6.558 U	4.155 U	13.14 U	41.43 J	23.67 U	84.96 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	2.427 U	3.22 U	4.603 U	48.5 J	90.96 J	25.18 U	351.2 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	36.33	5.707 U	14.21	189.9 J	328.7 J	123.1	695.1 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	24.32	3.092 U	9.669	138.8	264 J	103.2	138.8 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (NG/KG)	25.76 R	5.818 U	3.686 U	72.93 J	149.2 J	67.67	309.1 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (NG/KG)	3.252 U	4.314 U	6.167 U	8.547 U	14.9 J	33.74 U	20.91 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (NG/KG)	4.507 U	5.817 U	2.788 U	14.12 U	14.74 R	14.22 U	25.74 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN (NG/KG)	30.37 R	4.753 UJ	3.542 UJ	17.19 U	27.78 R	21.8 UJ	192.5 J
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (NG/KG)	2.601 U	3.451 U	4.933 U	6.837 U	31.28 J	26.99 U	50.06 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN (NG/KG)	37.46	4.56 U	3.398 U	24.72 J	31.22 J	20.91 U	154.1 J
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (NG/KG)	2.216 U	4.742 U	2.646 U	95.89 R	33.3 J	25.71 R	105.5 R
2,3,7,8-TETRACHLORODIBENZOFURAN (NG/KG)	14.88 R	5.202 U	6.546 R	219.9 J	179.6 J	93.79 J	343.8 J
OCTACHLORODIBENZO-P-DIOXIN (NG/KG)	8807	26.28	3242 J	59770 J	72520 J	31520	150400 J
OCTACHLORODIBENZOFURAN (NG/KG)	231.2	6.278 U	126.8	2572 J	2533 J	977	8242 J
TOTAL HPCDD (NG/KG)	1005	5.331 U	764.7	13440	17630	8280	39140
TOTAL HPCDF (NG/KG)	720.1	3.094 U	2.192 U	4662	6818	2703	7436
TOTAL HXCDD (NG/KG)	3633	5.707 U	103.9	1105	1791	780.3	3834
TOTAL HXCDF (NG/KG)	112.5	3.092 U	57.39 R	715.9	2589	1012	4668
TOTAL PECDD (NG/KG)	4.507 U	5.817 U	2.788 U	14.12 U	6.612 U	14.22 U	25.74 U
TOTAL PECDF (NG/KG)	241.1	4.56 U	3.398 U	165.8	895.8	90.28	2506
TOTAL TCDD (NG/KG)	2.216 U	4.742 U	2.646 U	283	137.2	10.68 U	147.8
TOTAL TCDF (NG/KG)	358	5.202 U	6.546	449.2	2430	93.79	774.2
TOTAL TEQ (NG/KG)	51.08	0.026	11.11	232	371.3	131.9	824

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet
Those compounds with concentrations flagged U or R are not included in the Total TEQ calculation for that sample

J= Result is an estimated value
U= Result is undetected at the method detection limit noted.
R= Result is rejected

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Table 5-6

Statistical Analysis of Phase I Soil PCB Data - Reach 1
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	38	37	38	32
Number of Non-Detects	NA	3	7	7	8
Number of Samples Above 1000 ug/kg	NA	26	17	8	6
Arithmetic Average (ug/kg)	NA	14,313.26	9,392.64	2,790.87	820.95
Arithmetic Upper 95% Confidence Limit (ug/k	NA	20,937.20	15,399.02	4,966.54	1,355.39
Arithmetic Lower 95% Confidence Limit (ug/k	NA	7,689.31	3,386.26	615.21	286.50
Geometric Mean (ug/kg)	NA	2,010.66	688.82	242.70	153.95
Geometric Upper 95% Confidence Limit (ug/k	NA	1,420,796.53	380,542.25	12,131.28	3,680.68
Geometric Lower 95% Confidence Limit (ug/k	NA	2.85	1.25	4.86	6.44
Minimum (ug/kg)	NA	3	11	15	9
Maximum (ug/kg)	NA	84,100	79,000	26,900	6,790

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Table 5-7

Statistical Analysis of Phase I Soil PCB Data - Reach 2
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	31	31	35	36
Number of Non-Detects	NA	13	21	26	25
Number of Samples Above 1000 ug/kg	NA	9	5	3	0
Arithmetic Average (ug/kg)	NA	2,756.86	3,899.16	1,628.83	105.27
Arithmetic Upper 95% Confidence Limit (ug/k	NA	4,721.20	8,324.71	4,356.62	150.56
Arithmetic Lower 95% Confidence Limit (ug/k	NA	792.53	-526.39	-1,098.96	59.98
Geometric Mean (ug/kg)	NA	173.10	136.01	68.96	56.40
Geometric Upper 95% Confidence Limit (ug/k	NA	54,499.72	13,762.98	968.04	179.77
Geometric Lower 95% Confidence Limit (ug/k	NA	0.55	1.34	4.91	17.70
Minimum (ug/kg)	NA	4	17	16	4
Maximum (ug/kg)	NA	24,800	60,700	48,800	680

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Table 5-8

Statistical Analysis of Phase I Sediment PCB Data - Reach 1
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	2	13	13	12	13
Number of Non-Detects	0	5	6	7	11
Number of Samples Above 1000 ug/kg	2	4	1	2	1
Arithmetic Average (ug/kg)	3,135.00	1,082.85	195.58	3,353.93	303.50
Arithmetic Upper 95% Confidence Limit (ug/k	4,555.97	2,224.88	357.98	8,741.29	740.83
Arithmetic Lower 95% Confidence Limit (ug/k	1,714.03	-59.19	33.17	-2,033.43	-133.83
Geometric Mean (ug/kg)	3,050.02	195.74	71.72	151.89	62.52
Geometric Upper 95% Confidence Limit (ug/k	8,711.29	22,583.45	1,179.40	139,655.04	740.97
Geometric Lower 95% Confidence Limit (ug/k	1,067.88	1.70	4.36	0.17	5.28
Minimum (ug/kg)	2,410	25	5	27	21
Maximum (ug/kg)	3,860	7,390	1,030	33,100	2,927

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Table 5-9

Statistical Analysis of Phase I Sediment PCB Data - Reach 2
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	2	30	31	35	36
Number of Non-Detects	0	7	8	16	25
Number of Samples Above 1000 ug/kg	1	7	5	6	0
Arithmetic Average (ug/kg)	633.15	3,528.68	4,100.30	3,462.71	141.25
Arithmetic Upper 95% Confidence Limit (ug/k	1,763.75	7,447.68	9,353.72	6,851.97	218.98
Arithmetic Lower 95% Confidence Limit (ug/k	-497.45	-390.33	-1,153.12	73.45	63.52
Geometric Mean (ug/kg)	261.00	383.14	290.17	146.80	62.11
Geometric Upper 95% Confidence Limit (ug/k	1.77E+21	15,862.06	12,860.38	9,212.00	194.90
Geometric Lower 95% Confidence Limit (ug/k	3.85E-17	9.25	6.55	2.34	19.79
Minimum (ug/kg)	56	20	12	18	20
Maximum (ug/kg)	1,210	58,900	82,100	50,400	980

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Table 5-10

Summary of Samples Collected During Phase II
Allied Paper, Kalamazoo River

Grid Number	Cluster Name	Number of Core/Boring Locations		Number of Investigative Samples		Analysis	Total Number of Samples
		Soil	Sediment	Soil	Sediment		
1	SL015	33	0	218	0	PCB	218
2	SL029	33	0	235	0	PCB	235
3	SD045	0	25	0	104	PCB	104
4	SL053	32	4	202	21	PCB	223
5	SD030	15	20	87	37	PCB	124
6	SL012	28	0	159	0	PCB	159
7	SD036	0	38	0	162	PCB	162
8	SD004	0	38	0	160	PCB	160
							1,385

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-1	SL015-1	SL015-1	SL015-1-DP	SL015-1	SL015-1	SL015-1	SL015-1	SL015-1
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773055.192	12773055.192	12773055.192	12773055.192	12773055.192	12773055.192	12773055.192	12773055.192	12773055.192
Y-Coordinate	350149.378	350149.378	350149.378	350149.378	350149.378	350149.378	350149.378	350149.378	350149.378
Start Depth	0	6	12	12	24	33	42	48	51
End Depth	6	12	24	24	33	42	48	51	60
Chemical Name									
AROCLOR-1016 (UG/KG)	2900 U	510 U	540 U	560 UJ	290 U	66 U	65 U	45 U	66 U
AROCLOR-1221 (UG/KG)	2900 U	510 U	540 U	560 UJ	290 U	66 U	65 U	45 U	66 U
AROCLOR-1232 (UG/KG)	2900 U	510 U	540 U	560 UJ	290 U	66 U	65 U	45 U	66 U
AROCLOR-1242 (UG/KG)	27000 J	11000 DJ	8800 DJ	3500 J	5900 DJ	2900 DJ	1800 DJ	1700 D	280
AROCLOR-1248 (UG/KG)	2900 U	510 U	540 U	560 UJ	290 U	66 U	65 U	45 U	66 U
AROCLOR-1254 (UG/KG)	9500	3600	2500	1900 J	1600	500 J	390	390	110 J
AROCLOR-1260 (UG/KG)	2700 J	1100	780	570 J	440	150	100	100	11 J
PCB, TOTAL(UG/KG)	39200	15700	12080	5970	7940	3550	2290	2190	401

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-10	SL015-10	SL015-10	SL015-10-DP	SL015-10	SL015-10	SL015-10	SL015-10	SL015-10
Sample Date	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01
X-Coordinate	12773044.378	12773044.378	12773044.378	12773044.378	12773044.378	12773044.378	12773044.378	12773044.378	12773044.378
Y-Coordinate	350159.798	350159.798	350159.798	350159.798	350159.798	350159.798	350159.798	350159.798	350159.798
Start Depth	0	7	14	14	21	28	35	42	49
End Depth	7	14	21	21	28	35	42	49	52
Chemical Name									
AROCLOR-1016 (UG/KG)	52 UJ	48 UJ	52 UJ	47 UJ	51 UJ	55 UJ	55 UJ	58 UJ	45 UJ
AROCLOR-1221 (UG/KG)	52 UJ	48 UJ	52 UJ	47 UJ	51 UJ	55 UJ	55 UJ	58 UJ	45 UJ
AROCLOR-1232 (UG/KG)	52 UJ	48 UJ	52 UJ	47 UJ	51 UJ	55 UJ	55 UJ	58 UJ	45 UJ
AROCLOR-1242 (UG/KG)	87 J	3000 DJ	320 J	61 J	100 J	60 J	27 J	29 J	29 J
AROCLOR-1248 (UG/KG)	52 UJ	48 UJ	52 UJ	47 UJ	51 UJ	55 UJ	55 UJ	58 UJ	45 UJ
AROCLOR-1254 (UG/KG)	35 J	2700 DJ	500 J	110 J	150 J	15 J	6.6 J	7.4 J	5.6 J
AROCLOR-1260 (UG/KG)	5.9 J	1400 DJ	230 J	66 J	56 J	5 J	2.6 J	2.7 J	2.7 J
PCB, TOTAL(UG/KG)	127.9	7100	1050	237	306	80	36.2	39.1	37.3

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-10	SL015-10	SL015-10	SL015-2	SL015-2	SL015-2	SL015-2-DP	SL015-2	SL015-2
Sample Date	07/24/01	07/24/01	07/24/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773044.378	12773044.378	12773044.378	12773055.192	12773055.192	12773055.192	12773055.192	12773055.192	12773055.192
Y-Coordinate	350159.798	350159.798	350159.798	350142.481	350142.481	350142.481	350142.481	350142.481	350142.481
Start Depth	52	56	68	0	6	12	12	24	36
End Depth	56	68	74	6	12	24	24	36	42
Chemical Name									
AROCLOR-1016 (UG/KG)	67 UJ	38 UJ	80 UJ	660 UJ	52 UJ	46 UJ	47 UJ	57 UJ	64 UJ
AROCLOR-1221 (UG/KG)	67 UJ	38 UJ	80 UJ	660 UJ	52 UJ	46 UJ	47 UJ	57 UJ	64 UJ
AROCLOR-1232 (UG/KG)	67 UJ	38 UJ	80 UJ	660 UJ	52 UJ	46 UJ	47 UJ	57 UJ	64 UJ
AROCLOR-1242 (UG/KG)	94 J	38 UJ	140 J	20000 DJ	50000 DJ	2500 DJ	1500 DJ	1600 DJ	600 DJ
AROCLOR-1248 (UG/KG)	67 UJ	38 UJ	80 UJ	660 UJ	52 UJ	46 UJ	47 UJ	57 UJ	64 UJ
AROCLOR-1254 (UG/KG)	20 J	38 UJ	50 J	5700 J	14000 DJ	2100 DJ	1100 DJ	280 J	420 J
AROCLOR-1260 (UG/KG)	8.5 J	38 UJ	27 J	2500 J	5400 DJ	830 DJ	400 J	140 J	190 J
PCB, TOTAL(UG/KG)	122.5	38 UJ	217	28200	69400	5430	3000	2020	1210

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-2	SL015-2	SL015-2	SL015-3	SL015-3	SL015-3	SL015-3	SL015-3	SL015-3
Sample Date	07/26/01	07/26/01	07/24/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773055.192	12773055.192	12773055.192	12773062.426	12773062.426	12773062.426	12773062.426	12773062.426	12773062.426
Y-Coordinate	350142.481	350142.481	350142.481	350142.406	350142.406	350142.406	350142.406	350142.406	350142.406
Start Depth	42	48	48	0	6	12	24	36	48
End Depth	48	60	54	6	12	24	36	48	60
Chemical Name									
AROCLOR-1016 (UG/KG)	72 UJ	66 UJ	68 UJ	52 UJ	50 UJ	42 UJ	57 UJ	58 UJ	70 UJ
AROCLOR-1221 (UG/KG)	72 UJ	66 UJ	68 UJ	52 UJ	50 UJ	42 UJ	57 UJ	58 UJ	70 UJ
AROCLOR-1232 (UG/KG)	72 UJ	66 UJ	68 UJ	52 UJ	50 UJ	42 UJ	57 UJ	58 UJ	70 UJ
AROCLOR-1242 (UG/KG)	420 J	840 DJ	520 J	35000 DJ	43000 DJ	12000 DJ	2400 DJ	2500 DJ	300 J
AROCLOR-1248 (UG/KG)	72 UJ	66 UJ	68 UJ	52 UJ	50 UJ	42 UJ	57 UJ	58 UJ	70 UJ
AROCLOR-1254 (UG/KG)	170 J	190 J	470 J	18000 DJ	12000 DJ	3500 DJ	430 J	260 J	64 J
AROCLOR-1260 (UG/KG)	41 J	54 J	230 J	6600 DJ	4900 DJ	1500 DJ	200 J	140 J	70 UJ
PCB, TOTAL(UG/KG)	631	1084	1220	59600	59900	17000	3030	2900	364

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-3-DP	SL015-4	SL015-4	SL015-4	SL015-4	SL015-4	SL015-4	SL015-5	SL015-5
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773062.426	12773062.351	12773062.351	12773062.351	12773062.351	12773062.351	12773062.351	12773058.752	12773058.752
Y-Coordinate	350142.406	350149.453	350149.453	350149.453	350149.453	350149.453	350149.453	350155.975	350155.975
Start Depth	48	0	6	12	24	36	48	0	6
End Depth	60	6	12	24	36	48	60	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	61 UJ	55 UJ	52 UJ	50 UJ	59 UJ	66 UJ	75 UJ	250 U	130 UJ
AROCLOR-1221 (UG/KG)	61 UJ	55 UJ	52 UJ	50 UJ	59 UJ	66 UJ	75 UJ	250 U	130 UJ
AROCLOR-1232 (UG/KG)	61 UJ	55 UJ	52 UJ	50 UJ	59 UJ	66 UJ	75 UJ	250 U	130 UJ
AROCLOR-1242 (UG/KG)	290 J	37000 DJ	31000 DJ	2700 DJ	660 J	410 J	1700 DJ	12000 D	2600 DJ
AROCLOR-1248 (UG/KG)	61 UJ	55 UJ	52 UJ	50 UJ	59 UJ	66 UJ	75 UJ	250 U	130 UJ
AROCLOR-1254 (UG/KG)	54 J	11000 DJ	11000 DJ	1700 DJ	180 J	130 J	290 J	4400 D	1100 J
AROCLOR-1260 (UG/KG)	27 J	4000 DJ	4400 DJ	270 J	81 J	53 J	120 J	1500	410 J
PCB, TOTAL(UG/KG)	371	52000	46400	4670	921	593	2110	17900	4110

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-5	SL015-5	SL015-5	SL015-5	SL015-5	SL015-5-DP	SL015-6	SL015-6	SL015-6
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773058.752	12773058.752	12773058.752	12773058.752	12773058.752	12773058.752	12773048.782	12773048.782	12773048.782
Y-Coordinate	350155.975	350155.975	350155.975	350155.975	350155.975	350155.975	350145.930	350145.930	350145.930
Start Depth	12	24	36	45	48	48	0	6	12
End Depth	24	36	45	48	60	60	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	25 U	29 U	31 U	23 U	37 U	38 U	49 U	51 U	53 U
AROCLOR-1221 (UG/KG)	25 U	29 U	31 U	23 U	37 U	38 U	49 U	51 U	53 U
AROCLOR-1232 (UG/KG)	25 U	29 U	31 U	23 U	37 U	38 U	49 U	51 U	53 U
AROCLOR-1242 (UG/KG)	2200 D	1900 D	1100 DJ	52	260 J	220	21000 DJ	12000 DJ	1400 DJ
AROCLOR-1248 (UG/KG)	25 U	29 U	31 U	23 U	37 U	38 U	49 U	51 U	53 U
AROCLOR-1254 (UG/KG)	770 D	620 D	260	14 J	96	80 J	11000 DJ	3500 DJ	890 DJ
AROCLOR-1260 (UG/KG)	340 D	150	75	4.3 J	34 J	28 J	4400 DJ	1600 DJ	270 J
PCB, TOTAL(UG/KG)	3310	2670	1435	70.3	390	328	36400	17100	2560

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-6	SL015-6	SL015-6-DP	SL015-6	SL015-6	SL015-7	SL015-7	SL015-7	SL015-7
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773048.782	12773048.782	12773048.782	12773048.782	12773048.782	12773068.835	12773068.835	12773068.835	12773068.835
Y-Coordinate	350145.930	350145.930	350145.930	350145.930	350145.930	350145.967	350145.967	350145.967	350145.967
Start Depth	24	36	36	48	50	0	6	12	24
End Depth	36	48	48	50	60	6	12	24	30
Chemical Name									
AROCLOR-1016 (UG/KG)	62 UJ	69 UJ	70 UJ	50 UJ	66 UJ	50 UJ	50 UJ	50 UJ	38 UJ
AROCLOR-1221 (UG/KG)	62 UJ	69 UJ	70 UJ	50 UJ	66 UJ	50 UJ	50 UJ	50 UJ	38 UJ
AROCLOR-1232 (UG/KG)	62 UJ	69 UJ	70 UJ	50 UJ	66 UJ	50 UJ	50 UJ	50 UJ	38 UJ
AROCLOR-1242 (UG/KG)	2000 DJ	350 J	370 J	620 DJ	380 J	73000 DJ	2400 DJ	290 J	67 J
AROCLOR-1248 (UG/KG)	62 UJ	69 UJ	70 UJ	50 UJ	66 UJ	50 UJ	50 UJ	50 UJ	38 UJ
AROCLOR-1254 (UG/KG)	220 J	94 J	100 J	94 J	110 J	24000 DJ	3000 DJ	230 J	43 J
AROCLOR-1260 (UG/KG)	87 J	35 J	37 J	29 J	31 J	9300 DJ	1300 DJ	130 J	24 J
PCB, TOTAL(UG/KG)	2307	479	507	743	521	106300	6700	650	134

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-7	SL015-7	SL015-7	SL015-7	SL015-7-DP	SL015-8	SL015-8	SL015-8	SL015-8
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773068.835	12773068.835	12773068.835	12773068.835	12773068.835	12773058.771	12773058.771	12773058.771	12773058.771
Y-Coordinate	350145.967	350145.967	350145.967	350145.967	350145.967	350135.922	350135.922	350135.922	350135.922
Start Depth	30	36	42	48	48	0	6	12	24
End Depth	36	42	48	60	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	64 UJ	71 UJ	64 UJ	70 UJ	75 UJ	59 UJ	50 UJ	57 UJ	60 UJ
AROCLOR-1221 (UG/KG)	64 UJ	71 UJ	64 UJ	70 UJ	75 UJ	59 UJ	50 UJ	57 UJ	60 UJ
AROCLOR-1232 (UG/KG)	64 UJ	71 UJ	64 UJ	70 UJ	75 UJ	59 UJ	50 UJ	57 UJ	60 UJ
AROCLOR-1242 (UG/KG)	310 J	440 J	120 J	1600 DJ	2500 DJ	29000 DJ	1000 DJ	1400 DJ	20000 DJ
AROCLOR-1248 (UG/KG)	64 UJ	71 UJ	64 UJ	70 UJ	75 UJ	59 UJ	50 UJ	57 UJ	60 UJ
AROCLOR-1254 (UG/KG)	190 J	240 J	71 J	390 J	1500 DJ	11000 DJ	230 J	360 J	10000 DJ
AROCLOR-1260 (UG/KG)	100 J	110 J	24 J	160 J	680 J	4600 DJ	110 J	180 J	4300 DJ
PCB, TOTAL(UG/KG)	600	790	215	2150	4680	44600	1340	1940	34300

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-8	SL015-8-DP	SL015-8	SL015-9	SL015-9	SL015-9	SL015-9	SL015-9	SL015-9
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773058.771	12773058.771	12773058.771	12773044.453	12773044.453	12773044.453	12773044.453	12773044.453	12773044.453
Y-Coordinate	350135.922	350135.922	350135.922	350131.911	350131.911	350131.911	350131.911	350131.911	350131.911
Start Depth	36	36	48	0	6	12	24	30	36
End Depth	48	48	60	6	12	24	30	36	48
Chemical Name									
AROCLOR-1016 (UG/KG)	64 UJ	68 UJ	67 UJ	1200 UJ	410 UJ	43 UJ	45 UJ	52 UJ	65 UJ
AROCLOR-1221 (UG/KG)	64 UJ	68 UJ	67 UJ	1200 UJ	410 UJ	43 UJ	45 UJ	52 UJ	65 UJ
AROCLOR-1232 (UG/KG)	64 UJ	68 UJ	67 UJ	1200 UJ	410 UJ	43 UJ	45 UJ	52 UJ	65 UJ
AROCLOR-1242 (UG/KG)	260 J	270 J	140 J	110000 DJ	9000 DJ	3700 DJ	1100 DJ	160 J	280 J
AROCLOR-1248 (UG/KG)	64 UJ	68 UJ	67 UJ	1200 UJ	410 UJ	43 UJ	45 UJ	52 UJ	65 UJ
AROCLOR-1254 (UG/KG)	96 J	110 J	50 J	19000 DJ	1500 J	400 J	190 J	42 J	73 J
AROCLOR-1260 (UG/KG)	47 J	55 J	15 J	5100	710 J	180 J	77 J	18 J	28 J
PCB, TOTAL(UG/KG)	403	435	205	134100	11210	4280	1367	220	381

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-9	SL015-11	SL015-11	SL015-11	SL015-11	SL015-11	SL015-11	SL015-11-DP	SL015-12
Sample Date	07/26/01	07/19/01	07/19/01	07/19/01	07/19/01	07/19/01	07/19/01	07/19/01	07/26/01
X-Coordinate	12773044.453	12773072.996	12773072.996	12773072.996	12773072.996	12773072.996	12773072.996	12773072.996	12773073.146
Y-Coordinate	350131.911	350159.948	350159.948	350159.948	350159.948	350159.948	350159.948	350159.948	350132.099
Start Depth	48	0	6	12	24	42	44	44	0
End Depth	60	6	12	24	36	44	60	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	79 UJ	260 U	120 U	29 U	30 U	23 U	36 U	34 U	53 UJ
AROCLOR-1221 (UG/KG)	79 UJ	260 U	120 U	29 U	30 U	23 U	36 U	34 U	53 UJ
AROCLOR-1232 (UG/KG)	79 UJ	260 U	120 U	29 U	30 U	23 U	36 U	34 U	53 UJ
AROCLOR-1242 (UG/KG)	94 J	9700 DJ	3500 DJ	640 D	340 DJ	36	200 J	110	48000 DJ
AROCLOR-1248 (UG/KG)	79 UJ	260 U	120 U	29 U	30 U	23 U	36 U	34 U	53 UJ
AROCLOR-1254 (UG/KG)	19 J	3200 DJ	1000	230	130	12 J	82	48	22000 DJ
AROCLOR-1260 (UG/KG)	11 J	1100	450	120	62	23 U	28 J	15 J	10000 DJ
PCB, TOTAL(UG/KG)	124	14000	4950	990	532	48	310	173	80000

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-12	SL015-12	SL015-12	SL015-12	SL015-12	SL015-12-DP	SL015-13	SL015-13	SL015-13
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12773073.146	12773073.146	12773073.146	12773073.146	12773073.146	12773073.146	12773058.773	12773058.773	12773058.773
Y-Coordinate	350132.099	350132.099	350132.099	350132.099	350132.099	350132.099	350186.102	350186.102	350186.102
Start Depth	6	12	24	36	48	48	0	6	12
End Depth	12	24	36	48	60	60	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	53 UJ	54 UJ	50 UJ	60 UJ	67 UJ	70 UJ	48 UJ	48 UJ	50 UJ
AROCLOR-1221 (UG/KG)	53 UJ	54 UJ	50 UJ	60 UJ	67 UJ	70 UJ	48 UJ	48 UJ	50 UJ
AROCLOR-1232 (UG/KG)	53 UJ	54 UJ	50 UJ	60 UJ	67 UJ	70 UJ	48 UJ	48 UJ	50 UJ
AROCLOR-1242 (UG/KG)	14000 DJ	5000 DJ	2600 DJ	5000 DJ	910 DJ	770 DJ	360 J	54 J	580 DJ
AROCLOR-1248 (UG/KG)	53 UJ	54 UJ	50 UJ	60 UJ	67 UJ	70 UJ	48 UJ	48 UJ	50 UJ
AROCLOR-1254 (UG/KG)	10000 DJ	3700 DJ	550 J	3300 DJ	640 J	800 J	490 J	74 J	540 DJ
AROCLOR-1260 (UG/KG)	4900 DJ	2000 DJ	300 J	1400 DJ	240 J	250 J	320 J	46 J	280 J
PCB, TOTAL(UG/KG)	28900	10700	3450	9700	1790	1820	1170	174	1400

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-13	SL015-13	SL015-13	SL015-13	SL015-14	SL015-14	SL015-14	SL015-14-DP	SL015-14
Sample Date	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12773058.773	12773058.773	12773058.773	12773058.773	12773115.743	12773115.743	12773115.743	12773115.743	12773115.743
Y-Coordinate	350186.102	350186.102	350186.102	350186.102	350202.020	350202.020	350202.020	350202.020	350202.020
Start Depth	24	36	42	48	0	6	12	12	24
End Depth	36	42	48	60	6	12	24	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	58 UJ	64 UJ	65 UJ	71 UJ	51 UJ	54 UJ	57 UJ	55 UJ	670 UJ
AROCLOR-1221 (UG/KG)	58 UJ	64 UJ	65 UJ	71 UJ	51 UJ	54 UJ	57 UJ	55 UJ	670 UJ
AROCLOR-1232 (UG/KG)	58 UJ	64 UJ	65 UJ	71 UJ	51 UJ	54 UJ	57 UJ	55 UJ	670 UJ
AROCLOR-1242 (UG/KG)	120 J	220 J	110 J	41 J	8100 DJ	14000 DJ	7300 DJ	6900 DJ	9700 DJ
AROCLOR-1248 (UG/KG)	58 UJ	64 UJ	65 UJ	71 UJ	51 UJ	54 UJ	57 UJ	55 UJ	670 UJ
AROCLOR-1254 (UG/KG)	110 J	180 J	72 J	38 J	9900 DJ	4200 DJ	6400 DJ	6200 DJ	2400 J
AROCLOR-1260 (UG/KG)	65 J	69 J	22 J	10 J	4600 DJ	2000 DJ	2600 DJ	2600 DJ	950 J
PCB, TOTAL(UG/KG)	295	469	204	89	22600	20200	16300	15700	13050

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-14	SL015-14	SL015-14	SL015-15	SL015-15	SL015-15	SL015-15	SL015-15	SL015-15-DP
Sample Date	07/25/01	07/25/01	07/25/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773115.743	12773115.743	12773115.743	12773098.987	12773098.987	12773098.987	12773098.987	12773098.987	12773098.987
Y-Coordinate	350202.020	350202.020	350202.020	350146.166	350146.166	350146.166	350146.166	350146.166	350146.166
Start Depth	36	42	48	0	6	12	24	36	36
End Depth	42	48	60	6	12	24	36	48	48
Chemical Name									
AROCLOR-1016 (UG/KG)	59 UJ	76 UJ	70 UJ	51 U	50 U	54 UJ	55 UJ	54 UJ	59 UJ
AROCLOR-1221 (UG/KG)	59 UJ	76 UJ	70 UJ	51 U	50 U	54 UJ	55 UJ	54 UJ	59 UJ
AROCLOR-1232 (UG/KG)	59 UJ	76 UJ	70 UJ	51 U	50 U	54 UJ	55 UJ	54 UJ	59 UJ
AROCLOR-1242 (UG/KG)	250 J	180 J	230 J	16000 DJ	8500 DJ	5800 DJ	9000 DJ	2000 DJ	780 J
AROCLOR-1248 (UG/KG)	59 UJ	76 UJ	70 UJ	51 U	50 U	54 UJ	55 UJ	54 UJ	59 UJ
AROCLOR-1254 (UG/KG)	250 J	57 J	300 J	8800 DJ	8700 DJ	3300 DJ	4800 DJ	1100 DJ	440 J
AROCLOR-1260 (UG/KG)	100 J	19 J	140 J	3800 DJ	3900 DJ	1500 DJ	2000 DJ	290 J	220 J
PCB, TOTAL(UG/KG)	600	256	670	28600	21100	10600	15800	3390	1440

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-15	SL015-16	SL015-16	SL015-16	SL015-16-DP	SL015-16	SL015-16	SL015-16	SL015-17
Sample Date	07/26/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/26/01
X-Coordinate	12773098.987	12773001.523	12773001.523	12773001.523	12773001.523	12773001.523	12773001.523	12773001.523	12773001.802
Y-Coordinate	350146.166	350201.740	350201.740	350201.740	350201.740	350201.740	350201.740	350201.740	350090.313
Start Depth	48	0	6	12	12	18	36	48	0
End Depth	60	6	12	18	18	24	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	66 U	49 UJ	45 UJ	45 UJ	46 UJ	48 UJ	50 UJ	74 UJ	49 UJ
AROCLOR-1221 (UG/KG)	66 U	49 UJ	45 UJ	45 UJ	46 UJ	48 UJ	50 UJ	74 UJ	49 UJ
AROCLOR-1232 (UG/KG)	66 U	49 UJ	45 UJ	45 UJ	46 UJ	48 UJ	50 UJ	74 UJ	49 UJ
AROCLOR-1242 (UG/KG)	3000 DJ	23000 DJ	11000 DJ	5800 DJ	7100 DJ	2000 DJ	180 J	50 J	38000 DJ
AROCLOR-1248 (UG/KG)	66 U	49 UJ	45 UJ	45 UJ	46 UJ	48 UJ	50 UJ	74 UJ	49 UJ
AROCLOR-1254 (UG/KG)	770	13000 DJ	2400 DJ	3400 DJ	4000 DJ	1300 DJ	150 J	41 J	15000 DJ
AROCLOR-1260 (UG/KG)	220	7400 DJ	810 DJ	1500 DJ	1900 DJ	370 J	59 J	19 J	5900 DJ
PCB, TOTAL(UG/KG)	3990	43400	14210	10700	13000	3670	389	110	58900

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-17	SL015-17	SL015-17	SL015-17	SL015-17	SL015-18	SL015-18	SL015-18	SL015-18
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12773001.802	12773001.802	12773001.802	12773001.802	12773001.802	12773116.581	12773116.581	12773116.581	12773116.581
Y-Coordinate	350090.313	350090.313	350090.313	350090.313	350090.313	350090.034	350090.034	350090.034	350090.034
Start Depth	6	12	24	36	48	0	6	12	24
End Depth	12	24	36	48	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	50 UJ	54 U	590 UJ	66 U	68 U	48 UJ	50 UJ	43 UJ	58 UJ
AROCLOR-1221 (UG/KG)	50 UJ	54 U	590 UJ	66 U	68 U	48 UJ	50 UJ	43 UJ	58 UJ
AROCLOR-1232 (UG/KG)	50 UJ	54 U	590 UJ	66 U	68 U	48 UJ	50 UJ	43 UJ	58 UJ
AROCLOR-1242 (UG/KG)	40000 DJ	18000 DJ	3400 J	5300 DJ	3300 DJ	43000 DJ	23000 DJ	4800 DJ	6400 DJ
AROCLOR-1248 (UG/KG)	50 UJ	54 U	590 UJ	66 U	68 U	48 UJ	50 UJ	43 UJ	58 UJ
AROCLOR-1254 (UG/KG)	21000 DJ	4300 DJ	1300 J	1000 DJ	560	11000 DJ	12000 DJ	1900 DJ	800 J
AROCLOR-1260 (UG/KG)	9300 DJ	1200 DJ	380 J	220	180	4500 DJ	5200 DJ	860 DJ	740 DJ
PCB, TOTAL(UG/KG)	70300	23500	5080	6520	4040	58500	40200	7560	7940

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-18	SL015-18	SL015-19	SL015-19	SL015-19	SL015-19	SL015-19	SL015-19	SL015-20
Sample Date	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/26/01	07/25/01
X-Coordinate	12773116.581	12773116.581	12773058.773	12773058.773	12773058.773	12773058.773	12773058.773	12773058.773	12773018.838
Y-Coordinate	350090.034	350090.034	350105.673	350105.673	350105.673	350105.673	350105.673	350105.673	350145.608
Start Depth	36	48	0	6	12	24	36	48	0
End Depth	48	60	6	12	24	36	42	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	67 UJ	61 UJ	1000 U	1000 U	560 U	300 U	70 U	76 U	52 UJ
AROCLOR-1221 (UG/KG)	67 UJ	61 UJ	1000 U	1000 U	560 U	300 U	70 U	76 U	52 UJ
AROCLOR-1232 (UG/KG)	67 UJ	61 UJ	1000 U	1000 U	560 U	300 U	70 U	76 U	52 UJ
AROCLOR-1242 (UG/KG)	3700 DJ	2100 DJ	22000 DJ	27000 DJ	17000 DJ	1700 J	3500 DJ	590	25000 DJ
AROCLOR-1248 (UG/KG)	67 UJ	61 UJ	1000 U	1000 U	560 U	300 U	70 U	76 U	52 UJ
AROCLOR-1254 (UG/KG)	470 J	240 J	8100	6500	4700	490	1100 D	210 J	17000 DJ
AROCLOR-1260 (UG/KG)	220 J	120 J	2200	1700	1300	160 J	240	57 J	6400 DJ
PCB, TOTAL(UG/KG)	4390	2460	32300	35200	23000	2350	4840	857	48400

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-20	SL015-20	SL015-20	SL015-20	SL015-20	SL015-20	SL015-21	SL015-21	SL015-21
Sample Date	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/24/01	07/24/01	07/24/01
X-Coordinate	12773018.838	12773018.838	12773018.838	12773018.838	12773018.838	12773018.838	12773058.714	12773058.714	12773058.714
Y-Coordinate	350145.608	350145.608	350145.608	350145.608	350145.608	350145.608	350305.981	350305.981	350305.981
Start Depth	6	12	24	36	48	52	0	6	12
End Depth	12	24	36	48	52	60	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	47 UJ	45 U	57 U	62 U	41 U	69 U	49 UJ	43 UJ	51 UJ
AROCLOR-1221 (UG/KG)	47 UJ	45 U	57 U	62 U	41 U	69 U	49 UJ	43 UJ	51 UJ
AROCLOR-1232 (UG/KG)	47 UJ	45 U	57 U	62 U	41 U	69 U	49 UJ	43 UJ	51 UJ
AROCLOR-1242 (UG/KG)	9100 DJ	1100 DJ	840 DJ	530	15 J	200 J	260 J	330 J	510 DJ
AROCLOR-1248 (UG/KG)	47 UJ	45 U	57 U	62 U	41 U	69 U	49 UJ	43 UJ	51 UJ
AROCLOR-1254 (UG/KG)	8500 DJ	740 DJ	470	310	8.6 J	110 J	1700 DJ	1100 DJ	110 J
AROCLOR-1260 (UG/KG)	3800 DJ	250	250	96 J	41 U	30 J	360 J	360 J	63 J
PCB, TOTAL(UG/KG)	21400	2090	1560	936	23.6	340	2320	1790	683

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-21	SL015-21	SL015-21	SL015-21	SL015-22	SL015-22	SL015-22	SL015-22	SL015-22
Sample Date	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01
X-Coordinate	12773058.714	12773058.714	12773058.714	12773058.714	12772942.254	12772942.254	12772942.254	12772942.254	12772942.254
Y-Coordinate	350305.981	350305.981	350305.981	350305.981	350258.928	350258.928	350258.928	350258.928	350258.928
Start Depth	24	36	42	48	0	6	12	18	24
End Depth	36	42	48	54	6	12	18	24	30
Chemical Name									
AROCLOR-1016 (UG/KG)	62 UJ	65 UJ	39 UJ	40 UJ	49 UJ	46 UJ	51 UJ	50 UJ	52 UJ
AROCLOR-1221 (UG/KG)	62 UJ	65 UJ	39 UJ	40 UJ	49 UJ	46 UJ	51 UJ	50 UJ	52 UJ
AROCLOR-1232 (UG/KG)	62 UJ	65 UJ	39 UJ	40 UJ	49 UJ	46 UJ	51 UJ	50 UJ	52 UJ
AROCLOR-1242 (UG/KG)	18 J	440 J	7.8 J	17 J	12000 DJ	1400 DJ	810 DJ	1100 DJ	180 J
AROCLOR-1248 (UG/KG)	62 UJ	65 UJ	39 UJ	40 UJ	49 UJ	46 UJ	51 UJ	50 UJ	52 UJ
AROCLOR-1254 (UG/KG)	34 J	510 J	15 J	22 J	12000 DJ	2100 DJ	650 J	910 DJ	110 J
AROCLOR-1260 (UG/KG)	16 J	190 J	11 J	16 J	6300 DJ	1200 DJ	300 J	300 J	62 J
PCB, TOTAL(UG/KG)	68	1140	33.8	55	30300	4700	1760	2310	352

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-22	SL015-23	SL015-23	SL015-23	SL015-23	SL015-23	SL015-23	SL015-23-DP	SL015-24
Sample Date	07/24/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12772942.254	12772899.445	12772899.445	12772899.445	12772899.445	12772899.445	12772899.445	12772899.445	12772944.717
Y-Coordinate	350258.928	350146.166	350146.166	350146.166	350146.166	350146.166	350146.166	350146.166	350034.351
Start Depth	30	0	6	12	24	36	48	48	0
End Depth	48	6	12	24	36	48	60	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	59 UJ	49 U	54 U	49 U	60 U	67 U	62 U	66 U	47 U
AROCLOR-1221 (UG/KG)	59 UJ	49 U	54 U	49 U	60 U	67 U	62 U	66 U	47 U
AROCLOR-1232 (UG/KG)	59 UJ	49 U	54 U	49 U	60 U	67 U	62 U	66 U	47 U
AROCLOR-1242 (UG/KG)	520 J	22000 DJ	22000 DJ	7600 DJ	2400 DJ	180	590 DJ	180	2800 DJ
AROCLOR-1248 (UG/KG)	59 UJ	49 U	54 U	49 U	60 U	67 U	62 U	66 U	47 U
AROCLOR-1254 (UG/KG)	430 J	10000 DJ	10000 DJ	3200 DJ	530	96	260	75	2400 DJ
AROCLOR-1260 (UG/KG)	170 J	2900 DJ	3000 DJ	1000 DJ	250	28 J	78	21 J	1100 DJ
PCB, TOTAL(UG/KG)	1120	34900	35000	11800	3180	304	928	276	6300

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-24	SL015-24	SL015-24	SL015-24	SL015-24	SL015-25	SL015-25	SL015-25	SL015-25
Sample Date	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/26/01	07/26/01	07/26/01	07/26/01
X-Coordinate	12772944.717	12772944.717	12772944.717	12772944.717	12772944.717	12773058.638	12773058.638	12773058.638	12773058.638
Y-Coordinate	350034.351	350034.351	350034.351	350034.351	350034.351	349990.886	349990.886	349990.886	349990.886
Start Depth	6	12	24	36	48	0	6	12	24
End Depth	12	24	36	48	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	56 U	51 U	68 U	63 U	59 U	44 UJ	41 UJ	63 UJ	78 UJ
AROCLOR-1221 (UG/KG)	56 U	51 U	68 U	63 U	59 U	44 UJ	41 UJ	63 UJ	78 UJ
AROCLOR-1232 (UG/KG)	56 U	51 U	68 U	63 U	59 U	44 UJ	41 UJ	63 UJ	78 UJ
AROCLOR-1242 (UG/KG)	23000 DJ	43000 DJ	23000 DJ	2100 DJ	1100 DJ	1100 DJ	9900 DJ	51000 DJ	88000 DJ
AROCLOR-1248 (UG/KG)	56 U	51 U	68 U	63 U	59 U	44 UJ	41 UJ	63 UJ	78 UJ
AROCLOR-1254 (UG/KG)	10000 DJ	17000 DJ	11000 DJ	1600 DJ	370	430 J	3800 DJ	7900 DJ	18000 DJ
AROCLOR-1260 (UG/KG)	4200 DJ	6300 DJ	6100 DJ	580 DJ	120 J	200 J	1200 DJ	2700 DJ	7000 DJ
PCB, TOTAL(UG/KG)	37200	66300	40100	4280	1590	1730	14900	61600	113000

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-25-DP	SL015-25	SL015-25	SL015-26	SL015-26	SL015-26	SL015-26	SL015-26	SL015-26
Sample Date	07/26/01	07/26/01	07/26/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12773058.638	12773058.638	12773058.638	12773219.074	12773219.074	12773219.074	12773219.074	12773219.074	12773219.074
Y-Coordinate	349990.886	349990.886	349990.886	350145.621	350145.621	350145.621	350145.621	350145.621	350145.621
Start Depth	24	36	48	0	6	12	30	36	48
End Depth	36	48	65	6	12	24	36	48	60
Chemical Name									
AROCLOR-1016 (UG/KG)	74 UJ	89 UJ	88 UJ	50 U	50 U	53 U	59 U	64 U	61 U
AROCLOR-1221 (UG/KG)	74 UJ	89 UJ	88 UJ	50 U	50 U	53 U	59 U	64 U	61 U
AROCLOR-1232 (UG/KG)	74 UJ	89 UJ	88 UJ	50 U	50 U	53 U	59 U	64 U	61 U
AROCLOR-1242 (UG/KG)	35000 DJ	120000 DJ	62000 DJ	2200 DJ	2500 DJ	2200 DJ	780 DJ	280	110
AROCLOR-1248 (UG/KG)	74 UJ	89 UJ	88 UJ	50 U	50 U	53 U	59 U	64 U	61 U
AROCLOR-1254 (UG/KG)	7500 DJ	26000 DJ	23000 DJ	4400 DJ	2200 DJ	1900 DJ	550 J	140 J	54 J
AROCLOR-1260 (UG/KG)	2900 DJ	12000 DJ	11000 DJ	2200 DJ	900 DJ	620 DJ	200	71	15 J
PCB, TOTAL(UG/KG)	45400	158000	96000	8800	5600	4720	1530	491	179

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-27	SL015-27	SL015-27	SL015-27	SL015-27	SL015-27-DP	SL015-27	SL015-28	SL015-28
Sample Date	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12773147.948	12773147.948	12773147.948	12773147.948	12773147.948	12773147.948	12773147.948	12773374.031	12773374.031
Y-Coordinate	350278.921	350278.921	350278.921	350278.921	350278.921	350278.921	350278.921	350162.815	350162.815
Start Depth	0	6	12	24	36	36	46	0	6
End Depth	6	12	24	36	46	46	60	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	51 U	54 U	57 U	61 U	67 U	66 U	40 U	51 UJ	52 UJ
AROCLOR-1221 (UG/KG)	51 U	54 U	57 U	61 U	67 U	66 U	40 U	51 UJ	52 UJ
AROCLOR-1232 (UG/KG)	51 U	54 U	57 U	61 U	67 U	66 U	40 U	51 UJ	52 UJ
AROCLOR-1242 (UG/KG)	2800 DJ	1200 DJ	140 J	63 J	740 J	200 J	40 U	120 J	36 J
AROCLOR-1248 (UG/KG)	51 U	54 U	57 U	61 U	67 U	66 U	40 U	51 UJ	52 UJ
AROCLOR-1254 (UG/KG)	4700 DJ	1400 DJ	170	63	320	250	9.9 J	240 J	94 J
AROCLOR-1260 (UG/KG)	2400 DJ	320 J	110 J	27 J	130	110	4.1 J	220 J	84 J
PCB, TOTAL(UG/KG)	9900	2920	420	153	1190	560	14 J	580	214

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-28	SL015-28	SL015-28	SL015-28	SL015-28-DP	SL015-28	SL015-29	SL015-29	SL015-29
Sample Date	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12773374.031	12773374.031	12773374.031	12773374.031	12773374.031	12773374.031	12773287.223	12773287.223	12773287.223
Y-Coordinate	350162.815	350162.815	350162.815	350162.815	350162.815	350162.815	350372.508	350372.508	350372.508
Start Depth	12	24	42	44	44	48	0	6	12
End Depth	24	36	44	48	48	60	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	56 UJ	57 UJ	43 UJ	75 UJ	70 UJ	41 UJ	27 U	22 U	24 U
AROCLOR-1221 (UG/KG)	56 UJ	57 UJ	43 UJ	75 UJ	70 UJ	41 UJ	27 U	22 U	24 U
AROCLOR-1232 (UG/KG)	56 UJ	57 UJ	43 UJ	75 UJ	70 UJ	41 UJ	27 U	22 U	24 U
AROCLOR-1242 (UG/KG)	88 J	300 J	24 J	40 J	70 UJ	11 J	24 J	43	34
AROCLOR-1248 (UG/KG)	56 UJ	57 UJ	43 UJ	75 UJ	70 UJ	41 UJ	27 U	22 U	24 U
AROCLOR-1254 (UG/KG)	93 J	390 J	31 J	38 J	70 UJ	12 J	13 J	64	43
AROCLOR-1260 (UG/KG)	61 J	140 J	20 J	24 J	70 UJ	6.6 J	16 J	92	36
PCB, TOTAL(UG/KG)	242	830	75	102	70 UJ	29.6	53 J	199	113

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-29	SL015-29	SL015-30	SL015-30	SL015-30	SL015-30	SL015-30	SL015-30	SL015-30
Sample Date	07/25/01	07/25/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01
X-Coordinate	12773287.223	12773287.223	12773038.156	12773038.156	12773038.156	12773038.156	12773038.156	12773038.156	12773038.156
Y-Coordinate	350372.508	350372.508	350465.315	350465.315	350465.315	350465.315	350465.315	350465.315	350465.315
Start Depth	18	24	0	6	12	24	33	36	48
End Depth	24	36	6	12	24	33	36	48	60
Chemical Name									
AROCLOR-1016 (UG/KG)	19 U	18 U	48 UJ	51 UJ	55 UJ	52 UJ	36 UJ	37 UJ	37 UJ
AROCLOR-1221 (UG/KG)	19 U	18 U	48 UJ	51 UJ	55 UJ	52 UJ	36 UJ	37 UJ	37 UJ
AROCLOR-1232 (UG/KG)	19 U	18 U	48 UJ	51 UJ	55 UJ	52 UJ	36 UJ	37 UJ	37 UJ
AROCLOR-1242 (UG/KG)	13 J	7.3 J	450 J	160 J	410 J	120 J	130 J	260 J	92 J
AROCLOR-1248 (UG/KG)	19 U	18 U	48 UJ	51 UJ	55 UJ	52 UJ	36 UJ	37 UJ	37 UJ
AROCLOR-1254 (UG/KG)	17 J	5.3 J	510 J	330 J	320 J	130 J	92 J	160 J	76 J
AROCLOR-1260 (UG/KG)	9.1 J	2.3 J	360 J	230 J	240 J	69 J	54 J	89 J	54 J
PCB, TOTAL(UG/KG)	39.1 J	14.9 J	1320	720	970	319	276	509	222

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-30-DP	SL015-31	SL015-31	SL015-31	SL015-31	SL015-31-DP	SL015-31	SL015-31-DP	SL015-31
Sample Date	07/24/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/26/01	07/25/01	07/25/01
X-Coordinate	12773038.156	12772739.180	12772739.180	12772739.180	12772739.180	12772739.180	12772739.180	12772739.180	12772739.180
Y-Coordinate	350465.315	350145.242	350145.242	350145.242	350145.242	350145.242	350145.242	350145.242	350145.242
Start Depth	48	0	6	12	24	24	36	36	48
End Depth	60	6	12	24	36	36	48	48	60
Chemical Name									
AROCLOR-1016 (UG/KG)	38 UJ	45 U	53 UJ	500 UJ	730 UJ	740 UJ	66 UJ	64 UJ	82 UJ
AROCLOR-1221 (UG/KG)	38 UJ	45 U	53 UJ	500 UJ	730 UJ	740 UJ	66 UJ	64 UJ	82 UJ
AROCLOR-1232 (UG/KG)	38 UJ	45 U	53 UJ	500 UJ	730 UJ	740 UJ	66 UJ	64 UJ	82 UJ
AROCLOR-1242 (UG/KG)	38 UJ	13000 DJ	66000 DJ	60000 DJ	23000 DJ	26000 DJ	1600 DJ	900 D	30 J
AROCLOR-1248 (UG/KG)	38 UJ	45 U	53 UJ	500 UJ	730 UJ	740 UJ	66 UJ	64 UJ	82 UJ
AROCLOR-1254 (UG/KG)	35 J	6300 DJ	25000 DJ	17000 DJ	8400 DJ	5800 J	360 J	190 J	82 UJ
AROCLOR-1260 (UG/KG)	27 J	2500 DJ	6400 DJ	2900 J	1800 J	2200 J	120 J	71 J	82 UJ
PCB, TOTAL (UG/KG)	62	21800	97400	79900	33200	34000	2080	1161	30

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-31	SL015-32	SL015-32	SL015-32	SL015-32	SL015-32-DP	SL015-32	SL015-32	SL015-33
Sample Date	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12772739.180	12773174.774	12773174.774	12773174.774	12773174.774	12773174.774	12773174.774	12773174.774	12772832.927
Y-Coordinate	350145.242	350033.976	350033.976	350033.976	350033.976	350033.976	350033.976	350033.976	350372.723
Start Depth	60	0	6	12	24	24	36	48	0
End Depth	70	6	12	24	36	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	69 UJ	54 U	49 U	56 U	77 U	51 U	47 U	48 U	51 UJ
AROCLOR-1221 (UG/KG)	69 UJ	54 U	49 U	56 U	77 U	51 U	47 U	48 U	51 UJ
AROCLOR-1232 (UG/KG)	69 UJ	54 U	49 U	56 U	77 U	51 U	47 U	48 U	51 UJ
AROCLOR-1242 (UG/KG)	69 UJ	29000 DJ	70000 DJ	55000 DJ	25000 DJ	8800 DJ	450	210	48000 DJ
AROCLOR-1248 (UG/KG)	69 UJ	54 U	49 U	56 U	77 U	51 U	47 U	48 U	51 UJ
AROCLOR-1254 (UG/KG)	69 UJ	14000 DJ	15000 DJ	11000 DJ	9300 DJ	4300 DJ	200	69	18000 DJ
AROCLOR-1260 (UG/KG)	69 UJ	5500 DJ	4700 DJ	4200 DJ	3900 DJ	1800 DJ	100	33 J	5400 DJ
PCB, TOTAL (UG/KG)	69 UJ	48500	89700	70200	38200	14900	750	312	71400

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-11

Phase II- Grid 1- SL015 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL015-33	SL015-33	SL015-33	SL015-33	SL015-33
Sample Date	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01
X-Coordinate	12772832.927	12772832.927	12772832.927	12772832.927	12772832.927
Y-Coordinate	350372.723	350372.723	350372.723	350372.723	350372.723
Start Depth	6	12	24	36	48
End Depth	12	24	36	48	60
Chemical Name					
AROCLOR-1016 (UG/KG)	53 UJ	55 UJ	58 UJ	63 UJ	61 UJ
AROCLOR-1221 (UG/KG)	53 UJ	55 UJ	58 UJ	63 UJ	61 UJ
AROCLOR-1232 (UG/KG)	53 UJ	55 UJ	58 UJ	63 UJ	61 UJ
AROCLOR-1242 (UG/KG)	16000 DJ	3700 DJ	2400 DJ	2100 DJ	3000 DJ
AROCLOR-1248 (UG/KG)	53 UJ	55 UJ	58 UJ	63 UJ	61 UJ
AROCLOR-1254 (UG/KG)	8200 DJ	2400 DJ	400 J	390 J	320 J
AROCLOR-1260 (UG/KG)	3200 DJ	940 DJ	170 J	130 J	240 DJ
PCB, TOTAL (UG/KG)	27400	7040	2970	2620	3560

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-1	SL029-1	SL029-1	SL029-1	SL029-1	SL029-1-DP	SL029-1	SL029-1	SL029-1
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235
Y-Coordinate	350525.417	350525.417	350525.417	350525.417	350525.417	350525.417	350525.417	350525.417	350525.417
Start Depth	0	6	12	18	24	24	36	48	54
End Depth	6	12	18	24	36	36	48	54	60
Chemical Name									
AROCLOR-1016 (UG/KG)	240 U	61 UJ	45 UJ	50 UJ	43 UJ	52 UJ	59 UJ	65 UJ	46 UJ
AROCLOR-1221 (UG/KG)	240 U	61 UJ	45 UJ	50 UJ	43 UJ	52 UJ	59 UJ	65 UJ	46 UJ
AROCLOR-1232 (UG/KG)	240 U	61 UJ	45 UJ	50 UJ	43 UJ	52 UJ	59 UJ	65 UJ	46 UJ
AROCLOR-1242 (UG/KG)	700	170 J	34 J	88 J	71 J	39 J	85 J	55 J	21 J
AROCLOR-1248 (UG/KG)	240 U	61 UJ	45 UJ	50 UJ	43 UJ	52 UJ	59 UJ	65 UJ	46 UJ
AROCLOR-1254 (UG/KG)	1300 J	700 J	480 J	210 J	150 J	450 J	150 J	100 J	48 J
AROCLOR-1260 (UG/KG)	520	250 J	210 J	94 J	53 J	160 J	49 J	37 J	17 J
PCB, TOTAL (UG/KG)	2520	1120	724	392	274	649	284	192	86

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-2	SL029-2	SL029-2	SL029-2	SL029-2	SL029-2	SL029-2	SL029-2	SL029-3
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774558.235	12774565.469
Y-Coordinate	350518.520	350518.520	350518.520	350518.520	350518.520	350518.520	350518.520	350518.520	350518.445
Start Depth	0	6	12	24	36	42	48	54	0
End Depth	6	12	24	36	42	48	54	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	530 UJ	430 UJ	480 UJ	48 U	50 U	67 U	71 U	49 U	2600 U
AROCLOR-1221 (UG/KG)	530 UJ	430 UJ	480 UJ	48 U	50 U	67 U	71 U	49 U	2600 U
AROCLOR-1232 (UG/KG)	530 UJ	430 UJ	480 UJ	48 U	50 U	67 U	71 U	49 U	2600 U
AROCLOR-1242 (UG/KG)	4400 DJ	600 J	340 J	73 J	68	33 J	29 J	29 J	10000 J
AROCLOR-1248 (UG/KG)	530 UJ	430 UJ	480 UJ	48 U	50 U	67 U	71 U	49 U	2600 U
AROCLOR-1254 (UG/KG)	6100 DJ	1000 J	670 J	81 J	130	53 J	41 J	72 J	11000 J
AROCLOR-1260 (UG/KG)	3100 DJ	560 J	380 J	42 J	53	24 J	19 J	35 J	5900 J
PCB, TOTAL (UG/KG)	13600	2160	1390	196	251	110	89	136	26900

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-3	SL029-3	SL029-3	SL029-3-DP	SL029-3	SL029-3	SL029-3	SL029-3	SL029-4
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774565.469	12774565.469	12774565.469	12774565.469	12774565.469	12774565.469	12774565.469	12774565.469	12774565.394
Y-Coordinate	350518.445	350518.445	350518.445	350518.445	350518.445	350518.445	350518.445	350518.445	350525.492
Start Depth	6	12	24	24	36	44	48	54	0
End Depth	12	24	36	36	44	48	54	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	43 UJ	46 UJ	430 U	420 U	48 U	67 U	60 U	49 U	530 U
AROCLOR-1221 (UG/KG)	43 UJ	46 UJ	430 U	420 U	48 U	67 U	60 U	49 U	530 U
AROCLOR-1232 (UG/KG)	43 UJ	46 UJ	430 U	420 U	48 U	67 U	60 U	49 U	530 U
AROCLOR-1242 (UG/KG)	880 DJ	320 J	400 J	310 J	140	67 U	120	110	530 U
AROCLOR-1248 (UG/KG)	43 UJ	46 UJ	430 U	420 U	48 U	67 U	60 U	49 U	530 U
AROCLOR-1254 (UG/KG)	1700 DJ	440 J	510	500 J	150	39 J	120	150	3800 J
AROCLOR-1260 (UG/KG)	1800 DJ	250 J	210 J	260 J	88	20 J	58 J	74	2100 J
PCB, TOTAL (UG/KG)	4380	1010	1120	1070	378	59	298	334	5900

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-4	SL029-4	SL029-4	SL029-4	SL029-4	SL029-4	SL029-4	SL029-5	SL029-5
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	07/31/01	07/31/01
X-Coordinate	12774565.394	12774565.394	12774565.394	12774565.394	12774565.394	12774565.394	12774565.394	12774561.795	12774561.795
Y-Coordinate	350525.492	350525.492	350525.492	350525.492	350525.492	350525.492	350525.492	350532.014	350532.014
Start Depth	6	12	18	24	36	48	54	0	6
End Depth	12	18	24	36	48	54	60	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	420 U	450 U	550 U	48 U	66 U	62 U	44 U	520 U	470 U
AROCLOR-1221 (UG/KG)	420 U	450 U	550 U	48 U	66 U	62 U	44 U	520 U	470 U
AROCLOR-1232 (UG/KG)	420 U	450 U	550 U	48 U	66 U	62 U	44 U	520 U	470 U
AROCLOR-1242 (UG/KG)	840 J	950	550 U	150	130	71 J	75	3900 J	1500 J
AROCLOR-1248 (UG/KG)	420 U	450 U	550 U	48 U	66 U	62 U	44 U	520 U	470 U
AROCLOR-1254 (UG/KG)	1700 J	1400	730 J	150	120	95	97	11000 DJ	2700 J
AROCLOR-1260 (UG/KG)	890 J	690 J	420 J	85	56 J	54 J	53	6000 DJ	1500 J
PCB, TOTAL (UG/KG)	3430	3040	1150	385	306	220	225	20900	5700

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-5	SL029-5	SL029-5	SL029-5	SL029-5	SL029-6	SL029-6	SL029-6	SL029-6
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774561.795	12774561.795	12774561.795	12774561.795	12774561.795	12774551.825	12774551.825	12774551.825	12774551.825
Y-Coordinate	350532.014	350532.014	350532.014	350532.014	350532.014	350521.968	350521.968	350521.968	350521.968
Start Depth	12	18	24	36	48	0	6	12	24
End Depth	18	24	36	48	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	830 U	550 U	530 U	630 U	470 U	500 U	420 U	52 UJ	45 UJ
AROCLOR-1221 (UG/KG)	830 U	550 U	530 U	630 U	470 U	500 U	420 U	52 UJ	45 UJ
AROCLOR-1232 (UG/KG)	830 U	550 U	530 U	630 U	470 U	500 U	420 U	52 UJ	45 UJ
AROCLOR-1242 (UG/KG)	790 J	590	180 J	220 J	140 J	1400 DJ	420 U	130 J	47 J
AROCLOR-1248 (UG/KG)	830 U	550 U	530 U	630 U	470 U	500 U	420 U	52 UJ	45 UJ
AROCLOR-1254 (UG/KG)	1100	770	270 J	290 J	390 J	5100 DJ	770 J	380 J	110 J
AROCLOR-1260 (UG/KG)	650 J	410 J	130 J	140 J	230 J	2700 DJ	410 J	190 J	55 J
PCB, TOTAL (UG/KG)	2540	1770	580	650	760	9200	1180	700	212

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-6	SL029-6	SL029-6-DP	SL029-6	SL029-6	SL029-7	SL029-7	SL029-7	SL029-7
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774551.825	12774551.825	12774551.825	12774551.825	12774551.825	12774571.878	12774571.878	12774571.878	12774571.878
Y-Coordinate	350521.968	350521.968	350521.968	350521.968	350521.968	350522.006	350522.006	350522.006	350522.006
Start Depth	36	42	42	48	54	0	6	12	24
End Depth	42	48	48	54	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	47 UJ	59 UJ	60 UJ	63 UJ	41 UJ	490 U	420 U	560 U	40 UJ
AROCLOR-1221 (UG/KG)	47 UJ	59 UJ	60 UJ	63 UJ	41 UJ	490 U	420 U	560 U	40 UJ
AROCLOR-1232 (UG/KG)	47 UJ	59 UJ	60 UJ	63 UJ	41 UJ	490 U	420 U	560 U	40 UJ
AROCLOR-1242 (UG/KG)	47 UJ	26 J	60 UJ	63 UJ	26 J	880 J	420 U	560 U	45 J
AROCLOR-1248 (UG/KG)	47 UJ	59 UJ	60 UJ	63 UJ	41 UJ	490 U	420 U	560 U	40 UJ
AROCLOR-1254 (UG/KG)	27 J	39 J	20 J	18 J	58 J	3900 J	1000 J	910	100 J
AROCLOR-1260 (UG/KG)	13 J	18 J	8.1 J	7.9 J	28 J	2200 J	560	490 J	50 J
PCB, TOTAL (UG/KG)	40	83	28.1	25.9	112	6980	1560	1400	195

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-7	SL029-7	SL029-8	SL029-8	SL029-8	SL029-8	SL029-8	SL029-8	SL029-8
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774571.878	12774571.878	12774561.814	12774561.814	12774561.814	12774561.814	12774561.814	12774561.814	12774561.814
Y-Coordinate	350522.006	350522.006	350511.961	350511.961	350511.961	350511.961	350511.961	350511.961	350511.961
Start Depth	36	48	0	6	12	24	30	42	48
End Depth	48	60	6	12	24	30	42	48	54
Chemical Name									
AROCLOR-1016 (UG/KG)	53 UJ	670 U	54 UJ	4900 U	560 U	45 U	49 U	70 UJ	69 UJ
AROCLOR-1221 (UG/KG)	53 UJ	670 U	54 UJ	4900 U	560 U	45 U	49 U	70 UJ	69 UJ
AROCLOR-1232 (UG/KG)	53 UJ	670 U	54 UJ	4900 U	560 U	45 U	49 U	70 UJ	69 UJ
AROCLOR-1242 (UG/KG)	23 J	270 J	3000 DJ	2000 J	510 J	54	76	70 UJ	69 UJ
AROCLOR-1248 (UG/KG)	53 UJ	670 U	54 UJ	4900 U	560 U	45 U	49 U	70 UJ	69 UJ
AROCLOR-1254 (UG/KG)	43 J	650 J	8400 DJ	4100 J	730 J	59	84	25 J	69 UJ
AROCLOR-1260 (UG/KG)	19 J	320 J	9700 DJ	3700 J	390 J	33 J	45 J	70 UJ	69 UJ
PCB, TOTAL (UG/KG)	85	1240	21100	9800	1630	146	205	25	69 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-8	SL029-9	SL029-9	SL029-9	SL029-9	SL029-9	SL029-9	SL029-9	SL029-9
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774561.814	12774547.496	12774547.496	12774547.496	12774547.496	12774547.496	12774547.496	12774547.496	12774547.496
Y-Coordinate	350511.961	350507.950	350507.950	350507.950	350507.950	350507.950	350507.950	350507.950	350507.950
Start Depth	54	0	6	12	24	30	36	48	54
End Depth	60	6	12	24	30	36	48	54	60
Chemical Name									
AROCLOR-1016 (UG/KG)	53 UJ	470 U	510 U	56 UJ	51 UJ	470 U	57 U	62 U	61 U
AROCLOR-1221 (UG/KG)	53 UJ	470 U	510 U	56 UJ	51 UJ	470 U	57 U	62 U	61 U
AROCLOR-1232 (UG/KG)	53 UJ	470 U	510 U	56 UJ	51 UJ	470 U	57 U	62 U	61 U
AROCLOR-1242 (UG/KG)	15 J	680 J	430 J	83 J	73 J	220 J	32 J	51 J	63 J
AROCLOR-1248 (UG/KG)	53 UJ	470 U	510 U	56 UJ	51 UJ	470 U	57 U	62 U	61 U
AROCLOR-1254 (UG/KG)	27 J	2400 J	1000 J	270 J	250 J	480	48 J	69	96
AROCLOR-1260 (UG/KG)	11 J	1300 J	580 J	150 J	120 J	240 J	27 J	33 J	58 J
PCB, TOTAL (UG/KG)	53	4380	2010	503	443	940	107	153	217

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-9-DP	SL029-10	SL029-10	SL029-10	SL029-10	SL029-10	SL029-10	SL029-10	SL029-10
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774547.496	12774547.421	12774547.421	12774547.421	12774547.421	12774547.421	12774547.421	12774547.421	12774547.421
Y-Coordinate	350507.950	350535.837	350535.837	350535.837	350535.837	350535.837	350535.837	350535.837	350535.837
Start Depth	54	0	6	12	24	30	36	48	54
End Depth	60	6	12	24	30	36	48	54	60
Chemical Name									
AROCLOR-1016 (UG/KG)	65 U	460 U	420 U	48 U	55 U	46 U	53 U	60 U	44 U
AROCLOR-1221 (UG/KG)	65 U	460 U	420 U	48 U	55 U	46 U	53 U	60 U	44 U
AROCLOR-1232 (UG/KG)	65 U	460 U	420 U	48 U	55 U	46 U	53 U	60 U	44 U
AROCLOR-1242 (UG/KG)	54 J	460 U	420 U	220	160	46 U	53 U	60 U	44 U
AROCLOR-1248 (UG/KG)	65 U	460 U	420 U	48 U	55 U	46 U	53 U	60 U	44 U
AROCLOR-1254 (UG/KG)	140	2300 J	990 J	300	220	36 J	45 J	60 U	44 U
AROCLOR-1260 (UG/KG)	85	1200 J	660 J	160	110	19 J	20 J	60 U	44 U
PCB, TOTAL (UG/KG)	279	3500	1650	680	490	55	65	60 U	44 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-11	SL029-11	SL029-11	SL029-11	SL029-11	SL029-11	SL029-11	SL029-12	SL029-12
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	08/01/01	08/01/01
X-Coordinate	12774576.039	12774576.039	12774576.039	12774576.039	12774576.039	12774576.039	12774576.039	12774576.189	12774576.189
Y-Coordinate	350535.987	350535.987	350535.987	350535.987	350535.987	350535.987	350535.987	350508.137	350508.137
Start Depth	0	6	12	18	24	36	48	0	6
End Depth	6	12	18	24	36	48	60	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	48 UJ	41 UJ	39 UJ	46 UJ	49 UJ	55 UJ	46 UJ	52 UJ	520 U
AROCLOR-1221 (UG/KG)	48 UJ	41 UJ	39 UJ	46 UJ	49 UJ	55 UJ	46 UJ	52 UJ	520 U
AROCLOR-1232 (UG/KG)	48 UJ	41 UJ	39 UJ	46 UJ	49 UJ	55 UJ	46 UJ	52 UJ	520 U
AROCLOR-1242 (UG/KG)	8100 DJ	320 J	130 J	270 J	150 J	110 J	46 UJ	2000 DJ	440 J
AROCLOR-1248 (UG/KG)	48 UJ	41 UJ	39 UJ	46 UJ	49 UJ	55 UJ	46 UJ	52 UJ	520 U
AROCLOR-1254 (UG/KG)	7100 DJ	990 D	440 DJ	610 D	260 J	270 J	41 J	4300 DJ	600 J
AROCLOR-1260 (UG/KG)	2800 DJ	540 D	200 J	340 J	99 J	100 J	23 J	3800 DJ	300 J
PCB, TOTAL (UG/KG)	18000	1850	770	1220	509	480	64	10100	1340

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-12	SL029-12	SL029-12	SL029-12	SL029-12-DP	SL029-12	SL029-13	SL029-13	SL029-13
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774576.189	12774576.189	12774576.189	12774576.189	12774576.189	12774576.189	12774561.816	12774561.816	12774561.816
Y-Coordinate	350508.137	350508.137	350508.137	350508.137	350508.137	350508.137	350562.140	350562.140	350562.140
Start Depth	12	18	24	36	36	48	0	6	12
End Depth	18	24	36	48	48	60	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	62 UJ	580 U	60 U	70 U	68 U	44 UJ	390 UJ	37 UJ	37 UJ
AROCLOR-1221 (UG/KG)	62 UJ	580 U	60 U	70 U	68 U	44 UJ	390 UJ	37 UJ	37 UJ
AROCLOR-1232 (UG/KG)	62 UJ	580 U	60 U	70 U	68 U	44 UJ	390 UJ	37 UJ	37 UJ
AROCLOR-1242 (UG/KG)	360 J	970 J	130	58 J	46 J	44 UJ	1300 J	75 J	130 J
AROCLOR-1248 (UG/KG)	62 UJ	580 U	60 U	70 U	68 U	44 UJ	390 UJ	37 UJ	37 UJ
AROCLOR-1254 (UG/KG)	490 J	1400 J	200	78	56 J	13 J	3800 J	97 J	270 J
AROCLOR-1260 (UG/KG)	290 J	730 J	120	43 J	33 J	5 J	1200 J	42 J	130 J
PCB, TOTAL (UG/KG)	1140	3100	450	179	135	18	6300	214	530

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-13	SL029-13	SL029-13	SL029-13	SL029-13-DP	SL029-13	SL029-13	SL029-14	SL029-14
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774561.816	12774561.816	12774561.816	12774561.816	12774561.816	12774561.816	12774561.816	12774618.786	12774618.786
Y-Coordinate	350562.140	350562.140	350562.140	350562.140	350562.140	350562.140	350562.140	350578.058	350578.058
Start Depth	24	30	33	36	36	48	54	0	6
End Depth	30	33	36	48	48	54	60	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	44 UJ	54 UJ	48 UJ	50 UJ	50 U	66 U	44 U	430 U	370 U
AROCLOR-1221 (UG/KG)	44 UJ	54 UJ	48 UJ	50 UJ	50 U	66 U	44 U	430 U	370 U
AROCLOR-1232 (UG/KG)	44 UJ	54 UJ	48 UJ	50 UJ	50 U	66 U	44 U	430 U	370 U
AROCLOR-1242 (UG/KG)	340 J	76 J	72 J	170 J	260	34 J	52	12000 DJ	1400 J
AROCLOR-1248 (UG/KG)	44 UJ	54 UJ	48 UJ	50 UJ	50 U	66 U	44 U	430 U	370 U
AROCLOR-1254 (UG/KG)	260 J	64 J	290 J	310 J	190	40 J	32 J	7100 DJ	1000 J
AROCLOR-1260 (UG/KG)	87 J	54 UJ	77 J	120 J	89	21 J	18 J	2400 J	500 J
PCB, TOTAL (UG/KG)	687	140	439	600	539	95	102	21500	2900

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-14	SL029-14	SL029-14	SL029-14	SL029-14-DP	SL029-14	SL029-14	SL029-14	SL029-15
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01
X-Coordinate	12774618.786	12774618.786	12774618.786	12774618.786	12774618.786	12774618.786	12774618.786	12774618.786	12774602.030
Y-Coordinate	350578.058	350578.058	350578.058	350578.058	350578.058	350578.058	350578.058	350578.058	350522.205
Start Depth	12	18	24	30	30	36	42	48	0
End Depth	18	24	30	36	36	42	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	430 U	510 U	55 U	510 U	510 U	54 U	49 U	440 U	560 U
AROCLOR-1221 (UG/KG)	430 U	510 U	55 U	510 U	510 U	54 U	49 U	440 U	560 U
AROCLOR-1232 (UG/KG)	430 U	510 U	55 U	510 U	510 U	54 U	49 U	440 U	560 U
AROCLOR-1242 (UG/KG)	1100	520	240	1100 J	1300 J	240 J	240 J	590 J	560 U
AROCLOR-1248 (UG/KG)	430 U	510 U	55 U	510 U	510 U	54 U	49 U	440 U	560 U
AROCLOR-1254 (UG/KG)	620 J	390	180	910	970 J	210	170	450 J	1800 J
AROCLOR-1260 (UG/KG)	280 J	240 J	77	450 J	460 J	91	75	220 J	1100 J
PCB, TOTAL (UG/KG)	2000	1150	497	2460	2730	541	485	1260	2900

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-15	SL029-15	SL029-15	SL029-15-DP	SL029-15	SL029-15	SL029-15	SL029-16	SL029-16
Sample Date	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	08/01/01	07/30/01	07/30/01
X-Coordinate	12774602.030	12774602.030	12774602.030	12774602.030	12774602.030	12774602.030	12774602.030	12774504.566	12774504.566
Y-Coordinate	350522.205	350522.205	350522.205	350522.205	350522.205	350522.205	350522.205	350577.779	350577.779
Start Depth	6	12	24	24	36	48	54	0	6
End Depth	12	24	36	36	48	54	60	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	510 U	46 U	55 U	54 U	68 U	78 U	39 U	36 U	38 U
AROCLOR-1221 (UG/KG)	510 U	46 U	55 U	54 U	68 U	78 U	39 U	36 U	38 U
AROCLOR-1232 (UG/KG)	510 U	46 U	55 U	54 U	68 U	78 U	39 U	36 U	38 U
AROCLOR-1242 (UG/KG)	510 U	170 J	100	160	16 J	78 U	39 U	900 DJ	490 DJ
AROCLOR-1248 (UG/KG)	510 U	46 U	55 U	54 U	68 U	78 U	39 U	36 U	38 U
AROCLOR-1254 (UG/KG)	600	220	99	160	43 J	78 U	39 U	440	340 D
AROCLOR-1260 (UG/KG)	410 J	120	53 J	91	31 J	78 U	39 U	140	180
PCB, TOTAL (UG/KG)	1010	510	252	411	90	78 U	39 U	1480	1010

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-16	SL029-16	SL029-16	SL029-16	SL029-16-DP	SL029-17	SL029-17	SL029-17	SL029-17
Sample Date	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774504.566	12774504.566	12774504.566	12774504.566	12774504.566	12774504.845	12774504.845	12774504.845	12774504.845
Y-Coordinate	350577.779	350577.779	350577.779	350577.779	350577.779	350466.352	350466.352	350466.352	350466.352
Start Depth	12	24	36	48	48	0	6	12	24
End Depth	24	36	48	60	60	6	12	24	35
Chemical Name									
AROCLOR-1016 (UG/KG)	38 U	94 U	48 U	75 U	40 U	560 U	360 U	550 U	560 U
AROCLOR-1221 (UG/KG)	38 U	94 U	48 U	75 U	40 U	560 U	360 U	550 U	560 U
AROCLOR-1232 (UG/KG)	38 U	94 U	48 U	75 U	40 U	560 U	360 U	550 U	560 U
AROCLOR-1242 (UG/KG)	96	180 J	48 U	140 J	40 U	13000 DJ	830 J	430 J	310 J
AROCLOR-1248 (UG/KG)	38 U	94 U	48 U	75 U	40 U	560 U	360 U	550 U	560 U
AROCLOR-1254 (UG/KG)	63	130	41 J	56 J	21 J	17000 DJ	1000 J	590 J	480 J
AROCLOR-1260 (UG/KG)	35 J	46 J	13 J	22 J	6.8 J	7900 DJ	550 J	380 J	270 J
PCB, TOTAL (UG/KG)	194	356	54	218	27.8	37900	2380	1400	1060

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-17-DP	SL029-17	SL029-17	SL029-17	SL029-18	SL029-18	SL029-18	SL029-18	SL029-18
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01
X-Coordinate	12774504.845	12774504.845	12774504.845	12774504.845	12774619.624	12774619.624	12774619.624	12774619.624	12774619.624
Y-Coordinate	350466.352	350466.352	350466.352	350466.352	350466.073	350466.073	350466.073	350466.073	350466.073
Start Depth	24	35	42	48	0	6	12	24	30
End Depth	35	42	48	60	6	12	24	30	36
Chemical Name									
AROCLOR-1016 (UG/KG)	56 UJ	42 UJ	59 UJ	690 U	40 U	39 U	49 U	46 U	50 U
AROCLOR-1221 (UG/KG)	56 UJ	42 UJ	59 UJ	690 U	40 U	39 U	49 U	46 U	50 U
AROCLOR-1232 (UG/KG)	56 UJ	42 UJ	59 UJ	690 U	40 U	39 U	49 U	46 U	50 U
AROCLOR-1242 (UG/KG)	150 J	42 UJ	27 J	200 J	990 DJ	1800 DJ	250 J	46 U	140 J
AROCLOR-1248 (UG/KG)	56 UJ	42 UJ	59 UJ	690 U	40 U	39 U	49 U	46 U	50 U
AROCLOR-1254 (UG/KG)	240 J	15 J	42 J	270 J	2400 DJ	1800 DJ	400	220	230
AROCLOR-1260 (UG/KG)	160 J	7.8 J	21 J	130 J	990 DJ	800 DJ	160	72	81
PCB, TOTAL (UG/KG)	550	22.8	90	600	4380	4400	810	292	451

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-18	SL029-18-DP	SL029-18	SL029-19	SL029-19	SL029-19	SL029-19-DP	SL029-19	SL029-19
Sample Date	07/30/01	07/30/01	07/30/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774619.624	12774619.624	12774619.624	12774561.816	12774561.816	12774561.816	12774561.816	12774561.816	12774561.816
Y-Coordinate	350466.073	350466.073	350466.073	350481.712	350481.712	350481.712	350481.712	350481.712	350481.712
Start Depth	36	36	48	0	6	12	12	24	36
End Depth	48	48	60	6	12	24	24	36	42
Chemical Name									
AROCLOR-1016 (UG/KG)	34 U	39 U	40 U	51 UJ	50 UJ	54 UJ	54 UJ	49 UJ	53 UJ
AROCLOR-1221 (UG/KG)	34 U	39 U	40 U	51 UJ	50 UJ	54 UJ	54 UJ	49 UJ	53 UJ
AROCLOR-1232 (UG/KG)	34 U	39 U	40 U	51 UJ	50 UJ	54 UJ	54 UJ	49 UJ	53 UJ
AROCLOR-1242 (UG/KG)	69	39 U	40 U	70 J	820 DJ	350 J	47 J	140 J	53 UJ
AROCLOR-1248 (UG/KG)	34 U	39 U	40 U	51 UJ	50 UJ	54 UJ	54 UJ	49 UJ	53 UJ
AROCLOR-1254 (UG/KG)	100	41	45	150 J	2300 DJ	970 D	110 J	370 J	100 J
AROCLOR-1260 (UG/KG)	36	15 J	15 J	70 J	860 DJ	460 D	46 J	210 J	36 J
PCB, TOTAL (UG/KG)	205	56	60	290	3980	1780	203	720	136

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-19	SL029-19	SL029-19	SL029-20	SL029-20	SL029-20	SL029-20	SL029-20	SL029-20
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774561.816	12774561.816	12774561.816	12774524.585	12774524.585	12774524.585	12774524.585	12774524.585	12774524.585
Y-Coordinate	350481.712	350481.712	350481.712	350512.274	350512.274	350512.274	350512.274	350512.274	350512.274
Start Depth	42	48	54	0	6	12	18	30	42
End Depth	48	54	60	6	12	18	24	42	48
Chemical Name									
AROCLOR-1016 (UG/KG)	72 UJ	71 UJ	40 UJ	530 UJ	430 UJ	47 UJ	55 UJ	53 UJ	57 UJ
AROCLOR-1221 (UG/KG)	72 UJ	71 UJ	40 UJ	530 UJ	430 UJ	47 UJ	55 UJ	53 UJ	57 UJ
AROCLOR-1232 (UG/KG)	72 UJ	71 UJ	40 UJ	530 UJ	430 UJ	47 UJ	55 UJ	53 UJ	57 UJ
AROCLOR-1242 (UG/KG)	72 UJ	71 UJ	40 UJ	1700 J	630 J	51 J	46 J	53 UJ	57 UJ
AROCLOR-1248 (UG/KG)	72 UJ	71 UJ	40 UJ	530 UJ	430 UJ	47 UJ	55 UJ	53 UJ	57 UJ
AROCLOR-1254 (UG/KG)	72 UJ	110 J	9.7 J	3900 J	1200 J	300 J	120 J	76 J	52 J
AROCLOR-1260 (UG/KG)	72 UJ	71 UJ	40 UJ	1900 J	610 J	160 J	61 J	36 J	22 J
PCB, TOTAL (UG/KG)	72	110	9.7	7500	2440	511	227	112	74

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-20	SL029-21	SL029-21	SL029-21	SL029-21-DP	SL029-21	SL029-21	SL029-21	SL029-22
Sample Date	07/31/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01
X-Coordinate	12774524.585	12774561.757	12774561.757	12774561.757	12774561.757	12774561.757	12774561.757	12774561.757	12774446.669
Y-Coordinate	350512.274	350682.020	350682.020	350682.020	350682.020	350682.020	350682.020	350682.020	350633.475
Start Depth	48	0	6	12	12	24	36	48	0
End Depth	60	6	12	24	24	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	55 UJ	60 U	42 U	48 U	48 U	41 U	44 U	51 U	45 U
AROCLOR-1221 (UG/KG)	55 UJ	60 U	42 U	48 U	48 U	41 U	44 U	51 U	45 U
AROCLOR-1232 (UG/KG)	55 UJ	60 U	42 U	48 U	48 U	41 U	44 U	51 U	45 U
AROCLOR-1242 (UG/KG)	55 UJ	680 DJ	65 J	240 J	210 J	41 U	20 J	51 U	850 DJ
AROCLOR-1248 (UG/KG)	55 UJ	60 U	42 U	48 U	48 U	41 U	44 U	51 U	45 U
AROCLOR-1254 (UG/KG)	78 J	320 DJ	80 J	280	230	41	30 J	51 U	2800 DJ
AROCLOR-1260 (UG/KG)	36 J	130 DJ	49 J	90	75	18 J	16 J	51 U	1400 DJ
PCB, TOTAL (UG/KG)	114	1130	194	610	515	59	66	51 U	5050

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-22	SL029-22	SL029-22	SL029-22	SL029-22	SL029-23	SL029-23	SL029-23	SL029-23
Sample Date	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774446.669	12774446.669	12774446.669	12774446.669	12774446.669	12774399.985	12774399.985	12774399.985	12774399.985
Y-Coordinate	350633.475	350633.475	350633.475	350633.475	350633.475	350500.827	350500.827	350500.827	350500.827
Start Depth	6	12	24	36	48	0	6	12	18
End Depth	12	24	36	48	60	6	12	18	30
Chemical Name									
AROCLOR-1016 (UG/KG)	39 U	41 U	51 U	59 U	71 U	420 U	450 U	420 U	51 UJ
AROCLOR-1221 (UG/KG)	39 U	41 U	51 U	59 U	71 U	420 U	450 U	420 U	51 UJ
AROCLOR-1232 (UG/KG)	39 U	41 U	51 U	59 U	71 U	420 U	450 U	420 U	51 UJ
AROCLOR-1242 (UG/KG)	150	100	51 U	59 U	71 U	3600 DJ	1800 J	540 J	190 J
AROCLOR-1248 (UG/KG)	39 U	41 U	51 U	59 U	71 U	420 U	450 U	420 U	51 UJ
AROCLOR-1254 (UG/KG)	200	130 J	33 J	32 J	31 J	2100 J	3500 J	990 J	180 J
AROCLOR-1260 (UG/KG)	140	77	51 U	59 U	71 U	1100	1600 J	370 J	69 J
PCB, TOTAL (UG/KG)	490	307	33	32	31	6800	6900	1900	439

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-23	SL029-23	SL029-23-DP	SL029-23	SL029-23	SL029-24	SL029-24	SL029-24	SL029-24
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774399.985	12774399.985	12774399.985	12774399.985	12774399.985	12774447.760	12774447.760	12774447.760	12774447.760
Y-Coordinate	350500.827	350500.827	350500.827	350500.827	350500.827	350410.390	350410.390	350410.390	350410.390
Start Depth	30	36	36	48	59	0	6	12	24
End Depth	36	48	48	59	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	40 UJ	58 UJ	59 UJ	60 U	80 U	550 U	540 U	61 U	630 U
AROCLOR-1221 (UG/KG)	40 UJ	58 UJ	59 UJ	60 U	80 U	550 U	540 U	61 U	630 U
AROCLOR-1232 (UG/KG)	40 UJ	58 UJ	59 UJ	60 U	80 U	550 U	540 U	61 U	630 U
AROCLOR-1242 (UG/KG)	64 J	96 J	86 J	2100 DJ	31 J	16000 DJ	5700 J	360	570 J
AROCLOR-1248 (UG/KG)	40 UJ	58 UJ	59 UJ	60 U	80 U	550 U	540 U	61 U	630 U
AROCLOR-1254 (UG/KG)	58 J	95 J	68 J	2300 DJ	26 J	18000 DJ	4900 J	350	370 J
AROCLOR-1260 (UG/KG)	21 J	34 J	26 J	1200 DJ	80 U	9000 DJ	2500 J	190	140 J
PCB, TOTAL (UG/KG)	143	225	180	5600	57	43000	13100	900	1080

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-24	SL029-24	SL029-24	SL029-25	SL029-25	SL029-25	SL029-25-DP	SL029-25	SL029-25
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774447.760	12774447.760	12774447.760	12774562.302	12774562.302	12774562.302	12774562.302	12774562.302	12774562.302
Y-Coordinate	350410.390	350410.390	350410.390	350362.391	350362.391	350362.391	350362.391	350362.391	350362.391
Start Depth	36	42	54	0	6	12	12	24	36
End Depth	42	54	60	6	12	24	24	33	48
Chemical Name									
AROCLOR-1016 (UG/KG)	630 U	720 U	720 U	49 U	51 U	52 U	54 U	37 U	38 U
AROCLOR-1221 (UG/KG)	630 U	720 U	720 U	49 U	51 U	52 U	54 U	37 U	38 U
AROCLOR-1232 (UG/KG)	630 U	720 U	720 U	49 U	51 U	52 U	54 U	37 U	38 U
AROCLOR-1242 (UG/KG)	610 J	370 J	1900 J	750 DJ	22000 DJ	4300 DJ	3000 DJ	2400 DJ	120 J
AROCLOR-1248 (UG/KG)	630 U	720 U	720 U	49 U	51 U	52 U	54 U	37 U	38 U
AROCLOR-1254 (UG/KG)	470 J	250 J	1200	1400 DJ	16000 DJ	3100 DJ	2200 DJ	330 J	59 J
AROCLOR-1260 (UG/KG)	140 J	64 J	390 J	670 DJ	7300 DJ	1500 DJ	480 J	120 J	26 J
PCB, TOTAL (UG/KG)	1220	684	3490	2820	45300	8900	5680		205

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-25	SL029-26	SL029-26	SL029-26	SL029-26	SL029-26	SL029-26	SL029-26	SL029-26-DP
Sample Date	07/31/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01
X-Coordinate	12774562.302	12774717.408	12774717.408	12774717.408	12774717.408	12774717.408	12774717.408	12774717.408	12774717.408
Y-Coordinate	350362.391	350507.406	350507.406	350507.406	350507.406	350507.406	350507.406	350507.406	350507.406
Start Depth	48	0	6	12	24	36	42	48	48
End Depth	60	6	12	24	36	42	48	60	60
Chemical Name									
AROCLOR-1016 (UG/KG)	41 UJ	35 U	38 U	48 U	44 U	34 U	37 U	36 U	37 U
AROCLOR-1221 (UG/KG)	41 UJ	35 U	38 U	48 U	44 U	34 U	37 U	36 U	37 U
AROCLOR-1232 (UG/KG)	41 UJ	35 U	38 U	48 U	44 U	34 U	37 U	36 U	37 U
AROCLOR-1242 (UG/KG)	280 J	500 DJ	270	120 J	76 J	22 J	75	36 U	37 U
AROCLOR-1248 (UG/KG)	41 UJ	35 U	38 U	48 U	44 U	34 U	37 U	36 U	37 U
AROCLOR-1254 (UG/KG)	190 J	1400 DJ	330	150 J	96 J	28 J	97 J	31 J	38 J
AROCLOR-1260 (UG/KG)	85 J	730 DJ	220	120	71	20 J	65	20 J	27 J
PCB, TOTAL (UG/KG)	555	2630	820	390	243	70	237	51	65

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-27	SL029-27	SL029-27	SL029-27-DP	SL029-27	SL029-27	SL029-27	SL029-27	SL029-28
Sample Date	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01
X-Coordinate	12774676.300	12774676.300	12774676.300	12774676.300	12774676.300	12774676.300	12774676.300	12774676.300	12774886.144
Y-Coordinate	350634.566	350634.566	350634.566	350634.566	350634.566	350634.566	350634.566	350634.566	350521.281
Start Depth	0	6	12	12	24	30	43	48	0
End Depth	6	12	24	24	30	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	36 U	48 U	49 U	50 U	54 U	47 U	43 U	43 U	39 U
AROCLOR-1221 (UG/KG)	36 U	48 U	49 U	50 U	54 U	47 U	43 U	43 U	39 U
AROCLOR-1232 (UG/KG)	36 U	48 U	49 U	50 U	54 U	47 U	43 U	43 U	39 U
AROCLOR-1242 (UG/KG)	180 DJ	81 J	49	43 J	38 J	47 U	43 U	43 U	600 DJ
AROCLOR-1248 (UG/KG)	36 U	48 U	49 U	50 U	54 U	47 U	43 U	43 U	39 U
AROCLOR-1254 (UG/KG)	210	78	35 J	30 J	51 J	47 U	43 U	43 U	810 DJ
AROCLOR-1260 (UG/KG)	120	44 J	18 J	16 J	17 J	47 U	43 U	43 U	360 DJ
PCB, TOTAL (UG/KG)	510	203	102	89	106	47 U	43 U	43 U	1770

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-28	SL029-28	SL029-28	SL029-28	SL029-28	SL029-28	SL029-28	SL029-29	SL029-29
Sample Date	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01
X-Coordinate	12774886.144	12774886.144	12774886.144	12774886.144	12774886.144	12774886.144	12774886.144	12774783.428	12774783.428
Y-Coordinate	350521.281	350521.281	350521.281	350521.281	350521.281	350521.281	350521.281	350733.536	350733.536
Start Depth	6	12	24	30	36	42	48	0	6
End Depth	12	24	30	36	42	48	60	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	37 UJ	47 UJ	51 UJ	42 UJ	37 UJ	36 UJ	39 UJ	1500 U	50 UJ
AROCLOR-1221 (UG/KG)	37 UJ	47 UJ	51 UJ	42 UJ	37 UJ	36 UJ	39 UJ	1500 U	50 UJ
AROCLOR-1232 (UG/KG)	37 UJ	47 UJ	51 UJ	42 UJ	37 UJ	36 UJ	39 UJ	1500 U	50 UJ
AROCLOR-1242 (UG/KG)	170 J	93 J	35 J	24 J	20 J	6.5 J	9.9 J	28000 DJ	1200 DJ
AROCLOR-1248 (UG/KG)	37 UJ	47 UJ	51 UJ	42 UJ	37 UJ	36 UJ	39 UJ	1500 U	50 UJ
AROCLOR-1254 (UG/KG)	580 DJ	260 J	120 J	45 J	57 J	11 J	21 J	7400 J	410 J
AROCLOR-1260 (UG/KG)	190 J	190 J	50 J	19 J	21 J	2.9 J	8.1 J	2100 J	91 J
PCB, TOTAL (UG/KG)	940	543	205	88	98	20.4	39	37500	1701

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-29	SL029-29	SL029-29	SL029-29	SL029-30	SL029-30	SL029-30	SL029-30	SL029-30-DP
Sample Date	07/30/01	07/30/01	07/30/01	07/30/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774783.428	12774783.428	12774783.428	12774783.428	12774242.223	12774242.223	12774242.223	12774242.223	12774242.223
Y-Coordinate	350733.536	350733.536	350733.536	350733.536	350521.281	350521.281	350521.281	350521.281	350521.281
Start Depth	12	24	36	48	0	6	12	24	24
End Depth	24	36	48	60	6	12	24	36	36
Chemical Name									
AROCLOR-1016 (UG/KG)	37 UJ	38 UJ	45 UJ	43 UJ	53 UJ	44 UJ	48 UJ	52 UJ	51 UJ
AROCLOR-1221 (UG/KG)	37 UJ	38 UJ	45 UJ	43 UJ	53 UJ	44 UJ	48 UJ	52 UJ	51 UJ
AROCLOR-1232 (UG/KG)	37 UJ	38 UJ	45 UJ	43 UJ	53 UJ	44 UJ	48 UJ	52 UJ	51 UJ
AROCLOR-1242 (UG/KG)	280 J	300 J	180 J	130 J	930 DJ	2000 DJ	180 J	97 J	85 J
AROCLOR-1248 (UG/KG)	37 UJ	38 UJ	45 UJ	43 UJ	53 UJ	44 UJ	48 UJ	52 UJ	51 UJ
AROCLOR-1254 (UG/KG)	150 J	120 J	100 J	76 J	700 DJ	2700 DJ	360 J	100 J	93 J
AROCLOR-1260 (UG/KG)	56 J	30 J	35 J	25 J	340 DJ	1100 DJ	130 J	40 J	36 J
PCB, TOTAL (UG/KG)	486	450	315	231	1970	5800	670	237	214

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-30	SL029-30	SL029-30	SL029-31	SL029-31	SL029-31	SL029-31	SL029-31-DP	SL029-31
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12774242.223	12774242.223	12774242.223	12774345.373	12774345.373	12774345.373	12774345.373	12774345.373	12774345.373
Y-Coordinate	350521.281	350521.281	350521.281	350288.088	350288.088	350288.088	350288.088	350288.088	350288.088
Start Depth	36	42	48	0	6	12	24	24	36
End Depth	42	48	60	6	12	24	36	36	48
Chemical Name									
AROCLOR-1016 (UG/KG)	42 UJ	89 UJ	43 UJ	600 U	61 UJ	640 U	720 U	720 U	720 U
AROCLOR-1221 (UG/KG)	42 UJ	89 UJ	43 UJ	600 U	61 UJ	640 U	720 U	720 U	720 U
AROCLOR-1232 (UG/KG)	42 UJ	89 UJ	43 UJ	600 U	61 UJ	640 U	720 U	720 U	720 U
AROCLOR-1242 (UG/KG)	37 J	46 J	78 J	2400 DJ	3700 DJ	470 J	340 J	520 J	410 J
AROCLOR-1248 (UG/KG)	42 UJ	89 UJ	43 UJ	600 U	61 UJ	640 U	720 U	720 U	720 U
AROCLOR-1254 (UG/KG)	38 J	28 J	80 J	3900 J	1800 DJ	320 J	330 J	540 J	370 J
AROCLOR-1260 (UG/KG)	19 J	89 UJ	30 J	1400 J	900 DJ	110 J	80 J	130 J	120 J
PCB, TOTAL (UG/KG)	94	74	188	7700	6400	900	750	1190	900

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-31	SL029-33	SL029-33	SL029-33	SL029-33	SL029-34	SL029-34	SL029-34	SL029-34
Sample Date	07/31/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01	07/30/01
X-Coordinate	12774345.373	12774795.001	12774795.001	12774795.001	12774795.001	12774677.817	12774677.817	12774677.817	12774677.817
Y-Coordinate	350288.088	350297.566	350297.566	350297.566	350297.566	350410.015	350410.015	350410.015	350410.015
Start Depth	48	0	6	12	24	0	6	12	24
End Depth	60	6	12	24	36	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	590 U	36 UJ	36 UJ	35 U	35 U	44 U	45 U	55 U	52 U
AROCLOR-1221 (UG/KG)	590 U	36 UJ	36 UJ	35 U	35 U	44 U	45 U	55 U	52 U
AROCLOR-1232 (UG/KG)	590 U	36 UJ	36 UJ	35 U	35 U	44 U	45 U	55 U	52 U
AROCLOR-1242 (UG/KG)	230 J	36 UJ	36 UJ	35 U	35 U	1500 D	2100 DJ	1400 DJ	310 J
AROCLOR-1248 (UG/KG)	590 U	36 UJ	36 UJ	35 U	35 U	44 U	45 U	55 U	52 U
AROCLOR-1254 (UG/KG)	190 J	36 UJ	36 UJ	35 U	35 U	2300 D	1600 D	830 D	460
AROCLOR-1260 (UG/KG)	44 J	36 UJ	36 UJ	35 U	35 U	820 D	570 D	300	160
PCB, TOTAL (UG/KG)	464	36 UJ	36 UJ	35 U	35 U	4620	4270	2530	930

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-12

Phase II- Grid 2- SL029 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL029-34	SL029-34	SL029-34	SL029-34-DP
Sample Date	07/30/01	07/30/01	07/30/01	07/30/01
X-Coordinate	12774677.817	12774677.817	12774677.817	12774677.817
Y-Coordinate	350410.015	350410.015	350410.015	350410.015
Start Depth	36	42	48	48
End Depth	42	48	60	60
Chemical Name				
AROCLOR-1016 (UG/KG)	35 U	40 U	40 U	39 UJ
AROCLOR-1221 (UG/KG)	35 U	40 U	40 U	39 UJ
AROCLOR-1232 (UG/KG)	35 U	40 U	40 U	39 UJ
AROCLOR-1242 (UG/KG)	61 J	120 J	62	70 J
AROCLOR-1248 (UG/KG)	35 U	40 U	40 U	39 UJ
AROCLOR-1254 (UG/KG)	83 J	190	75	100 J
AROCLOR-1260 (UG/KG)	31 J	62	26 J	35 J
PCB, TOTAL (UG/KG)	175	372	163	205

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-1	SD045-1	SD045-1	SD045-1	SD045-1	SD045-2	SD045-2	SD045-2	SD045-3
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12768990.758	12768990.758	12768990.758	12768990.758	12768990.758	12768983.669	12768983.669	12768983.669	12768986.396
Y-Coordinate	352358.303	352358.303	352358.303	352358.303	352358.303	352355.576	352355.576	352355.576	352349.169
Start Depth	0	6	12	24	32	0	6	13	0
End Depth	6	12	24	32	40	6	13	24	6
Chemical Name									
AROCLOR-1016 (UG/KG)	40 UJ	45 UJ	59 UJ	52 UJ	41 UJ	36 U	36 U	73 U	35 U
AROCLOR-1221 (UG/KG)	40 UJ	45 UJ	59 UJ	52 UJ	41 UJ	36 U	36 U	73 U	35 U
AROCLOR-1232 (UG/KG)	40 UJ	45 UJ	59 UJ	52 UJ	41 UJ	36 U	36 U	73 U	35 U
AROCLOR-1242 (UG/KG)	49 J	120 J	1800 DJ	52 UJ	41 UJ	32 J	47 J	94	34 J
AROCLOR-1248 (UG/KG)	40 UJ	45 UJ	59 UJ	52 UJ	41 UJ	36 U	36 U	73 U	35 U
AROCLOR-1254 (UG/KG)	13 J	30 J	420 J	52 UJ	41 UJ	11 J	16 J	24 J	12 J
AROCLOR-1260 (UG/KG)	3.6 J	45 UJ	88 J	52 UJ	41 UJ	36 U	5.4 J	73 U	35 U
PCB, TOTAL (UG/KG)	65.6	150	2308	52 UJ	41 UJ	43	68.4	118	46

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-3	SD045-3	SD045-3-DP	SD045-3	SD045-4	SD045-4	SD045-4-DP	SD045-4	SD045-5
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12768986.396	12768986.396	12768986.396	12768986.396	12768992.667	12768992.667	12768992.667	12768992.667	12768997.711
Y-Coordinate	352349.169	352349.169	352349.169	352349.169	352351.214	352351.214	352351.214	352351.214	352357.485
Start Depth	6	12	12	25	0	9	9	20	0
End Depth	12	25	25	30	6	20	20	34	6
Chemical Name									
AROCLOR-1016 (UG/KG)	480 U	600 U	62 U	36 U	820 U	500 U	540 U	43 U	34 UJ
AROCLOR-1221 (UG/KG)	480 U	600 U	62 U	36 U	820 U	500 U	540 U	43 U	34 UJ
AROCLOR-1232 (UG/KG)	480 U	600 U	62 U	36 U	820 U	500 U	540 U	43 U	34 UJ
AROCLOR-1242 (UG/KG)	2800	410 J	67	36 U	420 J	3000	830 J	11 J	60 J
AROCLOR-1248 (UG/KG)	480 U	600 U	62 U	36 U	820 U	500 U	540 U	43 U	34 UJ
AROCLOR-1254 (UG/KG)	740 J	110 J	16 J	36 U	100 J	670	290 J	43 U	17 J
AROCLOR-1260 (UG/KG)	280 J	600 U	62 U	36 U	820 U	120 J	72 J	43 U	34 UJ
PCB, TOTAL (UG/KG)	3820	520	83	36 U	520	3790	1192	11	77

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-5	SD045-5	SD045-5	SD045-5	SD045-5	SD045-5-DP	SD045-6	SD045-6	SD045-6
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12768997.711	12768997.711	12768997.711	12768997.711	12768997.711	12768997.711	12768984.896	12768984.896	12768984.896
Y-Coordinate	352357.485	352357.485	352357.485	352357.485	352357.485	352357.485	352363.620	352363.620	352363.620
Start Depth	6	10	18	26	36	36	0	6	10
End Depth	10	18	26	36	48	48	6	10	15
Chemical Name									
AROCLOR-1016 (UG/KG)	48 UJ	48 UJ	38 UJ	48 UJ	46 UJ	40 UJ	36 U	36 U	580 U
AROCLOR-1221 (UG/KG)	48 UJ	48 UJ	38 UJ	48 UJ	46 UJ	40 UJ	36 U	36 U	580 U
AROCLOR-1232 (UG/KG)	48 UJ	48 UJ	38 UJ	48 UJ	46 UJ	40 UJ	36 U	36 U	580 U
AROCLOR-1242 (UG/KG)	5200 DJ	11 J	51 J	48 UJ	46 UJ	40 UJ	33 J	37 J	790 J
AROCLOR-1248 (UG/KG)	48 UJ	48 UJ	38 UJ	48 UJ	46 UJ	40 UJ	36 U	36 U	580 U
AROCLOR-1254 (UG/KG)	15000 DJ	3.7 J	38 UJ	48 UJ	46 UJ	40 UJ	14 J	11 J	190 J
AROCLOR-1260 (UG/KG)	8200 DJ	48 UJ	38 UJ	48 UJ	46 UJ	40 UJ	6 J	3.7 J	67 J
PCB, TOTAL (UG/KG)	28400	14.7	51	48 UJ	46 UJ	40 UJ	53	51.7	1047

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-6	SD045-6	SD045-7	SD045-7	SD045-7	SD045-7	SD045-8	SD045-8	SD045-8
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12768984.896	12768984.896	12768978.897	12768978.897	12768978.897	12768978.897	12768992.667	12768992.667	12768992.667
Y-Coordinate	352363.620	352363.620	352350.396	352350.396	352350.396	352350.396	352345.215	352345.215	352345.215
Start Depth	15	26	0	6	12	20	0	6	12
End Depth	26	34	6	12	20	31	6	12	23
Chemical Name									
AROCLOR-1016 (UG/KG)	45 U	41 U	35 U	540 U	65 U	45 U	36 U	450 U	60 U
AROCLOR-1221 (UG/KG)	45 U	41 U	35 U	540 U	65 U	45 U	36 U	450 U	60 U
AROCLOR-1232 (UG/KG)	45 U	41 U	35 U	540 U	65 U	45 U	36 U	450 U	60 U
AROCLOR-1242 (UG/KG)	47	51 J	35	2200 J	76	45 U	9 J	4100	93
AROCLOR-1248 (UG/KG)	45 U	41 U	35 U	540 U	65 U	45 U	36 U	450 U	60 U
AROCLOR-1254 (UG/KG)	10 J	13 J	11 J	750 J	35 J	45 U	36 U	900 J	31 J
AROCLOR-1260 (UG/KG)	45 U	4.5 J	35 U	540 U	11 J	45 U	36 U	260 J	9.1 J
PCB, TOTAL (UG/KG)	57	68.5	46	2950	122	45 U	9	5260	133.1

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-8	SD045-9	SD045-9	SD045-9	SD045-9	SD045-10	SD045-10	SD045-10	SD045-10
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12768992.667	12768997.575	12768997.575	12768997.575	12768997.575	12768970.172	12768970.172	12768970.172	12768970.172
Y-Coordinate	352345.215	352371.664	352371.664	352371.664	352371.664	352362.121	352362.121	352362.121	352362.121
Start Depth	23	0	6	12	24	0	6	11	19
End Depth	30	6	12	24	33	6	11	19	30
Chemical Name									
AROCLOR-1016 (UG/KG)	45 U	34 UJ	36 UJ	40 UJ	41 UJ	36 U	35 U	530 UJ	45 UJ
AROCLOR-1221 (UG/KG)	45 U	34 UJ	36 UJ	40 UJ	41 UJ	36 U	35 U	530 UJ	45 UJ
AROCLOR-1232 (UG/KG)	45 U	34 UJ	36 UJ	40 UJ	41 UJ	36 U	35 U	530 UJ	45 UJ
AROCLOR-1242 (UG/KG)	45 U	38 J	28 J	40 UJ	41 UJ	24 J	27 J	720 J	45 UJ
AROCLOR-1248 (UG/KG)	45 U	34 UJ	36 UJ	40 UJ	41 UJ	36 U	35 U	530 UJ	45 UJ
AROCLOR-1254 (UG/KG)	45 U	5 J	36 UJ	40 UJ	41 UJ	8.4 J	12 J	180 J	45 UJ
AROCLOR-1260 (UG/KG)	45 U	34 UJ	36 UJ	40 UJ	41 UJ	36 U	35 U	530 UJ	45 UJ
PCB, TOTAL (UG/KG)	45 U	43	28	40 UJ	41 UJ	32.4	39	900	45 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-10-DP	SD045-11	SD045-11	SD045-11	SD045-11-DP	SD045-11	SD045-12	SD045-12	SD045-12
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12768970.172	12768979.851	12768979.851	12768979.851	12768979.851	12768979.851	12769006.301	12769006.301	12769006.301
Y-Coordinate	352362.121	352335.671	352335.671	352335.671	352335.671	352335.671	352344.806	352344.806	352344.806
Start Depth	19	0	6	12	12	19	0	6	12
End Depth	30	6	12	19	19	33	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	44 U	35 U	35 U	540 UJ	550 UJ	43 U	35 UJ	54 UJ	43 UJ
AROCLOR-1221 (UG/KG)	44 U	35 U	35 U	540 UJ	550 UJ	43 U	35 UJ	54 UJ	43 UJ
AROCLOR-1232 (UG/KG)	44 U	35 U	35 U	540 UJ	550 UJ	43 U	35 UJ	54 UJ	43 UJ
AROCLOR-1242 (UG/KG)	44 U	73 J	56	430 J	830 J	43 U	110 J	490 J	43 UJ
AROCLOR-1248 (UG/KG)	44 U	35 U	35 U	540 UJ	550 UJ	43 U	35 UJ	54 UJ	43 UJ
AROCLOR-1254 (UG/KG)	44 U	20 J	17 J	99 J	180 J	43 U	22 J	97 J	43 UJ
AROCLOR-1260 (UG/KG)	44 U	6.4 J	35 U	540 UJ	550 UJ	43 U	4.6 J	18 J	43 UJ
PCB, TOTAL (UG/KG)	44 U	99.4	73	529	1010	43 U	136.6	605	43 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-12-DP	SD045-12	SD045-13	SD045-13	SD045-13	SD045-13	SD045-14	SD045-14	SD045-14
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01
X-Coordinate	12769006.301	12769006.301	12769025.524	12769025.524	12769025.524	12769025.524	12768972.626	12768972.626	12768972.626
Y-Coordinate	352344.806	352344.806	352368.937	352368.937	352368.937	352368.937	352391.569	352391.569	352391.569
Start Depth	12	24	0	6	12	24	0	3	12
End Depth	24	34	6	12	16	36	3	12	21
Chemical Name									
AROCLOR-1016 (UG/KG)	45 UJ	43 UJ	38 UJ	62 UJ	53 UJ	46 UJ	43 U	43 U	43 U
AROCLOR-1221 (UG/KG)	45 UJ	43 UJ	38 UJ	62 UJ	53 UJ	46 UJ	43 U	43 U	43 U
AROCLOR-1232 (UG/KG)	45 UJ	43 UJ	38 UJ	62 UJ	53 UJ	46 UJ	43 U	43 U	43 U
AROCLOR-1242 (UG/KG)	45 UJ	43 UJ	55 J	900 DJ	13 J	46 UJ	31 J	43 U	43 U
AROCLOR-1248 (UG/KG)	45 UJ	43 UJ	38 UJ	62 UJ	53 UJ	46 UJ	43 U	43 U	43 U
AROCLOR-1254 (UG/KG)	45 UJ	43 UJ	11 J	170 J	11 J	9.6 J	12 J	43 U	43 U
AROCLOR-1260 (UG/KG)	45 UJ	43 UJ	38 UJ	37 J	5.7 J	46 UJ	43 U	43 U	43 U
PCB, TOTAL (UG/KG)	45 UJ	43 UJ	66	1107	29.7	9.6	43	43 U	43 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-14	SD045-14-DP	SD045-15	SD045-15	SD045-15	SD045-15	SD045-15-DP	SD045-16	SD045-16
Sample Date	07/31/01	07/31/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	07/31/01	07/31/01
X-Coordinate	12768972.626	12768972.626	12768950.812	12768950.812	12768950.812	12768950.812	12768950.812	12769004.937	12769004.937
Y-Coordinate	352391.569	352391.569	352338.807	352338.807	352338.807	352338.807	352338.807	352317.675	352317.675
Start Depth	21	21	0	6	12	20	20	16	0
End Depth	33	33	6	12	20	35	35	24	3
Chemical Name									
AROCLOR-1016 (UG/KG)	40 U	41 U	36 U	36 U	54 U	58 U	63 U	43 UJ	38 U
AROCLOR-1221 (UG/KG)	40 U	41 U	36 U	36 U	54 U	58 U	63 U	43 UJ	38 U
AROCLOR-1232 (UG/KG)	40 U	41 U	36 U	36 U	54 U	58 U	63 U	43 UJ	38 U
AROCLOR-1242 (UG/KG)	40 U	41 U	37	50 J	4300 D	56 J	63	43 UJ	39
AROCLOR-1248 (UG/KG)	40 U	41 U	36 U	36 U	54 U	58 U	63 U	43 UJ	38 U
AROCLOR-1254 (UG/KG)	4.1 J	41 U	17 J	32 J	1300 D	13 J	19 J	8.2 J	14 J
AROCLOR-1260 (UG/KG)	40 U	41 U	5.6 J	17 J	280	58 U	63 U	43 UJ	38 U
PCB, TOTAL (UG/KG)	4.1	41 U	59.6	99	5880	69	82	8.2	53

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-16	SD045-16	SD045-17	SD045-17	SD045-17	SD045-18	SD045-18	SD045-18-DP	SD045-18
Sample Date	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	08/09/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12769004.937	12769004.937	12769025.186	12769025.186	12769025.186	12768914.669	12768914.669	12768914.669	12768914.669
Y-Coordinate	352317.675	352317.675	352425.398	352425.398	352425.398	352387.042	352387.042	352387.042	352387.042
Start Depth	3	17	0	2	12	0	3	3	12
End Depth	17	29	2	9	23	3	12	12	20
Chemical Name									
AROCLOR-1016 (UG/KG)	540 U	42 U	41 U	45 U	41 U	39 U	48 U	45 UJ	44 UJ
AROCLOR-1221 (UG/KG)	540 U	42 U	41 U	45 U	41 U	39 U	48 U	45 UJ	44 UJ
AROCLOR-1232 (UG/KG)	540 U	42 U	41 U	45 U	41 U	39 U	48 U	45 UJ	44 UJ
AROCLOR-1242 (UG/KG)	1600 J	56 J	19 J	45 U	13 J	56	48 U	45 UJ	44 UJ
AROCLOR-1248 (UG/KG)	540 U	42 U	41 U	45 U	41 U	39 U	48 U	45 UJ	44 UJ
AROCLOR-1254 (UG/KG)	370 J	22 J	12 J	45 U	7.5 J	24 J	48 U	45 UJ	44 UJ
AROCLOR-1260 (UG/KG)	540 U	42 U	41 U	45 U	41 U	12 J	48 U	45 UJ	44 UJ
PCB, TOTAL (UG/KG)	1970	78	31	45 U	20.5	92	48 U	45 UJ	44 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-18	SD045-19	SD045-19-DP	SD045-19	SD045-19	SD045-19	SD045-20	SD045-20	SD045-20
Sample Date	08/09/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12768914.669	12768955.417	12768955.417	12768955.417	12768955.417	12768955.417	12769048.241	12769048.241	12769048.241
Y-Coordinate	352387.042	352287.861	352287.861	352287.861	352287.861	352287.861	352509.709	352509.709	352509.709
Start Depth	20	0	0	6	16	24	0	6	10
End Depth	22	6	6	16	24	36	6	10	16
Chemical Name									
AROCLOR-1016 (UG/KG)	41 UJ	400 UJ	41 U	440 UJ	700 U	920 UJ	60 U	47 U	48 U
AROCLOR-1221 (UG/KG)	41 UJ	400 UJ	41 U	440 UJ	700 U	920 UJ	60 U	47 U	48 U
AROCLOR-1232 (UG/KG)	41 UJ	400 UJ	41 U	440 UJ	700 U	920 UJ	60 U	47 U	48 U
AROCLOR-1242 (UG/KG)	41 UJ	350 J	280 J	1200 J	20000 DJ	1600 J	60 U	23 J	48 U
AROCLOR-1248 (UG/KG)	41 UJ	400 UJ	41 U	440 UJ	700 U	920 UJ	60 U	47 U	48 U
AROCLOR-1254 (UG/KG)	41 UJ	170 J	70	290 J	6400 DJ	520 J	60 U	47 U	5.8 J
AROCLOR-1260 (UG/KG)	41 UJ	70 J	25 J	94 J	2600 DJ	200 J	60 U	47 U	48 U
PCB, TOTAL (UG/KG)	41 UJ	590	375	1584	29000	2320	60 U	23	5.8

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-20	SD045-21	SD045-21	SD045-21	SD045-21-DP	SD045-21	SD045-22	SD045-22	SD045-22
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12769048.241	12768924.421	12768924.421	12768924.421	12768924.421	12768924.421	12768841.208	12768841.208	12768841.208
Y-Coordinate	352509.709	352501.460	352501.460	352501.460	352501.460	352501.460	352422.148	352422.148	352422.148
Start Depth	16	0	6	12	12	24	0	5	12
End Depth	28	6	12	24	24	35	5	12	20
Chemical Name									
AROCLOR-1016 (UG/KG)	58 U	51 U	73 U	47 U	46 U	48 U	38 U	100 U	78 U
AROCLOR-1221 (UG/KG)	58 U	51 U	73 U	47 U	46 U	48 U	38 U	100 U	78 U
AROCLOR-1232 (UG/KG)	58 U	51 U	73 U	47 U	46 U	48 U	38 U	100 U	78 U
AROCLOR-1242 (UG/KG)	58 U	40 J	47 J	47 U	46 U	48 U	48 J	60 J	78 U
AROCLOR-1248 (UG/KG)	58 U	51 U	73 U	47 U	46 U	48 U	38 U	100 U	78 U
AROCLOR-1254 (UG/KG)	58 U	14 J	39 J	47 U	46 U	48 U	16 J	100 U	78 U
AROCLOR-1260 (UG/KG)	58 U	51 U	73 U	47 U	46 U	48 U	38 U	100 U	78 U
PCB, TOTAL (UG/KG)	58 U	54	86	47 U	46 U	48 U	64	60	78 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-22	SD045-22	SD045-24	SD045-24	SD045-24	SD045-25	SD045-25	SD045-25	SD045-25
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12768841.208	12768841.208	12769135.703	12769135.703	12769135.703	12768693.311	12768693.311	12768693.311	12768693.311
Y-Coordinate	352422.148	352422.148	352414.347	352414.347	352414.347	352232.536	352232.536	352232.536	352232.536
Start Depth	20	26	0	6	12	0	6	12	24
End Depth	26	31	6	12	22	6	12	24	34
Chemical Name									
AROCLOR-1016 (UG/KG)	69 U	46 U	51 U	46 U	42 U	39 U	40 U	36 U	41 U
AROCLOR-1221 (UG/KG)	69 U	46 U	51 U	46 U	42 U	39 U	40 U	36 U	41 U
AROCLOR-1232 (UG/KG)	69 U	46 U	51 U	46 U	42 U	39 U	40 U	36 U	41 U
AROCLOR-1242 (UG/KG)	69 U	46 U	51 U	46 U	42 U	64	75	36 U	300
AROCLOR-1248 (UG/KG)	69 U	46 U	51 U	46 U	42 U	39 U	40 U	36 U	41 U
AROCLOR-1254 (UG/KG)	69 U	46 U	51 U	46 U	42 U	22 J	30 J	36 U	81 J
AROCLOR-1260 (UG/KG)	69 U	46 U	51 U	46 U	42 U	6.5 J	7.7 J	36 U	19 J
PCB, TOTAL (UG/KG)	69 U	46 U	51 U	46 U	42 U	92.5	112.7	36 U	400

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-13

Phase II- Grid 3- SD045 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD045-25-DP	SD045-26	SD045-26	SD045-26	SD045-26	SD045-26-DP	SD045-26	SD045-26	SD045-26
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12768693.311	12769290.083	12769290.083	12769290.083	12769290.083	12769290.083	12769290.083	12769290.083	12769290.083
Y-Coordinate	352232.536	352470.610	352470.610	352470.610	352470.610	352470.610	352470.610	352470.610	352470.610
Start Depth	24	0	6	12	18	18	26	33	37
End Depth	34	6	12	18	26	26	33	37	41
Chemical Name									
AROCLOR-1016 (UG/KG)	40 U	36 U	36 U	38 U	48 U	48 U	70 U	43 U	84 U
AROCLOR-1221 (UG/KG)	40 U	36 U	36 U	38 U	48 U	48 U	70 U	43 U	84 U
AROCLOR-1232 (UG/KG)	40 U	36 U	36 U	38 U	48 U	48 U	70 U	43 U	84 U
AROCLOR-1242 (UG/KG)	310	57	180	140 J	3800 D	2700 D	3400 D	320	340
AROCLOR-1248 (UG/KG)	40 U	36 U	36 U	38 U	48 U	48 U	70 U	43 U	84 U
AROCLOR-1254 (UG/KG)	73 J	14 J	36	35 J	1300 D	1300 D	2300 D	190	190
AROCLOR-1260 (UG/KG)	12 J	36 U	9.8 J	9.7 J	260	280 D	1100 D	97	100
PCB, TOTAL (UG/KG)	395	71	225.8	184.7	5360	4280	6800	607	630

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-10	SL053-11	SL053-11	SL053-11	SL053-11	SL053-11-DP	SL053-11	SL053-11	SL053-12
Sample Date	08/13/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01
X-Coordinate	12770224.203	12770252.821	12770252.821	12770252.821	12770252.821	12770252.821	12770252.821	12770252.821	12770252.971
Y-Coordinate	351685.211	351685.361	351685.361	351685.361	351685.361	351685.361	351685.361	351685.361	351657.512
Start Depth	30	0	6	12	24	24	36	48	0
End Depth	36	6	12	24	36	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1221 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1232 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1242 (UG/KG)	59 U	50 U	57 J	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1248 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1254 (UG/KG)	59 U	50 U	62 J	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1260 (UG/KG)	59 U	50 U	23 J	270 U	230 U	62 U	300 U	290 U	39 U
PCB, TOTAL (UG/KG)	59 U	50 U	142	270 U	230 U	62 U	300 U	290 U	39 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-13
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/07/01
X-Coordinate	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770238.598
Y-Coordinate	351657.512	351657.512	351657.512	351657.512	351657.512	351657.512	351657.512	351657.512	351711.515
Start Depth	6	12	18	24	36	42	48	54	0
End Depth	12	18	24	36	42	48	54	60	5
Chemical Name									
AROCLOR-1016 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1221 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1232 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1242 (UG/KG)	2.5 J	36 U	48 U	51 U	62 U	15 J	76 U	110 U	48 UJ
AROCLOR-1248 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1254 (UG/KG)	5.6 J	36 U	48 U	38 J	62 U	11 J	5.6 J	110 U	48 UJ
AROCLOR-1260 (UG/KG)	43 U	36 U	48 U	51 U	62 U	5 J	76 U	110 U	48 UJ
PCB, TOTAL (UG/KG)	8.1	36 U	48 U	38	62 U	31	5.6	110 U	48 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-13	SL053-13	SL053-13	SL053-13-DP	SL053-13	SL053-13	SL053-14	SL053-14	SL053-14
Sample Date	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598	12770295.568	12770295.568	12770295.568
Y-Coordinate	351711.515	351711.515	351711.515	351711.515	351711.515	351711.515	351727.433	351727.433	351727.433
Start Depth	5	12	24	24	36	44	0	6	12
End Depth	12	24	36	36	44	46	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1221 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1232 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1242 (UG/KG)	150 J	68 J	250 UJ	200 U	170 U	54 U	46 U	49 U	29 J
AROCLOR-1248 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1254 (UG/KG)	81 J	21 J	250 UJ	200 U	170 U	54 U	12 J	49 U	24 J
AROCLOR-1260 (UG/KG)	43 J	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	10 J
PCB, TOTAL (UG/KG)	274	89	250 UJ	200 U	170 U	54 U	12	49 U	63

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-14-DP	SL053-14	SL053-14	SL053-14	SL053-14	SL053-15	SL053-15	SL053-15	SL053-15
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/13/01	08/13/01	08/13/01	08/13/01
X-Coordinate	12770295.568	12770295.568	12770295.568	12770295.568	12770295.568	12770278.813	12770278.813	12770278.813	12770278.813
Y-Coordinate	351727.433	351727.433	351727.433	351727.433	351727.433	351671.580	351671.580	351671.580	351671.580
Start Depth	12	18	24	36	48	0	6	12	24
End Depth	18	24	36	48	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1221 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1232 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1242 (UG/KG)	220	88 J	190 U	290 U	300 U	42 U	73	180 U	210 U
AROCLOR-1248 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1254 (UG/KG)	89	72 J	190 U	290 U	300 U	42 U	28 J	180 U	210 U
AROCLOR-1260 (UG/KG)	26 J	29 J	190 U	290 U	300 U	42 U	61 U	180 U	210 U
PCB, TOTAL (UG/KG)	335	189	190 U	290 U	300 U	42 U	101	180 U	210 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-15	SL053-15	SL053-15-DP	SL053-16	SL053-16	SL053-16	SL053-16	SL053-16	SL053-16
Sample Date	08/13/01	08/13/01	08/13/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01
X-Coordinate	12770278.813	12770278.813	12770278.813	12770181.349	12770181.349	12770181.349	12770181.349	12770181.349	12770181.349
Y-Coordinate	351671.580	351671.580	351671.580	351727.154	351727.154	351727.154	351727.154	351727.154	351727.154
Start Depth	36	48	48	0	6	9	12	20	24
End Depth	48	60	60	6	9	12	20	24	28
Chemical Name									
AROCLOR-1016 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1221 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1232 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1242 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	410	440 J	130 U
AROCLOR-1248 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1254 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	330	97 J	130 U
AROCLOR-1260 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
PCB, TOTAL (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	740	537	130 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-16	SL053-16-DP	SL053-17	SL053-17	SL053-17	SL053-17	SL053-17	SL053-17	SL053-18
Sample Date	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/14/01
X-Coordinate	12770181.349	12770181.349	12770181.628	12770181.628	12770181.628	12770181.628	12770181.628	12770181.628	12770296.406
Y-Coordinate	351727.154	351727.154	351615.727	351615.727	351615.727	351615.727	351615.727	351615.727	351615.447
Start Depth	28	28	0	6	12	24	36	48	0
End Depth	44	44	6	12	24	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1221 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1232 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1242 (UG/KG)	43 U	47 U	46 UJ	51 UJ	39 J	220 UJ	230 U	230 U	36 J
AROCLOR-1248 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1254 (UG/KG)	43 U	47 U	46 UJ	51 UJ	27 J	220 UJ	230 U	230 U	52 J
AROCLOR-1260 (UG/KG)	43 U	47 U	46 UJ	51 UJ	16 J	220 UJ	230 U	230 U	230 U
PCB, TOTAL (UG/KG)	43 U	47 U	46 UJ	51 UJ	82	200 UJ	230 U	230 U	88

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-18	SL053-18	SL053-18	SL053-19	SL053-19	SL053-19	SL053-19	SL053-19-DP	SL053-19
Sample Date	08/14/01	08/14/01	08/14/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12770296.406	12770296.406	12770296.406	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598
Y-Coordinate	351615.447	351615.447	351615.447	351631.086	351631.086	351631.086	351631.086	351631.086	351631.086
Start Depth	6	12	18	0	6	12	24	24	36
End Depth	12	18	24	6	12	24	36	36	48
Chemical Name									
AROCLOR-1016 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1221 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1232 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1242 (UG/KG)	32 J	190 UJ	420 J	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1248 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1254 (UG/KG)	31 J	190 UJ	210 J	45 U	46 U	28 J	200 U	230 U	270 U
AROCLOR-1260 (UG/KG)	9.6 J	190 UJ	84 J	45 U	46 U	230 U	200 U	230 U	270 U
PCB, TOTAL (UG/KG)	72.6	190 UJ	714	45 U	46 U	28	200 U	230 U	270 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-19	SL053-20	SL053-20	SL053-20	SL053-20	SL053-20	SL053-20	SL053-21	SL053-21-DP
Sample Date	08/09/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/07/01	08/07/01
X-Coordinate	12770238.598	12770198.663	12770198.663	12770198.663	12770198.663	12770198.663	12770198.663	12770238.539	12770238.539
Y-Coordinate	351631.086	351671.021	351671.021	351671.021	351671.021	351671.021	351671.021	351831.394	351831.394
Start Depth	48	0	6	12	24	36	53	0	0
End Depth	60	6	12	24	36	53	58	6	6
Chemical Name									
AROCLOR-1016 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1221 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1232 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1242 (UG/KG)	360 UJ	50 U	6.3 J	130 J	250 U	180 UJ	58 U	7.2 J	12 J
AROCLOR-1248 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1254 (UG/KG)	360 UJ	50 U	5.6 J	89 J	250 U	180 UJ	58 U	9.6 J	23 J
AROCLOR-1260 (UG/KG)	360 UJ	50 U	56 U	45 J	250 U	180 UJ	58 U	5.8 J	13 J
PCB, TOTAL (UG/KG)	360 UJ	50 U	11.9	264	250 U	180 UJ	58 U	22.6	48

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-1	SL053-1-DP	SL053-1	SL053-1	SL053-1	SL053-1	SL053-1	SL053-2	SL053-2
Sample Date	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01	08/09/01
X-Coordinate	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017	12770235.017
Y-Coordinate	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351674.791	351667.895	351667.895
Start Depth	0	0	6	12	24	36	48	0	6
End Depth	6	6	12	24	36	48	60	6	10
Chemical Name									
AROCLOR-1016 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1221 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1232 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1242 (UG/KG)	48 U	48 U	82 U	50 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1248 (UG/KG)	48 U	48 U	82 U	220 U	180 U	270 U	330 U	48 U	48 U
AROCLOR-1254 (UG/KG)	48 U	48 U	82 U	19 J	180 U	270 U	330 U	48 U	48 U
AROCLOR-1260 (UG/KG)	48 U	48 U	82 U	17 J	180 U	270 U	330 U	48 U	48 U
PCB, TOTAL (UG/KG)	48 U	48 U	82 U	86	180 U	270 U	330 U	48 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-10	SL053-11	SL053-11	SL053-11	SL053-11	SL053-11-DP	SL053-11	SL053-11	SL053-12
Sample Date	08/13/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/10/01	08/09/01
X-Coordinate	12770224.203	12770252.821	12770252.821	12770252.821	12770252.821	12770252.821	12770252.821	12770252.821	12770252.971
Y-Coordinate	351685.211	351685.361	351685.361	351685.361	351685.361	351685.361	351685.361	351685.361	351657.512
Start Depth	30	0	6	12	24	24	36	48	0
End Depth	36	6	12	24	36	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1221 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1232 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1242 (UG/KG)	59 U	50 U	57 J	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1248 (UG/KG)	59 U	50 U	130 U	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1254 (UG/KG)	59 U	50 U	62 J	270 U	230 U	62 U	300 U	290 U	39 U
AROCLOR-1260 (UG/KG)	59 U	50 U	23 J	270 U	230 U	62 U	300 U	290 U	39 U
PCB, TOTAL (UG/KG)	59 U	50 U	142	270 U	230 U	62 U	300 U	290 U	39 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-12	SL053-13
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/07/01
X-Coordinate	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770252.971	12770238.598
Y-Coordinate	351657.512	351657.512	351657.512	351657.512	351657.512	351657.512	351657.512	351657.512	351711.515
Start Depth	6	12	18	24	36	42	48	54	0
End Depth	12	18	24	36	42	48	54	60	5
Chemical Name									
AROCLOR-1016 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1221 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1232 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1242 (UG/KG)	2.5 J	36 U	48 U	51 U	62 U	15 J	76 U	110 U	48 UJ
AROCLOR-1248 (UG/KG)	43 U	36 U	48 U	51 U	62 U	59 U	76 U	110 U	48 UJ
AROCLOR-1254 (UG/KG)	5.6 J	36 U	48 U	38 J	62 U	11 J	5.6 J	110 U	48 UJ
AROCLOR-1260 (UG/KG)	43 U	36 U	48 U	51 U	62 U	5 J	76 U	110 U	48 UJ
PCB, TOTAL (UG/KG)	8.1	36 U	48 U	38	62 U	31	5.6	110 U	48 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-13	SL053-13	SL053-13	SL053-13-DP	SL053-13	SL053-13	SL053-14	SL053-14	SL053-14
Sample Date	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598	12770295.568	12770295.568	12770295.568
Y-Coordinate	351711.515	351711.515	351711.515	351711.515	351711.515	351711.515	351727.433	351727.433	351727.433
Start Depth	5	12	24	24	36	44	0	6	12
End Depth	12	24	36	36	44	46	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1221 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1232 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1242 (UG/KG)	150 J	68 J	250 UJ	200 U	170 U	54 U	46 U	49 U	29 J
AROCLOR-1248 (UG/KG)	250 UJ	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	59 U
AROCLOR-1254 (UG/KG)	81 J	21 J	250 UJ	200 U	170 U	54 U	12 J	49 U	24 J
AROCLOR-1260 (UG/KG)	43 J	230 UJ	250 UJ	200 U	170 U	54 U	46 U	49 U	10 J
PCB, TOTAL (UG/KG)	274	89	250 UJ	200 U	170 U	54 U	12	49 U	63

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-14-DP	SL053-14	SL053-14	SL053-14	SL053-14	SL053-15	SL053-15	SL053-15	SL053-15
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/13/01	08/13/01	08/13/01	08/13/01
X-Coordinate	12770295.568	12770295.568	12770295.568	12770295.568	12770295.568	12770278.813	12770278.813	12770278.813	12770278.813
Y-Coordinate	351727.433	351727.433	351727.433	351727.433	351727.433	351671.580	351671.580	351671.580	351671.580
Start Depth	12	18	24	36	48	0	6	12	24
End Depth	18	24	36	48	60	6	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1221 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1232 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1242 (UG/KG)	220	88 J	190 U	290 U	300 U	42 U	73	180 U	210 U
AROCLOR-1248 (UG/KG)	52 U	220 U	190 U	290 U	300 U	42 U	61 U	180 U	210 U
AROCLOR-1254 (UG/KG)	89	72 J	190 U	290 U	300 U	42 U	28 J	180 U	210 U
AROCLOR-1260 (UG/KG)	26 J	29 J	190 U	290 U	300 U	42 U	61 U	180 U	210 U
PCB, TOTAL (UG/KG)	335	189	190 U	290 U	300 U	42 U	101	180 U	210 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-15	SL053-15	SL053-15-DP	SL053-16	SL053-16	SL053-16	SL053-16	SL053-16	SL053-16
Sample Date	08/13/01	08/13/01	08/13/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01
X-Coordinate	12770278.813	12770278.813	12770278.813	12770181.349	12770181.349	12770181.349	12770181.349	12770181.349	12770181.349
Y-Coordinate	351671.580	351671.580	351671.580	351727.154	351727.154	351727.154	351727.154	351727.154	351727.154
Start Depth	36	48	48	0	6	9	12	20	24
End Depth	48	60	60	6	9	12	20	24	28
Chemical Name									
AROCLOR-1016 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1221 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1232 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1242 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	410	440 J	130 U
AROCLOR-1248 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
AROCLOR-1254 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	330	97 J	130 U
AROCLOR-1260 (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	130 U	180 U	130 U
PCB, TOTAL (UG/KG)	280 U	250 U	270 U	48 U	53 U	150 U	740	537	130 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-16	SL053-16-DP	SL053-17	SL053-17	SL053-17	SL053-17	SL053-17	SL053-17	SL053-18
Sample Date	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/14/01
X-Coordinate	12770181.349	12770181.349	12770181.628	12770181.628	12770181.628	12770181.628	12770181.628	12770181.628	12770296.406
Y-Coordinate	351727.154	351727.154	351615.727	351615.727	351615.727	351615.727	351615.727	351615.727	351615.447
Start Depth	28	28	0	6	12	24	36	48	0
End Depth	44	44	6	12	24	36	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1221 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1232 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1242 (UG/KG)	43 U	47 U	46 UJ	51 UJ	39 J	220 UJ	230 U	230 U	36 J
AROCLOR-1248 (UG/KG)	43 U	47 U	46 UJ	51 UJ	190 UJ	220 UJ	230 U	230 U	230 U
AROCLOR-1254 (UG/KG)	43 U	47 U	46 UJ	51 UJ	27 J	220 UJ	230 U	230 U	52 J
AROCLOR-1260 (UG/KG)	43 U	47 U	46 UJ	51 UJ	16 J	220 UJ	230 U	230 U	230 U
PCB, TOTAL (UG/KG)	43 U	47 U	46 UJ	51 UJ	82	200 UJ	230 U	230 U	88

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-18	SL053-18	SL053-18	SL053-19	SL053-19	SL053-19	SL053-19	SL053-19-DP	SL053-19
Sample Date	08/14/01	08/14/01	08/14/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12770296.406	12770296.406	12770296.406	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598	12770238.598
Y-Coordinate	351615.447	351615.447	351615.447	351631.086	351631.086	351631.086	351631.086	351631.086	351631.086
Start Depth	6	12	18	0	6	12	24	24	36
End Depth	12	18	24	6	12	24	36	36	48
Chemical Name									
AROCLOR-1016 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1221 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1232 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1242 (UG/KG)	32 J	190 UJ	420 J	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1248 (UG/KG)	190 U	190 UJ	80 UJ	45 U	46 U	230 U	200 U	230 U	270 U
AROCLOR-1254 (UG/KG)	31 J	190 UJ	210 J	45 U	46 U	28 J	200 U	230 U	270 U
AROCLOR-1260 (UG/KG)	9.6 J	190 UJ	84 J	45 U	46 U	230 U	200 U	230 U	270 U
PCB, TOTAL (UG/KG)	72.6	190 UJ	714	45 U	46 U	28	200 U	230 U	270 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-19	SL053-20	SL053-20	SL053-20	SL053-20	SL053-20	SL053-20	SL053-21	SL053-21-DP
Sample Date	08/09/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/07/01	08/07/01
X-Coordinate	12770238.598	12770198.663	12770198.663	12770198.663	12770198.663	12770198.663	12770198.663	12770238.539	12770238.539
Y-Coordinate	351631.086	351671.021	351671.021	351671.021	351671.021	351671.021	351671.021	351831.394	351831.394
Start Depth	48	0	6	12	24	36	53	0	0
End Depth	60	6	12	24	36	53	58	6	6
Chemical Name									
AROCLOR-1016 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1221 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1232 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1242 (UG/KG)	360 UJ	50 U	6.3 J	130 J	250 U	180 UJ	58 U	7.2 J	12 J
AROCLOR-1248 (UG/KG)	360 UJ	50 U	56 U	230 U	250 U	180 UJ	58 U	47 U	48 U
AROCLOR-1254 (UG/KG)	360 UJ	50 U	5.6 J	89 J	250 U	180 UJ	58 U	9.6 J	23 J
AROCLOR-1260 (UG/KG)	360 UJ	50 U	56 U	45 J	250 U	180 UJ	58 U	5.8 J	13 J
PCB, TOTAL (UG/KG)	360 UJ	50 U	11.9	264	250 U	180 UJ	58 U	22.6	48

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-21	SL053-21	SL053-21	SL053-21	SL053-21	SL053-21	SL053-22	SL053-22	SL053-22
Sample Date	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01
X-Coordinate	12770238.539	12770238.539	12770238.539	12770238.539	12770238.539	12770238.539	12770123.451	12770123.451	12770123.451
Y-Coordinate	351831.394	351831.394	351831.394	351831.394	351831.394	351831.394	351782.850	351782.850	351782.850
Start Depth	6	12	20	30	42	54	0	4	8
End Depth	12	20	30	40	54	60	4	8	12
Chemical Name									
AROCLOR-1016 (UG/KG)	71 U	85 U	41 U	45 U	44 U	46 U	48 UJ	51 UJ	33 UJ
AROCLOR-1221 (UG/KG)	71 U	85 U	41 U	45 U	44 U	46 U	48 UJ	51 UJ	33 UJ
AROCLOR-1232 (UG/KG)	71 U	85 U	41 U	45 U	44 U	46 U	48 UJ	51 UJ	33 UJ
AROCLOR-1242 (UG/KG)	250	560	41 U	45 U	8.2 J	46 U	48 UJ	12 J	65 J
AROCLOR-1248 (UG/KG)	71 U	85 U	41 U	45 U	44 U	46 U	48 UJ	51 UJ	33 UJ
AROCLOR-1254 (UG/KG)	90	160	41 U	45 U	3.9 J	46 U	48 UJ	51 UJ	44 J
AROCLOR-1260 (UG/KG)	28 J	50 J	41 U	45 U	44 U	46 U	48 UJ	51 UJ	20 J
PCB, TOTAL (UG/KG)	368	770	41 U	45 U	12.1	45 U	48 UJ	12	129

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-22	SL053-22	SL053-22	SL053-23	SL053-23	SL053-23	SL053-23	SL053-23	SL053-23
Sample Date	08/07/01	08/07/01	08/07/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
X-Coordinate	12770123.451	12770123.451	12770123.451	12770079.270	12770079.270	12770079.270	12770079.270	12770079.270	12770079.270
Y-Coordinate	351782.850	351782.850	351782.850	351671.580	351671.580	351671.580	351671.580	351671.580	351671.580
Start Depth	12	24	36	0	6	12	24	30	36
End Depth	24	36	48	6	12	24	30	36	40
Chemical Name									
AROCLOR-1016 (UG/KG)	42 UJ	41 UJ	270 UJ	46 U	87 U	250 U	120 U	47 U	45 U
AROCLOR-1221 (UG/KG)	42 UJ	41 UJ	270 UJ	46 U	87 U	250 U	120 U	47 U	45 U
AROCLOR-1232 (UG/KG)	42 UJ	41 UJ	270 UJ	46 U	87 U	250 U	120 U	47 U	45 U
AROCLOR-1242 (UG/KG)	12 J	41 UJ	270 UJ	46 U	31 J	140 J	120 U	47 U	45 U
AROCLOR-1248 (UG/KG)	42 UJ	41 UJ	270 UJ	46 U	87 U	250 U	120 U	47 U	45 U
AROCLOR-1254 (UG/KG)	6.4 J	41 UJ	270 UJ	46 U	15 J	78 J	120 U	47 U	45 U
AROCLOR-1260 (UG/KG)	4.6 J	41 UJ	270 UJ	46 U	87 U	250 U	120 U	47 U	45 U
PCB, TOTAL (UG/KG)	23	41 UJ	270 UJ	46 U	46	218	120 U	47 U	45 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-24	SL053-24	SL053-24-DP	SL053-24	SL053-24	SL053-25	SL053-25	SL053-25	SL053-25
Sample Date	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
X-Coordinate	12770124.542	12770124.542	12770124.542	12770124.542	12770124.542	12770239.085	12770239.085	12770239.085	12770239.085
Y-Coordinate	351559.764	351559.764	351559.764	351559.764	351559.764	351511.765	351511.765	351511.765	351511.765
Start Depth	0	6	6	12	24	0	6	12	19
End Depth	6	12	12	24	30	6	12	19	24
Chemical Name									
AROCLOR-1016 (UG/KG)	49 UJ	57 UJ	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	57 UJ	180 UJ
AROCLOR-1221 (UG/KG)	49 UJ	57 UJ	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	57 UJ	180 UJ
AROCLOR-1232 (UG/KG)	49 UJ	57 UJ	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	57 UJ	180 UJ
AROCLOR-1242 (UG/KG)	49 UJ	5.1 J	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	10 J	180 UJ
AROCLOR-1248 (UG/KG)	49 UJ	57 UJ	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	57 UJ	180 UJ
AROCLOR-1254 (UG/KG)	49 UJ	7.1 J	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	18 J	180 UJ
AROCLOR-1260 (UG/KG)	49 UJ	4.1 J	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	57 UJ	180 UJ
PCB, TOTAL (UG/KG)	49 UJ	16.3	54 UJ	250 UJ	230 UJ	45 UJ	52 UJ	28	180 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-25	SL053-25	SL053-25-DP	SL053-25	SL053-26	SL053-26	SL053-26	SL053-26-DP	SL053-27
Sample Date	08/08/01	08/08/01	08/08/01	08/08/01	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01
X-Coordinate	12770239.085	12770239.085	12770239.085	12770239.085	12770398.899	12770398.899	12770398.899	12770398.899	12770353.082
Y-Coordinate	351511.765	351511.765	351511.765	351511.765	351671.034	351671.034	351671.034	351671.034	351783.941
Start Depth	24	36	36	48	0	6	12	12	0
End Depth	36	48	48	56	6	12	23	23	6
Chemical Name									
AROCLOR-1016 (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U
AROCLOR-1221 (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U
AROCLOR-1232 (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U
AROCLOR-1242 (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U
AROCLOR-1248 (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U
AROCLOR-1254 (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U
AROCLOR-1260 (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U
PCB, TOTAL (UG/KG)	180 UJ	230 UJ	220 UJ	250 UJ	140 UJ	190 U	190 U	190 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-27	SL053-27	SL053-27	SL053-27	SL053-27	SL053-27	SL053-28	SL053-28	SL053-28
Sample Date	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12770353.082	12770353.082	12770353.082	12770353.082	12770353.082	12770353.082	12770562.926	12770562.926	12770562.926
Y-Coordinate	351783.941	351783.941	351783.941	351783.941	351783.941	351783.941	351670.655	351670.655	351670.655
Start Depth	6	12	24	36	48	54	0	6	12
End Depth	12	24	36	48	54	60	6	12	20
Chemical Name									
AROCLOR-1016 (UG/KG)	55 U	190 U	200 U	170 U	54 U	55 U	46 UJ	51 UJ	56 UJ
AROCLOR-1221 (UG/KG)	55 U	190 U	200 U	170 U	54 U	55 U	46 UJ	51 UJ	56 UJ
AROCLOR-1232 (UG/KG)	55 U	190 U	200 U	170 U	54 U	55 U	46 UJ	51 UJ	56 UJ
AROCLOR-1242 (UG/KG)	19 J	96 J	200 U	170 U	54 U	55 U	46 UJ	18 J	42 J
AROCLOR-1248 (UG/KG)	55 U	190 U	200 U	170 U	54 U	55 U	46 UJ	51 UJ	56 UJ
AROCLOR-1254 (UG/KG)	18 J	84 J	200 U	170 U	54 U	55 U	46 UJ	12 J	19 J
AROCLOR-1260 (UG/KG)	9.1 J	56 J	200 U	170 U	54 U	55 U	46 UJ	3.6 J	6.4 J
PCB, TOTAL (UG/KG)	46.1	236	200 U	170 U	54 U	55 U	46 UJ	33.6	67.4

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-28	SL053-28	SL053-28	SL053-28	SL053-29	SL053-29	SL053-29	SL053-29-DP	SL053-29
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12770562.926	12770562.926	12770562.926	12770562.926	12770467.049	12770467.049	12770467.049	12770467.049	12770467.049
Y-Coordinate	351670.655	351670.655	351670.655	351670.655	351897.921	351897.921	351897.921	351897.921	351897.921
Start Depth	20	24	36	48	0	6	12	12	18
End Depth	24	36	48	53	6	12	18	18	22
Chemical Name									
AROCLOR-1016 (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	57 UJ	48 UJ	44 UJ	44 UJ	57 UJ
AROCLOR-1221 (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	57 UJ	48 UJ	44 UJ	44 UJ	57 UJ
AROCLOR-1232 (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	57 UJ	48 UJ	44 UJ	44 UJ	57 UJ
AROCLOR-1242 (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	11 J	13 J	44 UJ	44 UJ	32 J
AROCLOR-1248 (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	57 UJ	48 UJ	44 UJ	44 UJ	57 UJ
AROCLOR-1254 (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	6 J	4 J	44 UJ	44 UJ	57 UJ
AROCLOR-1260 (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	57 UJ	48 UJ	44 UJ	44 UJ	57 UJ
PCB, TOTAL (UG/KG)	78 UJ	63 UJ	42 UJ	42 UJ	17	17	44 UJ	44 UJ	32

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-29	SL053-29	SL053-29	SL053-30	SL053-30	SL053-30	SL053-30	SL053-30	SL053-30
Sample Date	08/09/01	08/09/01	08/09/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01
X-Coordinate	12770467.049	12770467.049	12770467.049	12770240.966	12770240.966	12770240.966	12770240.966	12770240.966	12770240.966
Y-Coordinate	351897.921	351897.921	351897.921	351991.432	351991.432	351991.432	351991.432	351991.432	351991.432
Start Depth	24	36	48	0	6	12	24	36	42
End Depth	36	42	54	6	12	24	36	42	46
Chemical Name									
AROCLOR-1016 (UG/KG)	170 U	100 U	50 U	99 U	150 U	54 U	47 U	47 UJ	43 UJ
AROCLOR-1221 (UG/KG)	170 U	100 U	50 U	99 U	150 U	54 U	47 U	47 UJ	43 UJ
AROCLOR-1232 (UG/KG)	170 U	100 U	50 U	99 U	150 U	54 U	47 U	47 UJ	43 UJ
AROCLOR-1242 (UG/KG)	220	100 U	50 U	230	160	16 J	3.9 J	3.7 J	43 UJ
AROCLOR-1248 (UG/KG)	170 U	100 U	50 U	99 U	150 U	54 U	47 U	47 UJ	43 UJ
AROCLOR-1254 (UG/KG)	110 J	100 U	50 U	150	85 J	5.1 J	1.6 J	2.5 J	43 UJ
AROCLOR-1260 (UG/KG)	42 J	100 U	50 U	66 J	81 J	3.4 J	47 U	1.6 J	43 UJ
PCB, TOTAL (UG/KG)	372	100 U	50 U	446	326	24.5	5.5	7.8	43 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-30	SL053-30	SL053-31	SL053-31	SL053-31	SL053-31	SL053-31	SL053-31-DP	SL053-31
Sample Date	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01	08/07/01
X-Coordinate	12770240.966	12770240.966	12770008.965	12770008.965	12770008.965	12770008.965	12770008.965	12770008.965	12770008.965
Y-Coordinate	351991.432	351991.432	351895.554	351895.554	351895.554	351895.554	351895.554	351895.554	351895.554
Start Depth	46	49	0	6	12	15	24	24	36
End Depth	49	60	6	12	15	24	36	36	39
Chemical Name									
AROCLOR-1016 (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	53 UJ	10 UJ	130 UJ	75 UJ	47 UJ
AROCLOR-1221 (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	53 UJ	10 UJ	130 UJ	75 UJ	47 UJ
AROCLOR-1232 (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	53 UJ	10 UJ	130 UJ	75 UJ	47 UJ
AROCLOR-1242 (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	48 J	330 J	130 UJ	75 UJ	47 UJ
AROCLOR-1248 (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	53 UJ	10 UJ	130 UJ	75 UJ	47 UJ
AROCLOR-1254 (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	18 J	100 J	130 UJ	75 UJ	47 UJ
AROCLOR-1260 (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	53 UJ	64 J	130 UJ	75 UJ	47 UJ
PCB, TOTAL (UG/KG)	58 UJ	53 UJ	46 UJ	48 UJ	66	494	130 UJ	75 UJ	47 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-32	SL053-32	SL053-32	SL053-32	SL053-32	SL053-32-DP	SL053-32	SL053-32	SL053-33
Sample Date	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
X-Coordinate	12769919.006	12769919.006	12769919.006	12769919.006	12769919.006	12769919.006	12769919.006	12769919.006	12770007.782
Y-Coordinate	351670.655	351670.655	351670.655	351670.655	351670.655	351670.655	351670.655	351670.655	351448.124
Start Depth	0	6	12	24	30	30	36	47	0
End Depth	6	12	24	30	36	36	47	50	6
Chemical Name									
AROCLOR-1016 (UG/KG)	47 UJ	78 UJ	150 U	63 U	45 U	45 U	43 UJ	42 UJ	48 UJ
AROCLOR-1221 (UG/KG)	47 UJ	78 UJ	150 U	63 U	45 U	45 U	43 UJ	42 UJ	48 UJ
AROCLOR-1232 (UG/KG)	47 UJ	78 UJ	150 U	63 U	45 U	45 U	43 UJ	42 UJ	48 UJ
AROCLOR-1242 (UG/KG)	47 UJ	24 J	130 J	12 J	45 U	45 U	43 UJ	42 UJ	48 UJ
AROCLOR-1248 (UG/KG)	47 UJ	78 UJ	150 U	63 U	45 U	45 U	43 UJ	42 UJ	48 UJ
AROCLOR-1254 (UG/KG)	47 UJ	13 J	38 J	7.5 J	45 U	45 U	43 UJ	42 UJ	48 UJ
AROCLOR-1260 (UG/KG)	47 UJ	6.8 J	14 J	63 U	45 U	45 U	43 UJ	42 UJ	48 UJ
PCB, TOTAL (UG/KG)	47 UJ	43.8	182	19.5	45 U	45 U	43 UJ	42 UJ	48 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-33	SL053-33	SL053-33-DP	SL053-33	SL053-33	SL053-33	SL053-34	SL053-34	SL053-34
Sample Date	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
X-Coordinate	12770007.782	12770007.782	12770007.782	12770007.782	12770007.782	12770007.782	12770205.546	12770205.546	12770205.546
Y-Coordinate	351448.124	351448.124	351448.124	351448.124	351448.124	351448.124	351335.191	351335.191	351335.191
Start Depth	6	12	12	24	36	48	0	6	12
End Depth	12	24	24	36	48	54	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U
AROCLOR-1221 (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U
AROCLOR-1232 (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U
AROCLOR-1242 (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U
AROCLOR-1248 (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U
AROCLOR-1254 (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U
AROCLOR-1260 (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U
PCB, TOTAL (UG/KG)	61 UJ	190 UJ	76 UJ	200 UJ	250 U	270 U	43 U	41 U	46 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-34	SL053-34	SL053-34	SL053-34	SL053-34-DP	SL053-34	SL053-35	SL053-35	SL053-35
Sample Date	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/08/01	08/09/01	08/09/01	08/09/01
X-Coordinate	12770205.546	12770205.546	12770205.546	12770205.546	12770205.546	12770205.546	12770471.783	12770471.783	12770471.783
Y-Coordinate	351335.191	351335.191	351335.191	351335.191	351335.191	351335.191	351446.940	351446.940	351446.940
Start Depth	18	28	36	40	40	48	0	6	12
End Depth	28	36	40	48	48	58	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	52 U	55 U	220 U	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ
AROCLOR-1221 (UG/KG)	52 U	55 U	220 U	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ
AROCLOR-1232 (UG/KG)	52 U	55 U	220 U	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ
AROCLOR-1242 (UG/KG)	52 U	21 J	44 J	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ
AROCLOR-1248 (UG/KG)	52 U	55 U	220 U	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ
AROCLOR-1254 (UG/KG)	52 U	18 J	37 J	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ
AROCLOR-1260 (UG/KG)	52 U	55 U	220 U	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ
PCB, TOTAL (UG/KG)	52 U	39	81	190 UJ	190 UJ	82 UJ	45 UJ	45 UJ	47 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-35	SL053-35	SL053-35	SL053-35	SL053-36	SL053-36	SL053-36-DP	SL053-36	SL053-36
Sample Date	08/09/01	08/09/01	08/09/01	08/09/01	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01
X-Coordinate	12770471.783	12770471.783	12770471.783	12770471.783	12770354.599	12770354.599	12770354.599	12770354.599	12770354.599
Y-Coordinate	351446.940	351446.940	351446.940	351446.940	351559.390	351559.390	351559.390	351559.390	351559.390
Start Depth	18	24	36	48	0	6	6	12	24
End Depth	24	36	48	60	6	12	12	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	52 UJ	170 UJ	160 UJ	220 UJ	80 U	48 U	46 U	43 U	46 U
AROCLOR-1221 (UG/KG)	52 UJ	170 UJ	160 UJ	220 UJ	80 U	48 U	46 U	43 U	46 U
AROCLOR-1232 (UG/KG)	52 UJ	170 UJ	160 UJ	220 UJ	80 U	48 U	46 U	43 U	46 U
AROCLOR-1242 (UG/KG)	52 UJ	170 UJ	160 UJ	220 UJ	80 U	48 U	46 U	43 U	46 U
AROCLOR-1248 (UG/KG)	52 UJ	170 UJ	160 UJ	220 UJ	80 U	48 U	46 U	43 U	46 U
AROCLOR-1254 (UG/KG)	6 J	170 UJ	160 UJ	220 UJ	14 J	48 U	46 U	43 U	46 U
AROCLOR-1260 (UG/KG)	52 UJ	170 UJ	160 UJ	220 UJ	80 U	48 U	46 U	43 U	46 U
PCB, TOTAL (UG/KG)	6	170 UJ	160 UJ	220 UJ	14	48 U	46 U	43 U	46 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-14

Phase II- Grid 4- SL053 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL053-36	SL053-36
Sample Date	08/14/01	08/14/01
X-Coordinate	12770354.599	12770354.599
Y-Coordinate	351559.390	351559.390
Start Depth	36	42
End Depth	42	48
Chemical Name		
AROCLOR-1016 (UG/KG)	67 U	160 U
AROCLOR-1221 (UG/KG)	67 U	160 U
AROCLOR-1232 (UG/KG)	67 U	160 U
AROCLOR-1242 (UG/KG)	67 U	160 U
AROCLOR-1248 (UG/KG)	67 U	160 U
AROCLOR-1254 (UG/KG)	67 U	160 U
AROCLOR-1260 (UG/KG)	67 U	160 U
PCB, TOTAL (UG/KG)	67 U	160 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-1	SD030-2	SD030-3	SD030-4	SD030-5	SD030-6	SD030-7	SD030-8	SD030-9
Sample Date	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/17/01
X-Coordinate	12772246.995	12772246.995	12772254.230	12772254.155	12772250.556	12772240.586	12772260.639	12772250.575	12772236.257
Y-Coordinate	352700.216	352693.319	352693.244	352700.291	352706.813	352696.768	352696.805	352686.760	352682.749
Start Depth	0	0	0	0	0	0	0	0	0
End Depth	3	8	13	12	7	6	11	7	6
Chemical Name									
AROCLOR-1016 (UG/KG)	37 U	36 U	39 U	37 U	36 U	37 U	38 U	37 U	44 UJ
AROCLOR-1221 (UG/KG)	37 U	36 U	39 U	37 U	36 U	37 U	38 U	37 U	44 UJ
AROCLOR-1232 (UG/KG)	37 U	36 U	39 U	37 U	36 U	37 U	38 U	37 U	44 UJ
AROCLOR-1242 (UG/KG)	190	130	18 J	56	28 J	110 J	26 J	43	680 DJ
AROCLOR-1248 (UG/KG)	37 U	36 U	39 U	37 U	36 U	37 U	38 U	37 U	44 UJ
AROCLOR-1254 (UG/KG)	48	25 J	8.3 J	17 J	12 J	23 J	12 J	7.5 J	330 J
AROCLOR-1260 (UG/KG)	37 U	36 U	4.4 J	37 U	36 U	37 U	6.6 J	4.9 J	140 J
PCB, TOTAL (UG/KG)	238	155	30.7	73	40	133	44.6	55.4	1150

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-9	SD030-9	SD030-9	SD030-9	SD030-9-DP	SD030-9	SD030-10	SD030-10	SD030-11
Sample Date	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/14/01	08/14/01	08/15/01
X-Coordinate	12772236.257	12772236.257	12772236.257	12772236.257	12772236.257	12772236.257	12772236.182	12772236.182	12772264.800
Y-Coordinate	352682.749	352682.749	352682.749	352682.749	352682.749	352682.749	352710.636	352710.636	352710.786
Start Depth	6	12	18	24	24	36	0	6	0
End Depth	12	18	24	36	36	48	6	13	5
Chemical Name									
AROCLOR-1016 (UG/KG)	38 UJ	46 UJ	73 UJ	45 UJ	39 UJ	39 UJ	67 U	38 U	33 U
AROCLOR-1221 (UG/KG)	38 UJ	46 UJ	73 UJ	45 UJ	39 UJ	39 UJ	67 U	38 U	33 U
AROCLOR-1232 (UG/KG)	38 UJ	46 UJ	73 UJ	45 UJ	39 UJ	39 UJ	67 U	38 U	33 U
AROCLOR-1242 (UG/KG)	540 DJ	11000 DJ	19000 DJ	1500 DJ	970 DJ	260 J	35000 DJ	380	34
AROCLOR-1248 (UG/KG)	38 UJ	46 UJ	73 UJ	45 UJ	39 UJ	39 UJ	67 U	38 U	33 U
AROCLOR-1254 (UG/KG)	180 J	3100 DJ	9600 DJ	940 DJ	270 J	120 J	6400 DJ	120	17 J
AROCLOR-1260 (UG/KG)	99 J	300 J	3700 DJ	210 J	110 J	48 J	2100 DJ	43	11 J
PCB, TOTAL (UG/KG)	819	14400	32300	2650	1350	428	43500	543	62

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-12	SD030-13	SD030-14	SD030-15	SD030-16	SD030-16	SD030-16	SD030-16-DP	SD030-16
Sample Date	08/15/01	08/14/01	08/14/01	08/15/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01
X-Coordinate	12772264.950	12772250.577	12772307.547	12772290.791	12772193.327	12772193.327	12772193.327	12772193.327	12772193.327
Y-Coordinate	352682.937	352736.940	352752.858	352697.004	352752.578	352752.578	352752.578	352752.578	352752.578
Start Depth	0	0	0	0	0	6	12	12	24
End Depth	5	7	14	3	6	12	24	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	33 U	38 U	37 U	38 U	50 UJ	37 UJ	62 UJ	64 UJ	67 UJ
AROCLOR-1221 (UG/KG)	33 U	38 U	37 U	38 U	50 UJ	37 UJ	62 UJ	64 UJ	67 UJ
AROCLOR-1232 (UG/KG)	33 U	38 U	37 U	38 U	50 UJ	37 UJ	62 UJ	64 UJ	67 UJ
AROCLOR-1242 (UG/KG)	34 J	49	48 J	62 J	590 DJ	220 J	12000 DJ	11000 DJ	5500 DJ
AROCLOR-1248 (UG/KG)	33 U	38 U	37 U	38 U	50 UJ	37 UJ	62 UJ	64 UJ	67 U
AROCLOR-1254 (UG/KG)	26 J	18 J	23 J	52	900 DJ	620 DJ	6800 DJ	6900 DJ	3400 DJ
AROCLOR-1260 (UG/KG)	9.1 J	9.2 J	37 U	22 J	270 J	200 J	1100 DJ	1300 DJ	830 DJ
PCB, TOTAL (UG/KG)	69.1	76.2	71	136	1760	1040	19900	19200	9730

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-16	SD030-17	SD030-17	SD030-17	SD030-17	SD030-17	SD030-17	SD030-17-DP	SD030-18
Sample Date	08/17/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/14/01
X-Coordinate	12772193.327	12772193.606	12772193.606	12772193.606	12772193.606	12772193.606	12772193.606	12772193.606	12772308.385
Y-Coordinate	352752.578	352641.151	352641.151	352641.151	352641.151	352641.151	352641.151	352641.151	352640.872
Start Depth	36	0	6	12	24	30	42	42	0
End Depth	45	6	12	24	30	42	54	54	6
Chemical Name									
AROCLOR-1016 (UG/KG)	64 UJ	47 UJ	58 UJ	59 UJ	55 UJ	56 UJ	48 UJ	48 UJ	38 U
AROCLOR-1221 (UG/KG)	64 UJ	47 UJ	58 UJ	59 UJ	55 UJ	56 UJ	48 UJ	48 UJ	38 U
AROCLOR-1232 (UG/KG)	64 UJ	47 UJ	58 UJ	59 UJ	55 UJ	56 UJ	48 UJ	48 UJ	38 U
AROCLOR-1242 (UG/KG)	610 J	780 DJ	6400 DJ	1000 DJ	65 J	48 J	50 J	55 J	75
AROCLOR-1248 (UG/KG)	64 UJ	47 UJ	58 UJ	59 UJ	55 UJ	56 UJ	48 UJ	48 UJ	38 U
AROCLOR-1254 (UG/KG)	660 DJ	1100 DJ	7000 DJ	1400 DJ	62 J	50 J	53 J	57 J	29 J
AROCLOR-1260 (UG/KG)	150 J	190 J	2100 DJ	340 J	24 J	11 J	12 J	14 J	13 J
PCB, TOTAL (UG/KG)	1420	2070	15500	2740	151	109	115	126	117

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-18	SD030-18	SD030-19	SD030-19-DP	SD030-20	SD030-20	SD030-20	SD030-20	SD030-20
Sample Date	08/14/01	08/14/01	08/14/01	08/14/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01
X-Coordinate	12772308.385	12772308.385	12772250.577	12772250.577	12772210.642	12772210.642	12772210.642	12772210.642	12772210.642
Y-Coordinate	352640.872	352640.872	352656.511	352656.511	352696.446	352696.446	352696.446	352696.446	352696.446
Start Depth	6	12	0	0	0	6	12	24	30
End Depth	12	24	7	7	6	12	24	30	42
Chemical Name									
AROCLOR-1016 (UG/KG)	38 U	38 U	38 U	39 U	55 UJ	63 UJ	69 UJ	73 UJ	57 UJ
AROCLOR-1221 (UG/KG)	38 U	38 U	38 U	39 U	55 UJ	63 UJ	69 UJ	73 UJ	57 UJ
AROCLOR-1232 (UG/KG)	38 U	38 U	38 U	39 U	55 UJ	63 UJ	69 UJ	73 UJ	57 UJ
AROCLOR-1242 (UG/KG)	38 U	160	47	120	2300 DJ	4900 DJ	1600 DJ	190 J	86 J
AROCLOR-1248 (UG/KG)	38 U	38 U	38 U	39 U	55 UJ	63 UJ	69 U	73 UJ	57 UJ
AROCLOR-1254 (UG/KG)	38 U	63	19 J	100	2800 DJ	5200 DJ	2000 DJ	220 J	100 J
AROCLOR-1260 (UG/KG)	38 U	21 J	7.1 J	47	870 DJ	1400 DJ	460 J	110 J	35 J
PCB, TOTAL (UG/KG)	38 U	244	73.1	267	5970	11500	4060	520	221

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-20	SD030-20	SD030-22	SD030-22	SD030-22	SD030-22	SD030-22	SD030-22	SD030-22-DP
Sample Date	08/16/01	08/16/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01
X-Coordinate	12772210.642	12772210.642	12772135.430	12772135.430	12772135.430	12772135.430	12772135.430	12772135.430	12772135.430
Y-Coordinate	352696.446	352696.446	352808.275	352808.275	352808.275	352808.275	352808.275	352808.275	352808.275
Start Depth	42	48	0	6	12	24	36	48	48
End Depth	48	60	6	12	24	36	48	60	60
Chemical Name									
AROCLOR-1016 (UG/KG)	64 UJ	61 UJ	48 UJ	50 UJ	54 UJ	56 UJ	55 UJ	59 UJ	51 UJ
AROCLOR-1221 (UG/KG)	64 UJ	61 UJ	48 UJ	50 UJ	54 UJ	56 UJ	55 UJ	59 UJ	51 UJ
AROCLOR-1232 (UG/KG)	64 UJ	61 UJ	48 UJ	50 UJ	54 UJ	56 UJ	55 UJ	59 UJ	51 UJ
AROCLOR-1242 (UG/KG)	79 J	270 J	460 DJ	710 DJ	380 DJ	190 J	91 J	50 J	16 J
AROCLOR-1248 (UG/KG)	64 UJ	61 UJ	48 U	50 UJ	54 UJ	56 UJ	55 UJ	59 UJ	51 UJ
AROCLOR-1254 (UG/KG)	99 J	170 J	1200 DJ	1500 DJ	960 DJ	210 J	84 J	36 J	17 J
AROCLOR-1260 (UG/KG)	34 J	64 J	280	400 J	360 J	59 J	26 J	15 J	6.3 J
PCB, TOTAL (UG/KG)	212	504	1940	2610	1700	459	201	101	39.3

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-23	SD030-23	SD030-23	SD030-23	SD030-23	SD030-24	SD030-24	SD030-24	SD030-24
Sample Date	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01
X-Coordinate	12772091.249	12772091.249	12772091.249	12772091.249	12772091.249	12772136.520	12772136.520	12772136.520	12772136.520
Y-Coordinate	352697.004	352697.004	352697.004	352697.004	352697.004	352585.189	352585.189	352585.189	352585.189
Start Depth	0	6	12	24	36	0	6	12	18
End Depth	6	12	24	36	42	6	12	18	24
Chemical Name									
AROCLOR-1016 (UG/KG)	47 UJ	40 UJ	53 UJ	45 UJ	47 UJ	47 UJ	51 UJ	49 UJ	54 UJ
AROCLOR-1221 (UG/KG)	47 UJ	40 UJ	53 UJ	45 UJ	47 UJ	47 UJ	51 UJ	49 UJ	54 UJ
AROCLOR-1232 (UG/KG)	47 UJ	40 UJ	53 UJ	45 UJ	47 UJ	47 UJ	51 UJ	49 UJ	54 UJ
AROCLOR-1242 (UG/KG)	1000 DJ	360 DJ	220 J	32 J	23 J	1100 DJ	3400 DJ	1500 DJ	130 J
AROCLOR-1248 (UG/KG)	47 UJ	40 UJ	53 UJ	45 UJ	47 UJ	47 U	51 UJ	49 UJ	54 UJ
AROCLOR-1254 (UG/KG)	770 DJ	340 J	190 J	31 J	21 J	1800 DJ	3900 DJ	2000 DJ	160 J
AROCLOR-1260 (UG/KG)	270 J	160 J	77 J	16 J	8.9 J	860 DJ	1100 DJ	590 DJ	75 J
PCB, TOTAL (UG/KG)	2040	860	487	79	52.9	3760	8400	4090	365

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-24	SD030-24	SD030-25	SD030-26	SD030-26	SD030-26	SD030-26-DP	SD030-26	SD030-26
Sample Date	08/17/01	08/17/01	08/14/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01
X-Coordinate	12772136.520	12772136.520	12772251.063	12772410.877	12772410.877	12772410.877	12772410.877	12772410.877	12772410.877
Y-Coordinate	352585.189	352585.189	352537.190	352696.459	352696.459	352696.459	352696.459	352696.459	352696.459
Start Depth	24	30	0	0	6	12	12	24	34
End Depth	30	42	5	6	12	24	24	34	48
Chemical Name									
AROCLOR-1016 (UG/KG)	44 UJ	38 UJ	37 U	42 U	39 U	48 U	48 U	120 U	54 U
AROCLOR-1221 (UG/KG)	44 UJ	38 UJ	37 U	42 U	39 U	48 U	48 U	120 U	54 U
AROCLOR-1232 (UG/KG)	44 UJ	38 UJ	37 U	42 U	39 U	48 U	48 U	120 U	54 U
AROCLOR-1242 (UG/KG)	93 J	34 J	60	260 J	220 J	760 D	550 D	240	25 J
AROCLOR-1248 (UG/KG)	44 UJ	38 UJ	37 U	42 U	39 U	48 U	48 U	120 U	54 U
AROCLOR-1254 (UG/KG)	120 J	62 J	41	550 D	450 D	1200 D	640 D	240	44 J
AROCLOR-1260 (UG/KG)	36 J	22 J	17 J	240	220	490 J	240	150	25 J
PCB, TOTAL (UG/KG)	249	118	118	1050	890	2450	1430	630	94

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-26	SD030-27	SD030-27	SD030-27	SD030-27	SD030-27	SD030-27	SD030-27	SD030-28
Sample Date	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01
X-Coordinate	12772410.877	12772365.060	12772365.060	12772365.060	12772365.060	12772365.060	12772365.060	12772365.060	12772574.905
Y-Coordinate	352696.459	352809.365	352809.365	352809.365	352809.365	352809.365	352809.365	352809.365	352696.080
Start Depth	48	0	6	12	18	30	42	54	0
End Depth	54	6	12	18	30	42	54	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	55 U	56 U	55 U	61 U	63 U	57 U	57 U	63 U	42 U
AROCLOR-1221 (UG/KG)	55 U	56 U	55 U	61 U	63 U	57 U	57 U	63 U	42 U
AROCLOR-1232 (UG/KG)	55 U	56 U	55 U	61 U	63 U	57 U	57 U	63 U	42 U
AROCLOR-1242 (UG/KG)	10 J	1400 D	77 J	190 J	55 J	41 J	23 J	26 J	630 D
AROCLOR-1248 (UG/KG)	55 U	56 U	55 U	61 U	63 U	57 U	57 U	63 U	42 U
AROCLOR-1254 (UG/KG)	20 J	1900 D	45 J	260	73 J	45 J	24 J	26 J	810 D
AROCLOR-1260 (UG/KG)	55 U	790 DJ	130 J	170	60 J	20 J	57 U	63 U	290 J
PCB, TOTAL (UG/KG)	30	4090	252	620	188	106	47	52	1730

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-28	SD030-28	SD030-28	SD030-28	SD030-28	SD030-28	SD030-29	SD030-29	SD030-29
Sample Date	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01
X-Coordinate	12772574.905	12772574.905	12772574.905	12772574.905	12772574.905	12772574.905	12772479.027	12772479.027	12772479.027
Y-Coordinate	352696.080	352696.080	352696.080	352696.080	352696.080	352696.080	352923.346	352923.346	352923.346
Start Depth	6	12	24	36	48	54	0	6	12
End Depth	12	24	36	48	54	60	6	12	18
Chemical Name									
AROCLOR-1016 (UG/KG)	67 U	56 U	61 U	63 U	45 U	39 U	60 U	54 U	51 U
AROCLOR-1221 (UG/KG)	67 U	56 U	61 U	63 U	45 U	39 U	60 U	54 U	51 U
AROCLOR-1232 (UG/KG)	67 U	56 U	61 U	63 U	45 U	39 U	60 U	54 U	51 U
AROCLOR-1242 (UG/KG)	1500 D	180 J	43 J	24 J	31 J	6.2 J	3300 DJ	140 J	140 J
AROCLOR-1248 (UG/KG)	67 U	56 U	61 U	63 U	45 U	39 U	60 U	54 U	51 U
AROCLOR-1254 (UG/KG)	2000 D	240 J	86	27 J	27 J	7.6 J	2800 DJ	88	93 J
AROCLOR-1260 (UG/KG)	720 J	240 J	26 J	15 J	14 J	4 J	1300 D	55 J	36 J
PCB, TOTAL (UG/KG)	4220	660	155	66	72	17.8	7400	283	269

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-29	SD030-29	SD030-29-DP	SD030-29	SD030-29	SD030-30	SD030-30	SD030-30	SD030-30
Sample Date	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/14/01	08/14/01	08/14/01	08/14/01
X-Coordinate	12772479.027	12772479.027	12772479.027	12772479.027	12772479.027	12772252.945	12772252.945	12772252.945	12772252.945
Y-Coordinate	352923.346	352923.346	352923.346	352923.346	352923.346	353016.857	353016.857	353016.857	353016.857
Start Depth	18	24	24	30	36	0	4	12	18
End Depth	24	30	30	36	42	4	12	18	30
Chemical Name									
AROCLOR-1016 (UG/KG)	45 U	44 U	37 U	50 U	58 U	39 U	34 U	33 U	62 U
AROCLOR-1221 (UG/KG)	45 U	44 U	37 U	50 U	58 U	39 U	34 U	33 U	62 U
AROCLOR-1232 (UG/KG)	45 U	44 U	37 U	50 U	58 U	39 U	34 U	33 U	62 U
AROCLOR-1242 (UG/KG)	45 U	32 J	37 U	50 U	41 J	170 J	110	150 J	22000 DJ
AROCLOR-1248 (UG/KG)	45 U	44 U	37 U	50 U	58 U	39 U	34 U	33 U	62 U
AROCLOR-1254 (UG/KG)	6 J	24 J	21 J	50 U	30 J	80	26 J	37 J	9800 DJ
AROCLOR-1260 (UG/KG)	2.6 J	9.8 J	37 U	50 U	14 J	41 J	34 U	33 U	1800 DJ
PCB, TOTAL (UG/KG)	8.6	65.8	21	50 U	85	291	136	187	33600

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-30-DP	SD030-31	SD030-31	SD030-31	SD030-31	SD030-31	SD030-31	SD030-31	SD030-32
Sample Date	08/14/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/16/01
X-Coordinate	12772252.945	12772020.944	12772020.944	12772020.944	12772020.944	12772020.944	12772020.944	12772020.944	12771930.984
Y-Coordinate	353016.857	352920.979	352920.979	352920.979	352920.979	352920.979	352920.979	352920.979	352696.080
Start Depth	18	0	6	12	18	24	36	48	0
End Depth	30	6	12	18	24	36	48	54	4
Chemical Name									
AROCLOR-1016 (UG/KG)	76 U	46 UJ	49 U	48 UJ	47 UJ	45 UJ	48 UJ	50 UJ	35 UJ
AROCLOR-1221 (UG/KG)	76 U	46 UJ	49 U	48 UJ	47 UJ	45 UJ	48 UJ	50 UJ	35 UJ
AROCLOR-1232 (UG/KG)	76 U	46 UJ	49 U	48 UJ	47 UJ	45 UJ	48 UJ	50 UJ	35 UJ
AROCLOR-1242 (UG/KG)	25000 DJ	950 DJ	2100 DJ	120 J	44 J	30 J	7.4 J	11 J	20 J
AROCLOR-1248 (UG/KG)	76 U	46 UJ	49 U	48 UJ	47 UJ	45 UJ	48 UJ	50 UJ	35 UJ
AROCLOR-1254 (UG/KG)	3800 DJ	1400 DJ	3400 DJ	180 J	33 J	34 J	11 J	25 J	21 J
AROCLOR-1260 (UG/KG)	1400 DJ	570 DJ	1200 DJ	78 J	18 J	8.9 J	48 UJ	10 J	7.4 J
PCB, TOTAL (UG/KG)	30200	2920	6700	378	95	72.9	18.4	46	48.4

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-32	SD030-32	SD030-32	SD030-33	SD030-33	SD030-33	SD030-33	SD030-33	SD030-33
Sample Date	08/16/01	08/16/01	08/16/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01
X-Coordinate	12771930.984	12771930.984	12771930.984	12772001.658	12772001.658	12772001.658	12772001.658	12772001.658	12772001.658
Y-Coordinate	352696.080	352696.080	352696.080	352507.882	352507.882	352507.882	352507.882	352507.882	352507.882
Start Depth	4	12	24	0	6	12	24	30	36
End Depth	12	24	33	6	12	24	30	36	48
Chemical Name									
AROCLOR-1016 (UG/KG)	56 UJ	47 UJ	48 UJ	49 UJ	55 UJ	61 UJ	52 UJ	48 UJ	44 UJ
AROCLOR-1221 (UG/KG)	56 UJ	47 UJ	48 UJ	49 UJ	55 UJ	61 UJ	52 UJ	48 UJ	44 UJ
AROCLOR-1232 (UG/KG)	56 UJ	47 UJ	48 UJ	49 UJ	55 UJ	61 UJ	52 UJ	48 UJ	44 UJ
AROCLOR-1242 (UG/KG)	56 UJ	47 UJ	48 UJ	950 DJ	5700 DJ	960 DJ	60 J	37 J	39 J
AROCLOR-1248 (UG/KG)	56 UJ	47 UJ	48 UJ	49 UJ	55 UJ	61 UJ	52 UJ	48 UJ	44 UJ
AROCLOR-1254 (UG/KG)	56 UJ	47 UJ	48 UJ	1100 DJ	3700 DJ	480 J	59 J	27 J	39 J
AROCLOR-1260 (UG/KG)	56 UJ	47 UJ	48 UJ	330 J	1400 DJ	170 J	20 J	10 J	16 J
PCB, TOTAL (UG/KG)	56 UJ	47 UJ	47 UJ	2380	10800	1610	139	74	94

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-33	SD030-34	SD030-34	SD030-34	SD030-34	SD030-34	SD030-34	SD030-34	SD030-35
Sample Date	08/17/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/14/01
X-Coordinate	12772001.658	12772255.312	12772255.312	12772255.312	12772255.312	12772255.312	12772255.312	12772255.312	12772478.030
Y-Coordinate	352507.882	352375.303	352375.303	352375.303	352375.303	352375.303	352375.303	352375.303	352473.146
Start Depth	48	0	6	12	18	24	30	42	0
End Depth	54	6	12	18	24	30	42	54	3
Chemical Name									
AROCLOR-1016 (UG/KG)	42 UJ	55 U	52 U	53 U	59 U	67 U	59 U	50 U	38 U
AROCLOR-1221 (UG/KG)	42 UJ	55 U	52 U	53 U	59 U	67 U	59 U	50 U	38 U
AROCLOR-1232 (UG/KG)	42 UJ	55 U	52 U	53 U	59 U	67 U	59 U	50 U	38 U
AROCLOR-1242 (UG/KG)	20 J	4200 D	170 J	230 J	130 J	100 J	84 J	11 J	36 J
AROCLOR-1248 (UG/KG)	42 UJ	55 U	52 U	53 U	59 U	67 U	59 U	50 U	38 U
AROCLOR-1254 (UG/KG)	19 J	2900 D	200 J	250 J	150 J	99 J	73 J	50 U	19 J
AROCLOR-1260 (UG/KG)	42 UJ	1300 D	100 J	120 J	63 J	42 J	37 J	50 U	38 U
PCB, TOTAL (UG/KG)	39	8400	470	600	343	241	194	11	55

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-15

Phase II- Grid 5- SD030 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD030-36	SD030-36	SD030-36	SD030-36	SD030-36	SD030-36-DP	SD030-36
Sample Date	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01
X-Coordinate	12772366.578	12772366.578	12772366.578	12772366.578	12772366.578	12772366.578	12772366.578
Y-Coordinate	352584.814	352584.814	352584.814	352584.814	352584.814	352584.814	352584.814
Start Depth	0	6	12	18	24	24	36
End Depth	6	12	18	24	36	36	48
Chemical Name							
AROCLOR-1016 (UG/KG)	55 U	52 U	63 U	68 UJ	70 U	71 U	37 U
AROCLOR-1221 (UG/KG)	55 U	52 U	63 U	68 UJ	70 U	71 U	37 U
AROCLOR-1232 (UG/KG)	55 U	52 U	63 U	68 UJ	70 U	71 U	37 U
AROCLOR-1242 (UG/KG)	1100 DJ	3600 DJ	14000 DJ	24000 DJ	15000 DJ	22000 DJ	210 J
AROCLOR-1248 (UG/KG)	55 U	52 U	63 U	68 UJ	70 U	71 U	37 U
AROCLOR-1254 (UG/KG)	1300 D	1300 DJ	11000 DJ	2800 DJ	3500 DJ	4500 DJ	65 J
AROCLOR-1260 (UG/KG)	800 D	660 DJ	15000 DJ	1300 DJ	2100 DJ	1800 DJ	25 J
PCB, TOTAL (UG/KG)	3200	5560	40000	28100	20600	28300	300

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-1	SL012-1	SL012-1	SL012-1	SL012-1	SL012-1	SL012-1	SL012-2	SL012-2
Sample Date	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/22/01	08/22/01
X-Coordinate	12776834.389	12776834.389	12776834.389	12776834.389	12776834.389	12776834.389	12776834.389	12776834.389	12776834.389
Y-Coordinate	349772.856	349772.856	349772.856	349772.856	349772.856	349772.856	349772.856	349765.960	349765.960
Start Depth	0	6	12	18	22	27	37	0	6
End Depth	6	12	18	22	27	37	46	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	62 UJ	42 UJ	49 UJ	41 UJ	45 UJ	56 UJ	64 UJ	76 U	59 U
AROCLOR-1221 (UG/KG)	62 UJ	42 UJ	49 UJ	41 UJ	45 UJ	56 UJ	64 UJ	76 U	59 U
AROCLOR-1232 (UG/KG)	62 UJ	42 UJ	49 UJ	41 UJ	45 UJ	56 UJ	64 UJ	76 U	59 U
AROCLOR-1242 (UG/KG)	2900 DJ	310 DJ	230 J	10 J	45 UJ	56 UJ	64 UJ	8200 D	3000 D
AROCLOR-1248 (UG/KG)	62 UJ	42 UJ	49 UJ	41 UJ	45 UJ	56 UJ	64 UJ	76 U	59 U
AROCLOR-1254 (UG/KG)	3100 DJ	350 J	290 J	5.8 J	9.9 J	17 J	64 UJ	5200 D	2600 D
AROCLOR-1260 (UG/KG)	1600 DJ	160 J	130 J	2.7 J	13 J	21 J	64 UJ	2600 D	1500 D
PCB, TOTAL (UG/KG)	7600	820	650	18.5	22.9	38	64 UJ	16000	7100

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-2	SL012-2	SL012-2	SL012-2	SL012-2	SL012-3	SL012-3	SL012-3	SL012-3
Sample Date	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01
X-Coordinate	12776834.389	12776834.389	12776834.389	12776834.389	12776834.389	12776841.623	12776841.623	12776841.623	12776841.623
Y-Coordinate	349765.960	349765.960	349765.960	349765.960	349765.960	349765.885	349765.885	349765.885	349765.885
Start Depth	12	18	30	37	49	0	6	12	24
End Depth	18	30	37	49	56	6	12	24	28
Chemical Name									
AROCLOR-1016 (UG/KG)	42 U	40 U	39 U	80 U	59 U	83 U	58 U	72 UJ	41 UJ
AROCLOR-1221 (UG/KG)	42 U	40 U	39 U	80 U	59 U	83 U	58 U	72 UJ	41 UJ
AROCLOR-1232 (UG/KG)	42 U	40 U	39 U	80 U	59 U	83 U	58 U	72 UJ	41 UJ
AROCLOR-1242 (UG/KG)	180	11 J	39 U	110 J	59 U	13000 D	2700 DJ	100 J	10 J
AROCLOR-1248 (UG/KG)	42 U	40 U	39 U	80 U	59 U	83 U	58 U	72 UJ	41 UJ
AROCLOR-1254 (UG/KG)	120	7 J	39 U	84 J	59 U	12000 D	2900 DJ	81 J	7.2 J
AROCLOR-1260 (UG/KG)	56	3.1 J	39 U	150 J	59 U	3400 DJ	1500 DJ	32 J	7.5 J
PCB, TOTAL (UG/KG)	356	21.1	39 U	344	59 U	28400	7100	213	24.7

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-3	SL012-3	SL012-4	SL012-4	SL012-4	SL012-4-DP	SL012-5	SL012-5	SL012-5
Sample Date	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01
X-Coordinate	12776841.623	12776841.623	12776841.548	12776841.548	12776841.548	12776841.548	12776837.950	12776837.950	12776837.950
Y-Coordinate	349765.885	349765.885	349772.931	349772.931	349772.931	349772.931	349779.453	349779.453	349779.453
Start Depth	28	40	0	7	23	23	0	6	12
End Depth	40	44	7	23	35	35	6	12	20
Chemical Name									
AROCLOR-1016 (UG/KG)	84 UJ	49 UJ	79 U	39 U	66 U	60 U	94 U	91 U	41 U
AROCLOR-1221 (UG/KG)	84 UJ	49 UJ	79 U	39 U	66 U	60 U	94 U	91 U	41 U
AROCLOR-1232 (UG/KG)	84 UJ	49 UJ	79 U	39 U	66 U	60 U	94 U	91 U	41 U
AROCLOR-1242 (UG/KG)	93 J	28 J	33000 D	260	1300 D	110	47000 DJ	3700 D	230
AROCLOR-1248 (UG/KG)	84 UJ	49 UJ	79 U	39 U	66 U	60 U	94 U	91 U	41 U
AROCLOR-1254 (UG/KG)	97 J	21 J	11000 DJ	99	290 J	48 J	10000 DJ	1600 D	56
AROCLOR-1260 (UG/KG)	120 J	11 J	4400 D	43	120 J	32 J	4000 DJ	760 DJ	22 J
PCB, TOTAL (UG/KG)	310	60	48400	402	1710	190	61000	6060	308

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-5	SL012-5	SL012-5	SL012-5	SL012-6	SL012-6	SL012-6	SL012-6	SL012-6
Sample Date	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01
X-Coordinate	12776837.950	12776837.950	12776837.950	12776837.950	12776827.980	12776827.980	12776827.980	12776827.980	12776827.980
Y-Coordinate	349779.453	349779.453	349779.453	349779.453	349769.408	349769.408	349769.408	349769.408	349769.408
Start Depth	20	26	32	36	0	6	12	24	42
End Depth	26	32	36	40	6	12	24	42	48
Chemical Name									
AROCLOR-1016 (UG/KG)	57 U	82 U	46 U	62 U	43 U	65 U	80 U	41 U	78 U
AROCLOR-1221 (UG/KG)	57 U	82 U	46 U	62 U	43 U	65 U	80 U	41 U	78 U
AROCLOR-1232 (UG/KG)	57 U	82 U	46 U	62 U	43 U	65 U	80 U	41 U	78 U
AROCLOR-1242 (UG/KG)	110 J	240 J	12 J	30 J	1300 DJ	5300 DJ	82	50	29 J
AROCLOR-1248 (UG/KG)	57 U	82 U	46 U	62 U	43 U	65 U	80 U	41 U	78 U
AROCLOR-1254 (UG/KG)	120	100	10 J	13 J	3100 DJ	10000 DJ	130	56 J	24 J
AROCLOR-1260 (UG/KG)	59	58 J	4.6 J	4.5 J	1200 DJ	4500 DJ	80 U	37 J	37 J
PCB, TOTAL (UG/KG)	289	398	26.6	47.5	5600	19800	212	143	90

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-6	SL012-6-DP	SL012-7	SL012-7	SL012-7	SL012-8	SL012-8	SL012-8	SL012-8
Sample Date	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01
X-Coordinate	12776827.980	12776827.980	12776848.033	12776848.033	12776848.033	12776837.969	12776837.969	12776837.969	12776837.969
Y-Coordinate	349769.408	349769.408	349769.446	349769.446	349769.446	349759.400	349759.400	349759.400	349759.400
Start Depth	48	48	0	8	22	0	6	12	24
End Depth	62	62	8	22	25	6	12	24	38
Chemical Name									
AROCLOR-1016 (UG/KG)	67 U	71 U	89 U	38 U	81 U	60 U	41 U	40 U	40 U
AROCLOR-1221 (UG/KG)	67 U	71 U	89 U	38 U	81 U	60 U	41 U	40 U	40 U
AROCLOR-1232 (UG/KG)	67 U	71 U	89 U	38 U	81 U	60 U	41 U	40 U	40 U
AROCLOR-1242 (UG/KG)	23 J	33 J	40000 D	180	2700 DJ	11000 D	2400 DJ	220 J	70
AROCLOR-1248 (UG/KG)	67 U	71 U	89 U	38 U	81 U	60 U	41 U	40 U	40 U
AROCLOR-1254 (UG/KG)	34 J	30 J	9000 D	51	360	9300 D	2400 D	160	46
AROCLOR-1260 (UG/KG)	41 J	28 J	3500 DJ	21 J	110 J	4200 D	1000 D	70	20 J
PCB, TOTAL (UG/KG)	98	91	52500	252	3170	24500	5800	450	136

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-8	SL012-8	SL012-8-DP	SL012-9	SL012-9	SL012-9	SL012-9	SL012-9	SL012-9-DP
Sample Date	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01
X-Coordinate	12776837.969	12776837.969	12776837.969	12776832.043	12776832.043	12776832.043	12776832.043	12776832.043	12776832.043
Y-Coordinate	349759.400	349759.400	349759.400	349748.769	349748.769	349748.769	349748.769	349748.769	349748.769
Start Depth	38	49	49	0	6	12	18	32	32
End Depth	49	60	60	6	12	18	32	40	40
Chemical Name									
AROCLOR-1016 (UG/KG)	52 U	70 U	70 U	46 U	35 U	42 U	43 U	59 U	61 U
AROCLOR-1221 (UG/KG)	52 U	70 U	70 U	46 U	35 U	42 U	43 U	59 U	61 U
AROCLOR-1232 (UG/KG)	52 U	70 U	70 U	46 U	35 U	42 U	43 U	59 U	61 U
AROCLOR-1242 (UG/KG)	190 J	69 J	85 J	1700 DJ	120	36 J	32 J	150 J	61 U
AROCLOR-1248 (UG/KG)	52 U	70 U	70 U	46 U	35 U	42 U	43 U	59 U	61 U
AROCLOR-1254 (UG/KG)	150	54 J	33 J	2300 DJ	140	44 J	16 J	160	24 J
AROCLOR-1260 (UG/KG)	85	25 J	15 J	1400 DJ	75	23 J	7.9 J	74 J	22 J
PCB, TOTAL (UG/KG)	425	148	133	5400	335	103	55.9	384	46

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-9	SL012-10	SL012-10	SL012-10	SL012-10	SL012-10	SL012-10-DP	SL012-10	SL012-10
Sample Date	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01
X-Coordinate	12776832.043	12776823.575	12776823.575	12776823.575	12776823.575	12776823.575	12776823.575	12776823.575	12776823.575
Y-Coordinate	349748.769	349783.277	349783.277	349783.277	349783.277	349783.277	349783.277	349783.277	349783.277
Start Depth	40	0	6	12	24	35	35	40	49
End Depth	51	6	12	24	35	40	40	49	57
Chemical Name									
AROCLOR-1016 (UG/KG)	64 U	56 UJ	37 UJ	39 U	43 U	80 U	78 U	47 U	69 U
AROCLOR-1221 (UG/KG)	64 U	56 UJ	37 UJ	39 U	43 U	80 U	78 U	47 U	69 U
AROCLOR-1232 (UG/KG)	64 U	56 UJ	37 UJ	39 U	43 U	80 U	78 U	47 U	69 U
AROCLOR-1242 (UG/KG)	64 U	7000 DJ	1100 D	180	120	80 U	78 U	47 U	69 U
AROCLOR-1248 (UG/KG)	64 U	56 UJ	37 UJ	39 U	43 U	80 U	78 U	47 U	69 U
AROCLOR-1254 (UG/KG)	17 J	6200 DJ	890 D	190	100	59 J	49 J	6.2 J	69 U
AROCLOR-1260 (UG/KG)	12 J	4100 DJ	570 D	95	51	100 J	120	5 J	69 U
PCB, TOTAL (UG/KG)	29	17300	2560	465	271	159	169	11.2	69 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-10	SL012-11	SL012-11	SL012-11	SL012-11	SL012-11-DP	SL012-11	SL012-12	SL012-12
Sample Date	08/22/01	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/22/01	08/22/01
X-Coordinate	12776823.575	12776852.193	12776852.193	12776852.193	12776852.193	12776852.193	12776852.193	12776852.343	12776852.343
Y-Coordinate	349783.277	349783.427	349783.427	349783.427	349783.427	349783.427	349783.427	349755.577	349755.577
Start Depth	57	0	6	12	24	24	34	0	6
End Depth	62	6	12	24	34	34	38	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	57 U	120 UJ	74 UJ	85 UJ	41 UJ	39 UJ	78 UJ	100 U	89 U
AROCLOR-1221 (UG/KG)	57 U	120 UJ	74 UJ	85 UJ	41 UJ	39 UJ	78 UJ	100 U	89 U
AROCLOR-1232 (UG/KG)	57 U	120 UJ	74 UJ	85 UJ	41 UJ	39 UJ	78 UJ	100 U	89 U
AROCLOR-1242 (UG/KG)	8.9 J	21000 DJ	33000 D	42000 D	280 J	170 J	120 J	32000 DJ	23000 DJ
AROCLOR-1248 (UG/KG)	57 U	120 UJ	74 UJ	85 UJ	41 UJ	39 UJ	78 UJ	100 U	89 U
AROCLOR-1254 (UG/KG)	9.1 J	8100 DJ	7200 D	17000 D	150 J	61 J	70 J	7700 DJ	7900 DJ
AROCLOR-1260 (UG/KG)	57 U	710 J	610 J	4300 D	34 J	19 J	120 J	3100 DJ	3600 DJ
PCB, TOTAL (UG/KG)	18	29810	40810	63300	464	250	310	42800	34500

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-12	SL012-12	SL012-12-DP	SL012-12	SL012-13	SL012-13	SL012-13	SL012-13	SL012-13-DP
Sample Date	08/22/01	08/22/01	08/22/01	08/22/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01
X-Coordinate	12776852.343	12776852.343	12776852.343	12776852.343	12776837.970	12776837.970	12776837.970	12776837.970	12776837.970
Y-Coordinate	349755.577	349755.577	349755.577	349755.577	349809.580	349809.580	349809.580	349809.580	349809.580
Start Depth	12	28	28	38	0	6	12	18	18
End Depth	28	38	38	42	6	12	18	24	24
Chemical Name									
AROCLOR-1016 (UG/KG)	40 U	79 U	77 U	50 U	100 U	82 U	93 U	93 U	95 U
AROCLOR-1221 (UG/KG)	40 U	79 U	77 U	50 U	100 U	82 U	93 U	93 U	95 U
AROCLOR-1232 (UG/KG)	40 U	79 U	77 U	50 U	100 U	82 U	93 U	93 U	95 U
AROCLOR-1242 (UG/KG)	100	700	130 J	21 J	12000 DJ	34000 DJ	36000 DJ	6000 D	5300 D
AROCLOR-1248 (UG/KG)	40 U	79 U	77 U	50 U	100 U	82 U	93 U	93 U	95 U
AROCLOR-1254 (UG/KG)	28 J	210	41 J	13 J	6000 D	9800 DJ	20000 D	4300 D	2900 D
AROCLOR-1260 (UG/KG)	11 J	71 J	40 J	5.1 J	2700 DJ	4300 DJ	9600 D	2100 D	1400 D
PCB, TOTAL (UG/KG)	139	981	211	39.1	20700	48100	65600	12400	9600

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-13	SL012-14	SL012-14	SL012-14	SL012-15	SL012-15	SL012-15-DP	SL012-15	SL012-15
Sample Date	08/21/01	08/21/01	08/21/01	08/21/01	08/22/01	08/22/01	08/22/01	08/22/01	08/22/01
X-Coordinate	12776837.970	12776894.941	12776894.941	12776894.941	12776878.185	12776878.185	12776878.185	12776878.185	12776878.185
Y-Coordinate	349809.580	349825.498	349825.498	349825.498	349769.645	349769.645	349769.645	349769.645	349769.645
Start Depth	24	0	6	12	0	6	6	18	25
End Depth	42	6	12	24	6	18	18	25	33
Chemical Name									
AROCLOR-1016 (UG/KG)	56 U	39 U	35 U	35 U	100 UJ	87 UJ	90 UJ	51 UJ	48 U
AROCLOR-1221 (UG/KG)	56 U	39 U	35 U	35 U	100 UJ	87 UJ	90 UJ	51 UJ	48 U
AROCLOR-1232 (UG/KG)	56 U	39 U	35 U	35 U	100 UJ	87 UJ	90 UJ	51 UJ	48 U
AROCLOR-1242 (UG/KG)	56 U	39 U	35 U	35 U	29000 DJ	14000 DJ	14000 DJ	3100 DJ	88
AROCLOR-1248 (UG/KG)	56 U	39 U	35 U	35 U	100 UJ	87 UJ	90 UJ	51 UJ	48 U
AROCLOR-1254 (UG/KG)	27 J	11 J	5.5 J	1.8 J	16000 DJ	12000 DJ	15000 DJ	2800 DJ	45 J
AROCLOR-1260 (UG/KG)	51 J	7 J	2.5 J	0.77 J	4000 DJ	3500 DJ	5500 DJ	1100 DJ	21 J
PCB, TOTAL (UG/KG)	78	18	8	2.57	49000	29500	34500	7000	154

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-16	SL012-16	SL012-16	SL012-16	SL012-16	SL012-16	SL012-16	SL012-17	SL012-17
Sample Date	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01
X-Coordinate	12776780.721	12776780.721	12776780.721	12776780.721	12776780.721	12776780.721	12776780.721	12776781.000	12776781.000
Y-Coordinate	349825.219	349825.219	349825.219	349825.219	349825.219	349825.219	349825.219	349713.792	349713.792
Start Depth	0	6	12	24	29	37	42	0	6
End Depth	6	12	24	29	37	42	54	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	70 U	50 U	39 U	41 U	75 U	45 U	52 U	110 U	84 U
AROCLOR-1221 (UG/KG)	70 U	50 U	39 U	41 U	75 U	45 U	52 U	110 U	84 U
AROCLOR-1232 (UG/KG)	70 U	50 U	39 U	41 U	75 U	45 U	52 U	110 U	84 U
AROCLOR-1242 (UG/KG)	3700 D	1300 DJ	21 J	13 J	75 U	45 U	52 U	380	400
AROCLOR-1248 (UG/KG)	70 U	50 U	39 U	41 U	75 U	45 U	52 U	110 U	84 U
AROCLOR-1254 (UG/KG)	5100 D	2900 DJ	43	22 J	41 J	23 J	52 U	1100 J	500 J
AROCLOR-1260 (UG/KG)	3400 DJ	1300 D	17 J	14 J	66 J	13 J	52 U	690 J	270
PCB, TOTAL (UG/KG)	12200	5500	81	49	107	36	52 U	2170	1170

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-17	SL012-17	SL012-17	SL012-17	SL012-17	SL012-18	SL012-18	SL012-18	SL012-18
Sample Date	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/20/01	08/20/01	08/20/01	08/20/01
X-Coordinate	12776781.000	12776781.000	12776781.000	12776781.000	12776781.000	12776895.778	12776895.778	12776895.778	12776895.778
Y-Coordinate	349713.792	349713.792	349713.792	349713.792	349713.792	349713.513	349713.513	349713.513	349713.513
Start Depth	12	24	30	35	50	0	6	12	27
End Depth	24	30	35	50	53	6	12	24	38
Chemical Name									
AROCLOR-1016 (UG/KG)	77 U	51 U	41 U	42 U	81 U	56 U	59 U	39 U	51 U
AROCLOR-1221 (UG/KG)	77 U	51 U	41 U	42 U	81 U	56 U	59 U	39 U	51 U
AROCLOR-1232 (UG/KG)	77 U	51 U	41 U	42 U	81 U	56 U	59 U	39 U	51 U
AROCLOR-1242 (UG/KG)	30 J	18 J	5 J	42 U	81 U	4700 D	19000 DJ	560 DJ	800 D
AROCLOR-1248 (UG/KG)	77 U	51 U	41 U	42 U	81 U	56 U	59 U	39 U	51 U
AROCLOR-1254 (UG/KG)	51 J	20 J	2.5 J	42 U	81 U	2500 D	9700 DJ	400 DJ	540 DJ
AROCLOR-1260 (UG/KG)	30 J	10 J	1.4 J	42 U	81 U	670 D	2500 DJ	100 J	210
PCB, TOTAL (UG/KG)	111	48	8.9	42 U	81 U	7870	31200	1060	1550

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-18	SL012-18	SL012-19	SL012-19	SL012-19	SL012-19	SL012-19	SL012-19	SL012-20
Sample Date	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/21/01
X-Coordinate	12776895.778	12776895.778	12776849.238	12776849.238	12776849.238	12776849.238	12776849.238	12776849.238	12776798.035
Y-Coordinate	349713.513	349713.513	349728.760	349728.760	349728.760	349728.760	349728.760	349728.760	349769.086
Start Depth	38	43	0	6	12	24	34	48	0
End Depth	43	47	6	12	24	34	48	60	6
Chemical Name									
AROCLOR-1016 (UG/KG)	72 UJ	40 UJ	57 UJ	38 UJ	38 UJ	39 U	53 U	58 U	47 U
AROCLOR-1221 (UG/KG)	72 UJ	40 UJ	57 UJ	38 UJ	38 UJ	39 U	53 U	58 U	47 U
AROCLOR-1232 (UG/KG)	72 UJ	40 UJ	57 UJ	38 UJ	38 UJ	39 U	53 U	58 U	47 U
AROCLOR-1242 (UG/KG)	30 J	8.9 J	2000 D	350 D	70 J	14 J	71 J	44 J	990 DJ
AROCLOR-1248 (UG/KG)	72 UJ	40 UJ	57 UJ	38 UJ	38 UJ	39 U	53 U	58 U	47 U
AROCLOR-1254 (UG/KG)	31 J	2.4 J	5300 D	790 D	120 J	22 J	57 J	26 J	1500 DJ
AROCLOR-1260 (UG/KG)	79 J	3.8 J	2600 D	250 J	48 J	12 J	57 J	58 U	320 J
PCB, TOTAL (UG/KG)	140	15.1	9900	1390	238	48	185	70	2810

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-20	SL012-20	SL012-20	SL012-20	SL012-20	SL012-20	SL012-21	SL012-21	SL012-21-DP
Sample Date	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01
X-Coordinate	12776798.035	12776798.035	12776798.035	12776798.035	12776798.035	12776798.035	12776837.911	12776837.911	12776837.911
Y-Coordinate	349769.086	349769.086	349769.086	349769.086	349769.086	349769.086	349929.459	349929.459	349929.459
Start Depth	6	12	20	24	36	44	0	6	6
End Depth	12	20	24	36	44	52	6	12	12
Chemical Name									
AROCLOR-1016 (UG/KG)	40 U	38 U	62 U	61 U	77 U	67 U	38 U	36 U	35 U
AROCLOR-1221 (UG/KG)	40 U	38 U	62 U	61 U	77 U	67 U	38 U	36 U	35 U
AROCLOR-1232 (UG/KG)	40 U	38 U	62 U	61 U	77 U	67 U	38 U	36 U	35 U
AROCLOR-1242 (UG/KG)	97 J	33 J	2600 D	57 J	69 J	45 J	38 U	36 U	35 U
AROCLOR-1248 (UG/KG)	40 U	38 U	62 U	61 U	77 U	67 U	38 U	36 U	35 U
AROCLOR-1254 (UG/KG)	120	38 J	1600 D	52 J	51 J	32 J	4.9 J	8.9 J	8.2 J
AROCLOR-1260 (UG/KG)	65	18 J	340	29 J	34 J	11 J	2.6 J	2.4 J	3 J
PCB, TOTAL (UG/KG)	282	89	4540	138	154	88	7.5	11.3	11.2

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-21	SL012-22	SL012-22	SL012-22	SL012-22-DP	SL012-22	SL012-22	SL012-22	SL012-22
Sample Date	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01
X-Coordinate	12776837.911	12776722.823	12776722.823	12776722.823	12776722.823	12776722.823	12776722.823	12776722.823	12776722.823
Y-Coordinate	349929.459	349880.915	349880.915	349880.915	349880.915	349880.915	349880.915	349880.915	349880.915
Start Depth	12	0	6	12	12	24	28	33	40
End Depth	18	6	12	24	24	28	33	40	48
Chemical Name									
AROCLOR-1016 (UG/KG)	35 U	69 U	54 U	43 U	43 U	41 U	78 U	43 U	72 U
AROCLOR-1221 (UG/KG)	35 U	69 U	54 U	43 U	43 U	41 U	78 U	43 U	72 U
AROCLOR-1232 (UG/KG)	35 U	69 U	54 U	43 U	43 U	41 U	78 U	43 U	72 U
AROCLOR-1242 (UG/KG)	35 U	5500 DJ	2500 DJ	110 J	120 J	13 J	78 U	43 U	72 U
AROCLOR-1248 (UG/KG)	35 U	69 U	54 U	43 U	43 U	41 U	78 U	43 U	72 U
AROCLOR-1254 (UG/KG)	4.5 J	6800 D	3800 D	160	180	19 J	57 J	7 J	72 U
AROCLOR-1260 (UG/KG)	2.1 J	2700 D	1700 D	77	75	8 J	91	1.9 J	6.3 J
PCB, TOTAL (UG/KG)	6.6	15000	8000	347	375	40	148	8.9	6.3

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-23	SL012-23	SL012-23	SL012-23	SL012-23-DP	SL012-23	SL012-24	SL012-24	SL012-24
Sample Date	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/14/01	08/20/01	08/20/01	08/20/01
X-Coordinate	12776678.643	12776678.643	12776678.643	12776678.643	12776678.643	12776678.643	12776833.850	12776833.850	12776833.850
Y-Coordinate	349769.645	349769.645	349769.645	349769.645	349769.645	349769.645	349616.347	349616.347	349616.347
Start Depth	0	6	12	18	18	24	0	6	12
End Depth	6	12	18	24	24	36	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	81 U	79 U	75 U	61 U	59 U	51 U	67 U	69 U	73 U
AROCLOR-1221 (UG/KG)	81 U	79 U	75 U	61 U	59 U	51 U	67 U	69 U	73 U
AROCLOR-1232 (UG/KG)	81 U	79 U	75 U	61 U	59 U	51 U	67 U	69 U	73 U
AROCLOR-1242 (UG/KG)	1200 D	7100 DJ	65 J	84 J	80 J	58 J	1500 DJ	180 J	140
AROCLOR-1248 (UG/KG)	81 U	79 U	75 U	61 U	59 U	51 U	67 U	69 U	73 U
AROCLOR-1254 (UG/KG)	2300 D	10000 D	81	67	83	33 J	2800 DJ	310 J	170 J
AROCLOR-1260 (UG/KG)	540	4300 DJ	39 J	23 J	24 J	8.6 J	1700 DJ	400 J	160 J
PCB, TOTAL (UG/KG)	4040	21400	185	174	187	99.6	6000	890	470

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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D= Result is from a dilution analysis.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-24-DP	SL012-24	SL012-24	SL012-25	SL012-25-DP	SL012-25	SL012-25	SL012-25	SL012-25
Sample Date	08/20/01	08/20/01	08/20/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01
X-Coordinate	12776833.850	12776833.850	12776833.850	12776608.337	12776608.337	12776608.337	12776608.337	12776608.337	12776608.337
Y-Coordinate	349616.347	349616.347	349616.347	349993.619	349993.619	349993.619	349993.619	349993.619	349993.619
Start Depth	12	24	36	0	0	6	12	24	33
End Depth	24	36	42	6	6	12	24	33	44
Chemical Name									
AROCLOR-1016 (UG/KG)	74 U	41 U	45 U	82 U	78 U	46 U	42 U	41 U	78 U
AROCLOR-1221 (UG/KG)	74 U	41 U	45 U	82 U	78 U	46 U	42 U	41 U	78 U
AROCLOR-1232 (UG/KG)	74 U	41 U	45 U	82 U	78 U	46 U	42 U	41 U	78 U
AROCLOR-1242 (UG/KG)	82	41 U	45 U	3500 DJ	3400 DJ	990 D	140	43	78 U
AROCLOR-1248 (UG/KG)	74 U	41 U	45 U	82 U	78 U	46 U	42 U	41 U	78 U
AROCLOR-1254 (UG/KG)	94 J	6.9 J	45 U	2500 DJ	2700 DJ	670 D	110	32 J	78 U
AROCLOR-1260 (UG/KG)	100 J	41 U	45 U	1400 DJ	1600 DJ	410 DJ	41 J	12 J	78 U
PCB, TOTAL (UG/KG)	276	6.9	45 U	7400	7700	2070	291	87	78 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-26	SL012-26	SL012-26	SL012-26	SL012-26	SL012-26-DP	SL012-27	SL012-27	SL012-27
Sample Date	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/20/01	08/21/01	08/21/01	08/21/01
X-Coordinate	12776953.971	12776953.971	12776953.971	12776953.971	12776953.971	12776953.971	12776723.914	12776723.914	12776723.914
Y-Coordinate	349657.455	349657.455	349657.455	349657.455	349657.455	349657.455	349657.831	349657.831	349657.831
Start Depth	0	6	12	24	34	34	0	6	12
End Depth	6	12	24	34	44	44	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	120 U	81 U	89 U	93 U	90 U	92 U	63 U	70 U	63 U
AROCLOR-1221 (UG/KG)	120 U	81 U	89 U	93 U	90 U	92 U	63 U	70 U	63 U
AROCLOR-1232 (UG/KG)	120 U	81 U	89 U	93 U	90 U	92 U	63 U	70 U	63 U
AROCLOR-1242 (UG/KG)	19000 DJ	28000 DJ	27000 DJ	12000 DJ	4000 DJ	4300 D	9500 DJ	4100 DJ	160
AROCLOR-1248 (UG/KG)	120 U	81 U	89 U	93 U	90 U	92 U	63 U	70 U	63 U
AROCLOR-1254 (UG/KG)	7800 DJ	12000 DJ	25000 DJ	12000 DJ	4600 DJ	4200 D	7100 DJ	3400 DJ	160
AROCLOR-1260 (UG/KG)	2700 DJ	3500 DJ	7300 DJ	4000 DJ	1500 DJ	1300 D	3000 DJ	1600 DJ	98
PCB, TOTAL (UG/KG)	29500	43500	59300	28000	10100	9800	19600	9100	418

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-27-DP	SL012-27	SL012-27	SL012-27	SL012-27	SL012-28	SL012-28	SL012-28	SL012-28
Sample Date	08/21/01	08/21/01	08/21/01	08/21/01	08/21/01	08/20/01	08/20/01	08/20/01	08/20/01
X-Coordinate	12776723.914	12776723.914	12776723.914	12776723.914	12776723.914	12776858.337	12776858.337	12776858.337	12776858.337
Y-Coordinate	349657.831	349657.831	349657.831	349657.831	349657.831	349451.013	349451.013	349451.013	349451.013
Start Depth	12	24	33	36	44	0	6	12	18
End Depth	24	33	36	44	51	6	12	18	24
Chemical Name									
AROCLOR-1016 (UG/KG)	63 U	58 U	48 U	55 U	57 U	51 UJ	51 UJ	34 UJ	39 UJ
AROCLOR-1221 (UG/KG)	63 U	58 U	48 U	55 U	57 U	51 UJ	51 UJ	34 UJ	39 UJ
AROCLOR-1232 (UG/KG)	63 U	58 U	48 U	55 U	57 U	51 UJ	51 UJ	34 UJ	39 UJ
AROCLOR-1242 (UG/KG)	240	89	17 J	32 J	130	12000 DJ	8700 DJ	130 J	170 J
AROCLOR-1248 (UG/KG)	63 U	58 U	48 U	55 U	57 U	51 UJ	51 UJ	34 UJ	39 UJ
AROCLOR-1254 (UG/KG)	230	70 J	13 J	25 J	220 J	8800 DJ	8000 DJ	120 J	150 J
AROCLOR-1260 (UG/KG)	110	35 J	6.4 J	12 J	130	4200 DJ	4100 DJ	110 J	120 J
PCB, TOTAL (UG/KG)	580	194	36.4	69	480	25000	20800	360	440

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-16

Phase II- Grid 6- SL012 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SL012-28	SL012-28	SL012-28	SL012-28
Sample Date	08/20/01	08/20/01	08/20/01	08/20/01
X-Coordinate	12776858.337	12776858.337	12776858.337	12776858.337
Y-Coordinate	349451.013	349451.013	349451.013	349451.013
Start Depth	24	30	36	49
End Depth	30	36	49	59
Chemical Name				
AROCLOR-1016 (UG/KG)	43 UJ	58 UJ	63 UJ	65 UJ
AROCLOR-1221 (UG/KG)	43 UJ	58 UJ	63 UJ	65 UJ
AROCLOR-1232 (UG/KG)	43 UJ	58 UJ	63 UJ	65 UJ
AROCLOR-1242 (UG/KG)	190 J	160 J	63 J	65 UJ
AROCLOR-1248 (UG/KG)	43 UJ	58 UJ	63 UJ	65 UJ
AROCLOR-1254 (UG/KG)	170 J	110 J	38 J	65 UJ
AROCLOR-1260 (UG/KG)	130 J	84 J	37 J	65 UJ
PCB, TOTAL (UG/KG)	490	354	138	65 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "UJ" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-1	SD036-1	SD036-1	SD036-1	SD036-1	SD036-2	SD036-2	SD036-2	SD036-2
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767385.060	12767385.060	12767385.060	12767385.060	12767385.060	12767377.942	12767377.942	12767377.942	12767377.942
Y-Coordinate	352773.062	352773.062	352773.062	352773.062	352773.062	352776.581	352776.581	352776.581	352776.581
Start Depth	0	6	10	18	30	0	6	15	24
End Depth	6	10	18	30	38	6	15	24	36
Chemical Name									
AROCLOR-1016 (UG/KG)	39 U	39 U	79 UJ	77 U	81 U	39 UJ	39 UJ	78 U	74 U
AROCLOR-1221 (UG/KG)	39 U	39 U	79 UJ	77 U	81 U	39 UJ	39 UJ	78 U	74 U
AROCLOR-1232 (UG/KG)	39 U	39 U	79 UJ	77 U	81 U	39 UJ	39 UJ	78 U	74 U
AROCLOR-1242 (UG/KG)	11 J	28 J	220 J	77 U	81 U	23 J	19 J	3900 D	74 U
AROCLOR-1248 (UG/KG)	39 U	39 U	79 UJ	77 U	81 U	39 UJ	39 UJ	78 U	74 U
AROCLOR-1254 (UG/KG)	9.3 J	31 J	110 J	77 U	81 U	12 J	3.9 J	880 D	74 U
AROCLOR-1260 (UG/KG)	39 U	39 U	83 J	77 U	81 U	39 UJ	39 UJ	380 J	18 J
PCB, TOTAL (UG/KG)	20.3	59	413	77 U	81 U	35	22.9	5160	18

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-2	SD036-2-DP	SD036-3	SD036-3-DP	SD036-3	SD036-3	SD036-3	SD036-3	SD036-4
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767377.942	12767377.942	12767369.178	12767369.178	12767369.178	12767369.178	12767369.178	12767369.178	12767370.347
Y-Coordinate	352776.581	352776.581	352781.256	352781.256	352781.256	352781.256	352781.256	352781.256	352774.829
Start Depth	36	36	0	0	6	11	24	36	0
End Depth	48	48	6	6	11	24	36	40	6
Chemical Name									
AROCLOR-1016 (UG/KG)	82 U	76 U	39 U	39 U	40 U	41 U	81 U	85 U	39 U
AROCLOR-1221 (UG/KG)	82 U	76 U	39 U	39 U	40 U	41 U	81 U	85 U	39 U
AROCLOR-1232 (UG/KG)	82 U	76 U	39 U	39 U	40 U	41 U	81 U	85 U	39 U
AROCLOR-1242 (UG/KG)	82 U	76 U	12 J	18 J	37 J	41 U	81 U	85 U	14 J
AROCLOR-1248 (UG/KG)	82 U	76 U	39 U	39 U	40 U	41 U	81 U	85 U	39 U
AROCLOR-1254 (UG/KG)	82 U	76 U	15 J	16 J	17 J	41 U	81 U	85 U	4.5 J
AROCLOR-1260 (UG/KG)	82 U	76 U	39 U	39 U	40 U	41 U	81 U	85 U	39 U
PCB, TOTAL (UG/KG)	82 U	76 U	27	34	54	41 U	81 U	85 U	18.5

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-4	SD036-4	SD036-4	SD036-4	SD036-5	SD036-5	SD036-5	SD036-5	SD036-6
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767370.347	12767370.347	12767370.347	12767370.347	12767391.964	12767391.964	12767391.964	12767391.964	12767444.937
Y-Coordinate	352774.829	352774.829	352774.829	352774.829	352769.960	352769.960	352769.960	352769.960	352743.863
Start Depth	6	16	24	36	0	4	12	24	0
End Depth	16	24	36	48	4	12	24	35	6
Chemical Name									
AROCLOR-1016 (UG/KG)	36 UJ	78 UJ	77 UJ	77 U	40 U	63 U	74 U	79 U	43 U
AROCLOR-1221 (UG/KG)	36 UJ	78 UJ	77 UJ	77 U	40 U	63 U	74 U	79 U	43 U
AROCLOR-1232 (UG/KG)	36 UJ	78 UJ	77 UJ	77 U	40 U	63 U	74 U	79 U	43 U
AROCLOR-1242 (UG/KG)	42 J	350 J	80 J	32 J	18 J	5800 DJ	4600 D	2800 D	14 J
AROCLOR-1248 (UG/KG)	36 UJ	78 UJ	77 UJ	77 U	40 U	63 U	74 U	79 U	43 U
AROCLOR-1254 (UG/KG)	8.9 J	280 J	11 J	2.6 J	14 J	2200 D	1700 D	1300 DJ	43 U
AROCLOR-1260 (UG/KG)	36 UJ	140 J	42 J	77 U	40 U	260 J	370	240 J	43 U
PCB, TOTAL (UG/KG)	50.9	770	133	34.6	32	8260	6670	4340	14

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-6	SD036-6	SD036-6	SD036-7	SD036-7	SD036-7	SD036-7	SD036-7	SD036-8
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767444.937	12767444.937	12767444.937	12767364.699	12767364.699	12767364.699	12767364.699	12767364.699	12767355.545
Y-Coordinate	352743.863	352743.863	352743.863	352783.593	352783.593	352783.593	352783.593	352783.593	352788.072
Start Depth	6	11	24	0	6	11	24	36	0
End Depth	11	24	36	6	11	24	36	44	6
Chemical Name									
AROCLOR-1016 (UG/KG)	39 U	85 U	81 U	43 U	39 U	82 U	82 UJ	79 UJ	41 UJ
AROCLOR-1221 (UG/KG)	39 U	85 U	81 U	43 U	39 U	82 U	82 UJ	79 UJ	41 UJ
AROCLOR-1232 (UG/KG)	39 U	85 U	81 U	43 U	39 U	82 U	82 UJ	79 UJ	41 UJ
AROCLOR-1242 (UG/KG)	13 J	950 J	81 U	18 J	43	170 J	82 UJ	79 UJ	14 J
AROCLOR-1248 (UG/KG)	39 U	85 U	81 U	43 U	39 U	82 U	82 UJ	79 UJ	41 UJ
AROCLOR-1254 (UG/KG)	39 U	650 DJ	81 U	17 J	14 J	130 J	82 UJ	79 UJ	15 J
AROCLOR-1260 (UG/KG)	39 U	380	81 U	43 U	39 U	56 J	82 UJ	79 UJ	41 UJ
PCB, TOTAL (UG/KG)	13	1980	81 U	35	57	356	82 UJ	79 UJ	29

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-8	SD036-8	SD036-8	SD036-8-DP	SD036-8	SD036-8	SD036-9	SD036-9-DP	SD036-9
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767355.545	12767355.545	12767355.545	12767355.545	12767355.545	12767355.545	12767300.820	12767300.820	12767300.820
Y-Coordinate	352788.072	352788.072	352788.072	352788.072	352788.072	352788.072	352815.143	352815.143	352815.143
Start Depth	6	12	18	18	30	42	0	0	6
End Depth	12	18	30	30	42	49	6	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	39 UJ	45 UJ	69 UJ	70 UJ	80 UJ	62 U	39 U	55 U	39 U
AROCLOR-1221 (UG/KG)	39 UJ	45 UJ	69 UJ	70 UJ	80 UJ	62 U	39 U	55 U	39 U
AROCLOR-1232 (UG/KG)	39 UJ	45 UJ	69 UJ	70 UJ	80 UJ	62 U	39 U	55 U	39 U
AROCLOR-1242 (UG/KG)	38 J	260 J	3800 DJ	2400 D	37 J	62 U	28 J	110 J	210 J
AROCLOR-1248 (UG/KG)	39 UJ	45 UJ	69 UJ	70 UJ	80 UJ	62 U	39 U	55 U	39 U
AROCLOR-1254 (UG/KG)	15 J	220 J	2000 DJ	1700 D	16 J	62 U	25 J	71 J	66 J
AROCLOR-1260 (UG/KG)	39 UJ	58 J	330	280 J	19 J	62 U	39 U	22 J	19 J
PCB, TOTAL (UG/KG)	53	538	6130	4380	72	62 U	53	203	295

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-9	SD036-9	SD036-9	SD036-10	SD036-10	SD036-10	SD036-10	SD036-10	SD036-11
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767300.820	12767300.820	12767300.820	12767363.141	12767363.141	12767363.141	12767363.141	12767363.141	12767336.460
Y-Coordinate	352815.143	352815.143	352815.143	352761.001	352761.001	352761.001	352761.001	352761.001	352707.639
Start Depth	12	24	36	0	6	12	24	36	0
End Depth	24	36	48	6	12	24	36	42	6
Chemical Name									
AROCLOR-1016 (UG/KG)	45 U	78 U	79 U	39 U	83 U	76 U	79 U	71 U	71 U
AROCLOR-1221 (UG/KG)	45 U	78 U	79 U	39 U	83 U	76 U	79 U	71 U	71 U
AROCLOR-1232 (UG/KG)	45 U	78 U	79 U	39 U	83 U	76 U	79 U	71 U	71 U
AROCLOR-1242 (UG/KG)	270 J	5800 D	89	47	1200 D	76 U	79 U	71 U	19 J
AROCLOR-1248 (UG/KG)	45 U	78 U	79 U	39 U	83 U	76 U	79 U	71 U	71 U
AROCLOR-1254 (UG/KG)	140 J	1500 D	24 J	14 J	560	76 U	79 U	71 U	71 U
AROCLOR-1260 (UG/KG)	49 J	320 J	16 J	7 J	220	17 J	79 U	71 U	71 U
PCB, TOTAL (UG/KG)	459	7620	129	68	1980	17	79 U	71 U	19

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-11	SD036-11-DP	SD036-11	SD036-11	SD036-12	SD036-12	SD036-12	SD036-12	SD036-12
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767336.460	12767336.460	12767336.460	12767336.460	12767374.826	12767374.826	12767374.826	12767374.826	12767374.826
Y-Coordinate	352707.639	352707.639	352707.639	352707.639	352769.376	352769.376	352769.376	352769.376	352769.376
Start Depth	6	6	12	24	0	8	12	24	36
End Depth	12	12	24	37	8	12	24	36	42
Chemical Name									
AROCLOR-1016 (UG/KG)	87 U	82 U	40 U	40 U	38 U	84 U	80 U	82 U	94 U
AROCLOR-1221 (UG/KG)	87 U	82 U	40 U	40 U	38 U	84 U	80 U	82 U	94 U
AROCLOR-1232 (UG/KG)	87 U	82 U	40 U	40 U	38 U	84 U	80 U	82 U	94 U
AROCLOR-1242 (UG/KG)	87 U	82 U	40 U	40 U	21 J	110	45 J	120	94 U
AROCLOR-1248 (UG/KG)	87 U	82 U	40 U	40 U	38 U	84 U	80 U	82 U	94 U
AROCLOR-1254 (UG/KG)	87 U	82 U	40 U	40 U	16 J	100	40 J	41 J	94 U
AROCLOR-1260 (UG/KG)	87 U	82 U	40 U	40 U	5.5 J	21 J	61 J	27 J	94 U
PCB, TOTAL (UG/KG)	87 U	82 U	40 U	40 U	42.5	231	146	188	94 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-13	SD036-13	SD036-13	SD036-13	SD036-14	SD036-14	SD036-14	SD036-14	SD036-14
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767386.511	12767386.511	12767386.511	12767386.511	12767403.650	12767403.650	12767403.650	12767403.650	12767403.650
Y-Coordinate	352741.720	352741.720	352741.720	352741.720	352705.886	352705.886	352705.886	352705.886	352705.886
Start Depth	0	7	12	24	0	7	12	24	31
End Depth	7	12	24	35	7	12	24	31	41
Chemical Name									
AROCLOR-1016 (UG/KG)	43 U	86 U	84 U	70 U	43 U	83 U	81 U	77 U	39 U
AROCLOR-1221 (UG/KG)	43 U	86 U	84 U	70 U	43 U	83 U	81 U	77 U	39 U
AROCLOR-1232 (UG/KG)	43 U	86 U	84 U	70 U	43 U	83 U	81 U	77 U	39 U
AROCLOR-1242 (UG/KG)	31 J	89	84 U	70 U	98 J	83 U	81 U	77 U	39 U
AROCLOR-1248 (UG/KG)	43 U	86 U	84 U	70 U	43 U	83 U	81 U	77 U	39 U
AROCLOR-1254 (UG/KG)	23 J	37 J	84 U	70 U	77	83 U	81 U	77 U	39 U
AROCLOR-1260 (UG/KG)	7.8 J	41 J	84 U	70 U	43 U	83 U	81 U	77 U	39 U
PCB, TOTAL (UG/KG)	61.8	167	84 U	70 U	175	83 U	81 U	77 U	39 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-15	SD036-15	SD036-15	SD036-15	SD036-15-DP	SD036-15	SD036-16	SD036-16	SD036-16
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767363.530	12767363.530	12767363.530	12767363.530	12767363.530	12767363.530	12767334.122	12767334.122	12767334.122
Y-Coordinate	352775.802	352775.802	352775.802	352775.802	352775.802	352775.802	352768.597	352768.597	352768.597
Start Depth	0	6	10	18	18	30	0	7	12
End Depth	6	10	18	30	30	37	7	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	40 U	40 U	70 U	78 U	77 U	37 U	40 U	80 U	82 U
AROCLOR-1221 (UG/KG)	40 U	40 U	70 U	78 U	77 U	37 U	40 U	80 U	82 U
AROCLOR-1232 (UG/KG)	40 U	40 U	70 U	78 U	77 U	37 U	40 U	80 U	82 U
AROCLOR-1242 (UG/KG)	34 J	11 J	180	78 U	77 U	37 U	62 J	1300 D	93 J
AROCLOR-1248 (UG/KG)	40 U	40 U	70 U	78 U	77 U	37 U	40 U	80 U	82 U
AROCLOR-1254 (UG/KG)	23 J	4.4 J	74	78 U	77 U	37 U	40 J	500 J	40 J
AROCLOR-1260 (UG/KG)	19 J	40 U	41 J	78 U	77 U	37 U	40 U	190 J	21 J
PCB, TOTAL (UG/KG)	76	15.4	295	78 U	77 U	37 U	102	1990	154

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-16	SD036-17	SD036-17	SD036-17	SD036-17	SD036-18	SD036-18	SD036-18	SD036-19
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767334.122	12767295.561	12767295.561	12767295.561	12767295.561	12767320.929	12767320.929	12767320.929	12767325.178
Y-Coordinate	352768.597	352759.054	352759.054	352759.054	352759.054	352596.989	352596.989	352596.989	352596.078
Start Depth	24	0	6	12	19	0	6	15	0
End Depth	35	6	12	19	30	6	15	18	6
Chemical Name									
AROCLOR-1016 (UG/KG)	77 U	46 U	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U
AROCLOR-1221 (UG/KG)	77 U	46 U	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U
AROCLOR-1232 (UG/KG)	77 U	46 U	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U
AROCLOR-1242 (UG/KG)	77 U	70 J	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U
AROCLOR-1248 (UG/KG)	77 U	46 U	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U
AROCLOR-1254 (UG/KG)	77 U	48	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U
AROCLOR-1260 (UG/KG)	77 U	46 U	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U
PCB, TOTAL (UG/KG)	77 U	118	86 U	78 U	42 U	110 UJ	73 UJ	59 UJ	81 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-19	SD036-19	SD036-19-DP	SD036-20	SD036-20	SD036-20	SD036-20	SD036-20	SD036-21
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767325.178	12767325.178	12767325.178	12767335.800	12767335.800	12767335.800	12767335.800	12767335.800	12767393.462
Y-Coordinate	352596.078	352596.078	352596.078	352593.347	352593.347	352593.347	352593.347	352593.347	352578.173
Start Depth	6	11	11	0	6	12	19	25	0
End Depth	11	24	24	6	12	19	25	36	6
Chemical Name									
AROCLOR-1016 (UG/KG)	94 U	44 U	48 U	170 U	180 U	150 U	75 U	46 U	150 U
AROCLOR-1221 (UG/KG)	94 U	44 U	48 U	170 U	180 U	150 U	75 U	46 U	150 U
AROCLOR-1232 (UG/KG)	94 U	44 U	48 U	170 U	180 U	150 U	75 U	46 U	150 U
AROCLOR-1242 (UG/KG)	94 U	44 U	48 U	170 U	75 J	150 U	75 U	46 U	150 U
AROCLOR-1248 (UG/KG)	94 U	44 U	48 U	170 U	180 U	150 U	75 U	46 U	150 U
AROCLOR-1254 (UG/KG)	94 U	44 U	48 U	170 U	180 U	71 J	75 U	46 U	150 U
AROCLOR-1260 (UG/KG)	94 U	44 U	48 U	170 U	180 U	150 U	75 U	46 U	150 U
PCB, TOTAL (UG/KG)	94 U	44 U	48 U	170 U	75	71	75 U	46 U	150 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-21	SD036-21	SD036-21-DP	SD036-21	SD036-22	SD036-22	SD036-22	SD036-22-DP	SD036-22
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767393.462	12767393.462	12767311.521	12767393.462	12767311.521	12767311.521	12767311.521	12767311.521	12767311.521
Y-Coordinate	352578.173	352578.173	352599.113	352578.173	352599.113	352599.113	352599.113	352599.113	352599.113
Start Depth	6	15	15	27	0	9	15	15	25
End Depth	15	27	27	36	9	15	25	25	30
Chemical Name									
AROCLOR-1016 (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U
AROCLOR-1221 (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U
AROCLOR-1232 (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U
AROCLOR-1242 (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U
AROCLOR-1248 (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U
AROCLOR-1254 (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U
AROCLOR-1260 (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U
PCB, TOTAL (UG/KG)	150 U	60 U	58 U	50 U	130 U	70 U	48 U	48 U	41 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-23	SD036-23	SD036-23-DP	SD036-23	SD036-23	SD036-23	SD036-24	SD036-24	SD036-24
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767306.665	12767306.665	12767306.665	12767306.665	12767306.665	12767306.665	12767296.650	12767296.650	12767296.650
Y-Coordinate	352600.934	352600.934	352600.934	352600.934	352600.934	352600.934	352603.362	352603.362	352603.362
Start Depth	0	6	6	12	17	24	0	8	12
End Depth	6	12	12	17	24	36	8	12	25
Chemical Name									
AROCLOR-1016 (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U
AROCLOR-1221 (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U
AROCLOR-1232 (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U
AROCLOR-1242 (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U
AROCLOR-1248 (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U
AROCLOR-1254 (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U
AROCLOR-1260 (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U
PCB, TOTAL (UG/KG)	220 U	89 U	81 U	54 U	50 U	43 U	61 U	47 U	45 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-24	SD036-24-DP	SD036-25	SD036-25	SD036-25	SD036-25	SD036-26	SD036-26	SD036-26
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767296.650	12767296.650	12767238.382	12767238.382	12767238.382	12767238.382	12767318.198	12767318.198	12767318.198
Y-Coordinate	352603.362	352603.362	352619.143	352619.143	352619.143	352619.143	352602.148	352602.148	352602.148
Start Depth	25	25	0	6	12	24	0	5	11
End Depth	34	34	6	12	24	33	5	11	21
Chemical Name									
AROCLOR-1016 (UG/KG)	41 U	46 U	100 U	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ
AROCLOR-1221 (UG/KG)	41 U	46 U	100 U	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ
AROCLOR-1232 (UG/KG)	41 U	46 U	100 U	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ
AROCLOR-1242 (UG/KG)	41 U	46 U	100 U	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ
AROCLOR-1248 (UG/KG)	41 U	46 U	100 U	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ
AROCLOR-1254 (UG/KG)	41 U	46 U	6.5 J	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ
AROCLOR-1260 (UG/KG)	41 U	46 U	100 U	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ
PCB, TOTAL (UG/KG)	41 U	46 U	6.5	110 U	10 U	95 U	97 UJ	60 UJ	48 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-26-DP	SD036-27	SD036-27	SD036-27	SD036-27	SD036-27	SD036-28	SD036-28	SD036-28
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767318.198	12767322.447	12767322.447	12767322.447	12767322.447	12767322.447	12767339.745	12767339.745	12767339.745
Y-Coordinate	352602.148	352617.018	352617.018	352617.018	352617.018	352617.018	352674.984	352674.984	352674.984
Start Depth	11	0	6	9	15	27	0	4	12
End Depth	21	6	9	16	27	38	4	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	43 UJ	38 U	43 U	75 U	46 UJ	47 UJ	38 U	82 U	82 U
AROCLOR-1221 (UG/KG)	43 UJ	38 U	43 U	75 U	46 UJ	47 UJ	38 U	82 U	82 U
AROCLOR-1232 (UG/KG)	43 UJ	38 U	43 U	75 U	46 UJ	47 UJ	38 U	82 U	82 U
AROCLOR-1242 (UG/KG)	43 UJ	51	39 J	28 J	46 UJ	47 UJ	160	82 U	82 U
AROCLOR-1248 (UG/KG)	43 UJ	38 U	43 U	75 U	46 UJ	47 UJ	38 U	82 U	82 U
AROCLOR-1254 (UG/KG)	43 UJ	21 J	17 J	14 J	46 UJ	47 UJ	36 J	82 U	82 U
AROCLOR-1260 (UG/KG)	43 UJ	9.4 J	10 J	7.5 J	46 UJ	47 UJ	8.9 J	82 U	82 U
PCB, TOTAL (UG/KG)	43 UJ	81.4	66	49.5	46 UJ	47 UJ	204.9	82 U	82 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-28	SD036-28	SD036-29	SD036-29	SD036-29-DP	SD036-29	SD036-30	SD036-30	SD036-30
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767339.745	12767339.745	12767310.307	12767310.307	12767310.307	12767310.307	12767293.919	12767293.919	12767293.919
Y-Coordinate	352674.984	352674.984	352607.003	352607.003	352607.003	352607.003	352631.586	352631.586	352631.586
Start Depth	24	36	0	6	6	15	0	6	12
End Depth	36	41	6	15	15	24	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	41 U	38 U	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U
AROCLOR-1221 (UG/KG)	41 U	38 U	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U
AROCLOR-1232 (UG/KG)	41 U	38 U	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U
AROCLOR-1242 (UG/KG)	41 U	4.9 J	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U
AROCLOR-1248 (UG/KG)	41 U	38 U	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U
AROCLOR-1254 (UG/KG)	41 U	38 U	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U
AROCLOR-1260 (UG/KG)	41 U	38 U	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U
PCB, TOTAL (UG/KG)	41 U	4.9	80 UJ	60 UJ	58 UJ	68 UJ	76 U	87 U	92 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-30-DP	SD036-30	SD036-31	SD036-31	SD036-32	SD036-32	SD036-32	SD036-32	SD036-33
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767293.919	12767293.919	12767272.979	12767272.979	12767325.178	12767325.178	12767325.178	12767325.178	12767353.402
Y-Coordinate	352631.586	352631.586	352666.790	352666.790	352602.451	352602.451	352602.451	352602.451	352612.163
Start Depth	12	24	0	11	0	4	12	20	0
End Depth	24	32	11	20	4	12	20	24	4
Chemical Name									
AROCLOR-1016 (UG/KG)	88 U	41 U	40 UJ	85 UJ	160 UJ	86 UJ	75 UJ	46 UJ	40 UJ
AROCLOR-1221 (UG/KG)	88 U	41 U	40 UJ	85 UJ	160 UJ	86 UJ	75 UJ	46 UJ	40 UJ
AROCLOR-1232 (UG/KG)	88 U	41 U	40 UJ	85 UJ	160 UJ	86 UJ	75 UJ	46 UJ	40 UJ
AROCLOR-1242 (UG/KG)	88 U	41 U	200 J	24 J	160 UJ	86 UJ	75 UJ	46 UJ	19 J
AROCLOR-1248 (UG/KG)	88 U	41 U	40 UJ	85 UJ	160 UJ	86 UJ	75 UJ	46 UJ	40 UJ
AROCLOR-1254 (UG/KG)	88 U	41 U	82 J	22 J	160 UJ	86 UJ	75 UJ	46 UJ	6.7 J
AROCLOR-1260 (UG/KG)	88 U	41 U	22 J	85 UJ	160 UJ	86 UJ	75 UJ	46 UJ	40 UJ
PCB, TOTAL (UG/KG)	88 U	41 U	304	46	160 UJ	86 UJ	75 UJ	46 UJ	25.7

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-33	SD036-33	SD036-33	SD036-34	SD036-34-DP	SD036-34	SD036-35	SD036-35	SD036-35
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767353.402	12767353.402	12767353.402	12767388.606	12767388.606	12767388.606	12767228.898	12767228.898	12767228.898
Y-Coordinate	352612.163	352612.163	352612.163	352631.282	352631.282	352631.282	352850.579	352850.579	352850.579
Start Depth	4	11	19	0	0	7	0	6	11
End Depth	11	19	24	7	7	12	6	11	24
Chemical Name									
AROCLOR-1016 (UG/KG)	65 UJ	100 UJ	41 UJ	40 U	40 U	37 U	40 U	40 U	36 U
AROCLOR-1221 (UG/KG)	65 UJ	100 UJ	41 UJ	40 U	40 U	37 U	40 U	40 U	36 U
AROCLOR-1232 (UG/KG)	65 UJ	100 UJ	41 UJ	40 U	40 U	37 U	40 U	40 U	36 U
AROCLOR-1242 (UG/KG)	65 UJ	100 UJ	41 UJ	51	61	32 J	24 J	17 J	170
AROCLOR-1248 (UG/KG)	65 UJ	100 UJ	41 UJ	40 U	40 U	37 U	40 U	40 U	36 U
AROCLOR-1254 (UG/KG)	65 UJ	100 UJ	41 UJ	15 J	22 J	12 J	13 J	6.7 J	29 J
AROCLOR-1260 (UG/KG)	65 UJ	100 UJ	41 UJ	6.9 J	9.4 J	5.1 J	6.1 J	3 J	12 J
PCB, TOTAL (UG/KG)	65 UJ	100 UJ	41 UJ	72.9	92.4	49.1	43.1	26.7	211

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-35	SD036-35	SD036-36	SD036-36-DP	SD036-36	SD036-36	SD036-36	SD036-37	SD036-37
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767228.898	12767228.898	12767515.621	12767515.621	12767515.621	12767515.621	12767515.621	12767470.810	12767470.810
Y-Coordinate	352850.579	352850.579	352708.959	352708.959	352708.959	352708.959	352708.959	352557.520	352557.520
Start Depth	24	36	0	0	6	12	24	0	6
End Depth	36	41	6	6	12	24	38	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	37 U	42 U	41 U	39 U	95 U	81 U	85 U	120 U	250 U
AROCLOR-1221 (UG/KG)	37 U	42 U	41 U	39 U	95 U	81 U	85 U	120 U	250 U
AROCLOR-1232 (UG/KG)	37 U	42 U	41 U	39 U	95 U	81 U	85 U	120 U	250 U
AROCLOR-1242 (UG/KG)	190	140	9.9 J	16 J	140	81 U	85 U	35 J	250 U
AROCLOR-1248 (UG/KG)	37 U	42 U	41 U	39 U	95 U	81 U	85 U	120 U	250 U
AROCLOR-1254 (UG/KG)	31 J	30 J	41 U	39 U	63 J	81 U	85 U	18 J	250 U
AROCLOR-1260 (UG/KG)	10 J	10 J	41 U	39 U	140 J	81 U	85 U	8.2 J	250 U
PCB, TOTAL (UG/KG)	231	180	9.9	16	343	81 U	85 U	61.2	250 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-17

Phase II- Grid 7- SD036 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD036-37-DP	SD036-37	SD036-37	SD036-37	SD036-38	SD036-38	SD036-38	SD036-38
Sample Date	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01	08/15/01
X-Coordinate	12767470.810	12767470.810	12767470.810	12767470.810	12767160.361	12767160.361	12767160.361	12767160.361
Y-Coordinate	352557.520	352557.520	352557.520	352557.520	352639.763	352639.763	352639.763	352639.763
Start Depth	6	12	18	27	0	6	12	23
End Depth	12	18	27	40	6	12	23	30
Chemical Name								
AROCLOR-1016 (UG/KG)	230 U	250 U	97 U	43 U	82 U	92 U	97 U	48 U
AROCLOR-1221 (UG/KG)	230 U	250 U	97 U	43 U	82 U	92 U	97 U	48 U
AROCLOR-1232 (UG/KG)	230 U	250 U	97 U	43 U	82 U	92 U	97 U	48 U
AROCLOR-1242 (UG/KG)	230 U	250 U	97 U	43 U	34 J	92 U	97 U	48 U
AROCLOR-1248 (UG/KG)	230 U	250 U	97 U	43 U	82 U	92 U	97 U	48 U
AROCLOR-1254 (UG/KG)	230 U	250 U	97 U	43 U	14 J	92 U	97 U	48 U
AROCLOR-1260 (UG/KG)	230 U	250 U	97 U	43 U	6.2 J	92 U	97 U	48 U
PCB, TOTAL (UG/KG)	230 U	250 U	97 U	43 U	54.2	92 U	97 U	48 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-1	SD004-1	SD004-1	SD004-1	SD004-1-DP	SD004-2	SD004-2	SD004-2	SD004-2
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001
X-Coordinate	12772978.430	12772978.430	12772978.430	12772978.430	12772978.430	12772972.885	12772972.885	12772972.885	12772972.885
Y-Coordinate	349971.121	349971.121	349971.121	349971.121	349971.121	349972.894	349972.894	349972.894	349972.894
Start Depth	0	6	16	24	24	0	6	10	17
End Depth	6	16	24	34	34	6	10	17	24
Chemical Name									
AROCLOR-1016 (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	78 U	78 U	75 UJ	46 UJ	71 UJ
AROCLOR-1221 (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	78 U	78 U	75 UJ	46 UJ	71 UJ
AROCLOR-1232 (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	78 U	78 U	75 UJ	46 UJ	71 UJ
AROCLOR-1242 (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	78 U	78 U	75 UJ	46 UJ	71 UJ
AROCLOR-1248 (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	78 U	78 U	75 UJ	46 UJ	71 UJ
AROCLOR-1254 (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	17 J	78 U	75 UJ	46 UJ	71 UJ
AROCLOR-1260 (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	78 U	78 U	75 UJ	46 UJ	71 UJ
PCB, TOTAL (UG/KG)	80 UJ	43 UJ	73 UJ	78 UJ	17	78 U	75 UJ	46 UJ	71 UJ

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-2	SD004-3	SD004-3	SD004-3	SD004-3	SD004-3-DP	SD004-3	SD004-4	SD004-4
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001
X-Coordinate	12772972.885	12772963.569	12772963.569	12772963.569	12772963.569	12772963.569	12772963.569	12772905.233	12772905.233
Y-Coordinate	349972.894	349975.999	349975.999	349975.999	349975.999	349975.999	349975.999	349993.744	349993.744
Start Depth	24	0	6	11	21	21	30	0	6
End Depth	34.5	6	11	21	30	30	38	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U
AROCLOR-1221 (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U
AROCLOR-1232 (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U
AROCLOR-1242 (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U
AROCLOR-1248 (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U
AROCLOR-1254 (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U
AROCLOR-1260 (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U
PCB, TOTAL (UG/KG)	77 UJ	78 U	80 U	42 U	72 U	72 U	80 U	82 U	78 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-4	SD004-4	SD004-5	SD004-5	SD004-5-DP	SD004-5	SD004-5	SD004-6	SD004-6
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001
X-Coordinate	12772905.233	12772905.233	12772828.487	12772828.487	12772828.487	12772828.487	12772828.487	12772987.525	12772987.525
Y-Coordinate	349993.744	349993.744	350017.034	350017.034	350017.034	350017.034	350017.034	349969.789	349969.789
Start Depth	12	24	0	3	3	12	24	0	6
End Depth	24	34	3	12	12	24	34	6	17
Chemical Name									
AROCLOR-1016 (UG/KG)	54 U	79 U	38 U	82 U	81 U	64 U	75 U	41 U	39 U
AROCLOR-1221 (UG/KG)	54 U	79 U	38 U	82 U	81 U	64 U	75 U	41 U	39 U
AROCLOR-1232 (UG/KG)	54 U	79 U	38 U	82 U	81 U	64 U	75 U	41 U	39 U
AROCLOR-1242 (UG/KG)	54 U	79 U	230	82 U	81 U	64 U	75 U	41 U	39 U
AROCLOR-1248 (UG/KG)	54 U	79 U	38 U	82 U	81 U	64 U	75 U	41 U	39 U
AROCLOR-1254 (UG/KG)	54 U	79 U	150	82 U	81 U	64 U	75 U	3.8 J	39 U
AROCLOR-1260 (UG/KG)	54 U	79 U	31 J	82 U	81 U	64 U	75 U	41 U	39 U
PCB, TOTAL (UG/KG)	54 U	79 U	411	82 U	81 U	64 U	75 U	3.8	39 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-6	SD004-6	SD004-6-DP	SD004-7	SD004-7	SD004-7	SD004-7-DP	SD004-7	SD004-7
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001
X-Coordinate	12772987.525	12772987.525	12772987.525	12772991.961	12772991.961	12772991.961	12772991.961	12772991.961	12772991.961
Y-Coordinate	349969.789	349969.789	349969.789	349969.567	349969.567	349969.567	349969.567	349969.567	349969.567
Start Depth	17	26	26	0	3	12	12	20	28
End Depth	26	34	34	3	12	20	20	28	36
Chemical Name									
AROCLOR-1016 (UG/KG)	72 U	75 U	80 U	72 U	42 U	43 U	44 U	74 U	75 U
AROCLOR-1221 (UG/KG)	72 U	75 U	80 U	72 U	42 U	43 U	44 U	74 U	75 U
AROCLOR-1232 (UG/KG)	72 U	75 U	80 U	72 U	42 U	43 U	44 U	74 U	75 U
AROCLOR-1242 (UG/KG)	72 U	75 U	80 U	70 J	42 U	43 U	44 U	74 U	75 U
AROCLOR-1248 (UG/KG)	72 U	75 U	80 U	72 U	42 U	43 U	44 U	74 U	75 U
AROCLOR-1254 (UG/KG)	72 U	75 U	80 U	27 J	42 U	43 U	44 U	74 U	75 U
AROCLOR-1260 (UG/KG)	72 U	75 U	80 U	72 U	42 U	43 U	44 U	74 U	75 U
PCB, TOTAL (UG/KG)	72 U	75 U	80 U	97	42 U	43 U	44 U	74 U	75 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-8	SD004-8	SD004-8	SD004-8	SD004-9	SD004-9	SD004-9	SD004-9	SD004-9-DP
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001
X-Coordinate	12773002.830	12773002.830	12773002.830	12773002.830	12773062.718	12773062.718	12773062.718	12773062.718	12773062.718
Y-Coordinate	349969.567	349969.567	349969.567	349969.567	349970.011	349970.011	349970.011	349970.011	349970.011
Start Depth	0	10	20	30	0	5	11	14	14
End Depth	10	20	30	39	5	11	14	29	29
Chemical Name									
AROCLOR-1016 (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U
AROCLOR-1221 (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U
AROCLOR-1232 (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U
AROCLOR-1242 (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U
AROCLOR-1248 (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U
AROCLOR-1254 (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U
AROCLOR-1260 (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U
PCB, TOTAL (UG/KG)	71 U	40 U	72 U	78 U	78 U	75 U	41 U	74 U	73 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-10	SD004-10	SD004-10	SD004-10	SD004-10-DP	SD004-10	SD004-11	SD004-11	SD004-11
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001
X-Coordinate	12773142.570	12773142.570	12773142.570	12773142.570	12773142.570	12773142.570	12772982.867	12772982.867	12772982.867
Y-Coordinate	349969.567	349969.567	349969.567	349969.567	349969.567	349969.567	349964.909	349964.909	349964.909
Start Depth	0	6	12	19	19	30	0	6	14
End Depth	6	12	19	30	30	38	6	14	21
Chemical Name									
AROCLOR-1016 (UG/KG)	84 U	73 U	61 U	80 U	79 U	43 U	62 U	75 U	42 U
AROCLOR-1221 (UG/KG)	84 U	73 U	61 U	80 U	79 U	43 U	62 U	75 U	42 U
AROCLOR-1232 (UG/KG)	84 U	73 U	61 U	80 U	79 U	43 U	62 U	75 U	42 U
AROCLOR-1242 (UG/KG)	1600 D	73 U	7.1 J	80 U	79 U	43 U	29 J	75 U	42 U
AROCLOR-1248 (UG/KG)	84 U	73 U	61 U	80 U	79 U	43 U	62 U	75 U	42 U
AROCLOR-1254 (UG/KG)	1900 D	17 J	9.6 J	80 U	79 U	43 U	24 J	75 U	1.5 J
AROCLOR-1260 (UG/KG)	720 DJ	73 U	61 U	80 U	79 U	43 U	62 U	75 U	42 U
PCB, TOTAL (UG/KG)	4220	17	16.7	80 U	79 U	43 U	53	75 U	1.5

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-11	SD004-12	SD004-12	SD004-12	SD004-12	SD004-13	SD004-13	SD004-13	SD004-13
Sample Date	8/27/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12772982.867	12772981.536	12772981.536	12772981.536	12772981.536	12772979.540	12772979.540	12772979.540	12772979.540
Y-Coordinate	349964.909	349950.713	349950.713	349950.713	349950.713	349890.824	349890.824	349890.824	349890.824
Start Depth	21	0	7	12	21	0	7	12	19
End Depth	29.5	7	12	21	32	7	12	19	27
Chemical Name									
AROCLOR-1016 (UG/KG)	74 U	63 U	42 U	41 U	78 U	36 U	68 U	75 U	42 U
AROCLOR-1221 (UG/KG)	74 U	63 U	42 U	41 U	78 U	36 U	68 U	75 U	42 U
AROCLOR-1232 (UG/KG)	74 U	63 U	42 U	41 U	78 U	36 U	68 U	75 U	42 U
AROCLOR-1242 (UG/KG)	74 U	17 J	42 U	41 U	78 U	57	98	75 U	42 U
AROCLOR-1248 (UG/KG)	74 U	63 U	42 U	41 U	78 U	36 U	68 U	75 U	42 U
AROCLOR-1254 (UG/KG)	74 U	14 J	42 U	41 U	78 U	24 J	71 J	75 U	42 U
AROCLOR-1260 (UG/KG)	74 U	63 U	42 U	41 U	78 U	11 J	23 J	75 U	42 U
PCB, TOTAL (UG/KG)	74 U	31	42 U	41 U	78 U	92	192	75 U	42 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-13-DP	SD004-13	SD004-14	SD004-14	SD004-14	SD004-14	SD004-14	SD004-15	SD004-15
Sample Date	8/28/2001	8/28/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/27/2001
X-Coordinate	12772979.540	12772979.540	12772973.329	12772973.329	12772973.329	12772973.329	12772973.329	12772946.046	12772946.046
Y-Coordinate	349890.824	349890.824	349965.796	349965.796	349965.796	349965.796	349965.796	349953.818	349953.818
Start Depth	19	27	0	6	11.5	20	30	0	6
End Depth	27	35	6	11.5	20	30	41	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U
AROCLOR-1221 (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U
AROCLOR-1232 (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U
AROCLOR-1242 (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U
AROCLOR-1248 (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U
AROCLOR-1254 (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U
AROCLOR-1260 (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U
PCB, TOTAL (UG/KG)	43 U	43 U	73 U	66 U	43 U	71 U	76 U	73 U	76 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-15	SD004-15	SD004-15	SD004-15-DP	SD004-16	SD004-16	SD004-16	SD004-16	SD004-17
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/27/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/27/2001
X-Coordinate	12772946.046	12772946.046	12772946.046	12772946.046	12772909.669	12772909.669	12772909.669	12772909.669	12772989.743
Y-Coordinate	349953.818	349953.818	349953.818	349953.818	349936.074	349936.074	349936.074	349936.074	349963.134
Start Depth	12	20	23	23	0	8	12	24	0
End Depth	20	23	31	31	8	12	24	36	6
Chemical Name									
AROCLOR-1016 (UG/KG)	76 U	43 U	73 U	76 U	75 U	75 U	75 U	83 U	80 U
AROCLOR-1221 (UG/KG)	76 U	43 U	73 U	76 U	75 U	75 U	75 U	83 U	80 U
AROCLOR-1232 (UG/KG)	76 U	43 U	73 U	76 U	75 U	75 U	75 U	83 U	80 U
AROCLOR-1242 (UG/KG)	76 U	43 U	73 U	76 U	83	75 U	75 U	83 U	23 J
AROCLOR-1248 (UG/KG)	76 U	43 U	73 U	76 U	75 U	75 U	75 U	83 U	80 U
AROCLOR-1254 (UG/KG)	76 U	43 U	73 U	76 U	31 J	75 U	75 U	83 U	80 U
AROCLOR-1260 (UG/KG)	76 U	43 U	73 U	76 U	75 U	75 U	75 U	83 U	80 U
PCB, TOTAL (UG/KG)	76 U	43 U	73 U	76 U	114	75 U	75 U	83 U	23

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-17	SD004-17	SD004-17	SD004-18	SD004-18	SD004-18	SD004-18	SD004-18	SD004-19
Sample Date	8/27/2001	8/27/2001	8/27/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12772989.743	12772989.743	12772989.743	12773012.811	12773012.811	12773012.811	12773012.811	12773012.811	12773044.974
Y-Coordinate	349963.134	349963.134	349963.134	349945.390	349945.390	349945.390	349945.390	349945.390	349920.547
Start Depth	6	12	24	0	6	12	20	23	0
End Depth	12	24	29	6	12	20	23	33	6
Chemical Name									
AROCLOR-1016 (UG/KG)	75 U	42 U	67 U	38 U	120 U	79 U	43 U	83 U	82 U
AROCLOR-1221 (UG/KG)	75 U	42 U	67 U	38 U	120 U	79 U	43 U	83 U	82 U
AROCLOR-1232 (UG/KG)	75 U	42 U	67 U	38 U	120 U	79 U	43 U	83 U	82 U
AROCLOR-1242 (UG/KG)	75 U	42 U	67 U	260	120 U	79 U	43 U	83 U	82 U
AROCLOR-1248 (UG/KG)	75 U	42 U	67 U	38 U	120 U	79 U	43 U	83 U	82 U
AROCLOR-1254 (UG/KG)	75 U	42 U	67 U	98	120 U	79 U	43 U	83 U	82 U
AROCLOR-1260 (UG/KG)	75 U	42 U	67 U	44	120 U	79 U	43 U	83 U	82 U
PCB, TOTAL (UG/KG)	75 U	42 U	67 U	402	120 U	79 U	43 U	89 U	82 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-19	SD004-19	SD004-19-DP	SD004-20	SD004-20	SD004-20	SD004-20	SD004-20-DP	SD004-20
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12773044.974	12773044.974	12773044.974	12772976.464	12772976.464	12772976.464	12772976.464	12772976.464	12772976.464
Y-Coordinate	349920.547	349920.547	349920.547	349857.021	349857.021	349857.021	349857.021	349857.021	349857.021
Start Depth	6	15	15	0	4	12	18	18	26
End Depth	15	28	28	4	12	18	26	26	32
Chemical Name									
AROCLOR-1016 (UG/KG)	47 U	76 U	74 U	45 U	76 U	75 U	60 U	54 U	78 U
AROCLOR-1221 (UG/KG)	47 U	76 U	74 U	45 U	76 U	75 U	60 U	54 U	78 U
AROCLOR-1232 (UG/KG)	47 U	76 U	74 U	45 U	76 U	75 U	60 U	54 U	78 U
AROCLOR-1242 (UG/KG)	47 U	76 U	74 U	130	33 J	75 U	60 U	54 U	78 U
AROCLOR-1248 (UG/KG)	47 U	76 U	74 U	45 U	76 U	75 U	60 U	54 U	78 U
AROCLOR-1254 (UG/KG)	47 U	76 U	74 U	62 J	26 J	75 U	60 U	54 U	78 U
AROCLOR-1260 (UG/KG)	47 U	76 U	74 U	32 J	76 U	75 U	60 U	54 U	78 U
PCB, TOTAL (UG/KG)	47 U	76 U	74 U	224	59	75 U	60 U	54 U	78 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-21	SD004-21	SD004-21	SD004-21	SD004-22	SD004-22	SD004-22	SD004-23	SD004-23
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12772971.483	12772971.483	12772971.483	12772971.483	12772962.393	12772962.393	12772962.393	12772986.053	12772986.053
Y-Coordinate	349858.640	349858.640	349858.640	349858.640	349861.380	349861.380	349861.380	349855.402	349855.402
Start Depth	1	7	14	18	0	6	14	0	6
End Depth	7	14	18	25	6	14	20	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	80 U	78 U	66 U	55 U	80 U	76 U	60 U	71 U	77 U
AROCLOR-1221 (UG/KG)	80 U	78 U	66 U	55 U	80 U	76 U	60 U	71 U	77 U
AROCLOR-1232 (UG/KG)	80 U	78 U	66 U	55 U	80 U	76 U	60 U	71 U	77 U
AROCLOR-1242 (UG/KG)	80 U	78 U	66 U	55 U	40 J	76 U	60 U	93 J	77 U
AROCLOR-1248 (UG/KG)	80 U	78 U	66 U	55 U	80 U	76 U	60 U	71 U	77 U
AROCLOR-1254 (UG/KG)	80 U	78 U	66 U	55 U	80 U	76 U	60 U	49 J	77 U
AROCLOR-1260 (UG/KG)	80 U	78 U	66 U	55 U	80 U	76 U	60 U	20 J	77 U
PCB, TOTAL (UG/KG)	80 U	78 U	66 U	55 U	40	76 U	60 U	162	77 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
D= Result is from a dilution analysis.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-23-DP	SD004-23	SD004-23	SD004-23	SD004-24	SD004-24	SD004-24	SD004-24	SD004-25
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12772986.053	12772986.053	12772986.053	12772986.053	12772990.785	12772990.785	12772990.785	12772990.785	12773001.370
Y-Coordinate	349855.402	349855.402	349855.402	349855.402	349855.651	349855.651	349855.651	349855.651	349856.398
Start Depth	6	12	20	22	0	4	12	21	0
End Depth	12	20	22	27	4	12	21	28	6
Chemical Name									
AROCLOR-1016 (UG/KG)	76 U	69 U	50 U	78 U	41 U	86 U	78 U	72 U	45 U
AROCLOR-1221 (UG/KG)	76 U	69 U	50 U	78 U	41 U	86 U	78 U	72 U	45 U
AROCLOR-1232 (UG/KG)	76 U	69 U	50 U	78 U	41 U	86 U	78 U	72 U	45 U
AROCLOR-1242 (UG/KG)	76 U	1400 D	44 J	78 U	41 U	86 U	63 J	72 U	100 J
AROCLOR-1248 (UG/KG)	76 U	69 U	50 U	78 U	41 U	86 U	78 U	72 U	45 U
AROCLOR-1254 (UG/KG)	76 U	500 J	28 J	78 U	41 U	86 U	35 J	72 U	59 J
AROCLOR-1260 (UG/KG)	76 U	210 J	50 U	78 U	41 U	86 U	78 U	72 U	30 J
PCB, TOTAL (UG/KG)	76 U	2110	72	78 U	41 U	86 U	98	72 U	189

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-25	SD004-25	SD004-25-DP	SD004-25	SD004-26	SD004-26	SD004-26	SD004-27	SD004-27
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12773001.370	12773001.370	12773001.370	12773001.370	12772905.264	12772905.264	12772905.264	12772828.893	12772828.893
Y-Coordinate	349856.398	349856.398	349856.398	349856.398	349881.434	349881.434	349881.434	349907.945	349907.945
Start Depth	6	12	12	21	0	6	12	0	6
End Depth	12	21	21	27	6	12	26	6	12
Chemical Name									
AROCLOR-1016 (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U
AROCLOR-1221 (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U
AROCLOR-1232 (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U
AROCLOR-1242 (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U
AROCLOR-1248 (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U
AROCLOR-1254 (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U
AROCLOR-1260 (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U
PCB, TOTAL (UG/KG)	87 U	79 U	52 U	70 U	89 U	80 U	71 U	79 U	64 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-27	SD004-28	SD004-28	SD004-28	SD004-28	SD004-29	SD004-29	SD004-29	SD004-29
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12772828.893	12773060.924	12773060.924	12773060.924	12773060.924	12773141.186	12773141.186	12773141.186	12773141.186
Y-Coordinate	349907.945	349860.761	349860.761	349860.761	349860.761	349866.598	349866.598	349866.598	349866.598
Start Depth	12	2	6	12	22	0	6	12	24
End Depth	24	6	12	22	26	6	12	24	33
Chemical Name									
AROCLOR-1016 (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U
AROCLOR-1221 (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U
AROCLOR-1232 (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U
AROCLOR-1242 (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U
AROCLOR-1248 (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U
AROCLOR-1254 (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U
AROCLOR-1260 (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U
PCB, TOTAL (UG/KG)	55 U	81 UJ	86 UJ	76 UJ	48 UJ	100 U	89 U	75 U	81 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-30	SD004-30	SD004-30-DP	SD004-30	SD004-31	SD004-31	SD004-31	SD004-31	SD004-32
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12772981.148	12772981.148	12772981.148	12772981.148	12772982.121	12772982.121	12772982.121	12772982.121	12772983.580
Y-Coordinate	349861.004	349861.004	349861.004	349861.004	349875.840	349875.840	349875.840	349875.840	349936.888
Start Depth	2	10	10	23	0	6	12	25	0
End Depth	10	18	18	26	6	12	19	30	4
Chemical Name									
AROCLOR-1016 (UG/KG)	77 U	76 U	76 U	43 U	37 U	77 U	66 U	46 U	39 U
AROCLOR-1221 (UG/KG)	77 U	76 U	76 U	43 U	37 U	77 U	66 U	46 U	39 U
AROCLOR-1232 (UG/KG)	77 U	76 U	76 U	43 U	37 U	77 U	66 U	46 U	39 U
AROCLOR-1242 (UG/KG)	38 J	76 U	76 U	43 U	82	77 U	66 U	46 U	70
AROCLOR-1248 (UG/KG)	77 U	76 U	76 U	43 U	37 U	77 U	66 U	46 U	39 U
AROCLOR-1254 (UG/KG)	25 J	76 U	76 U	43 U	44 J	77 U	66 U	46 U	33 J
AROCLOR-1260 (UG/KG)	77 U	76 U	76 U	43 U	23 J	77 U	66 U	46 U	19 J
PCB, TOTAL (UG/KG)	63	76 U	76 U	43 U	149	77 U	66 U	46 U	122

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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U= Result is undetected at the method detection limit noted.
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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-32	SD004-32	SD004-32	SD004-33	SD004-33	SD004-33	SD004-33-DP	SD004-33	SD004-33
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12772983.580	12772983.580	12772983.580	12772988.201	12772988.201	12772988.201	12772988.201	12772988.201	12772988.201
Y-Coordinate	349936.888	349936.888	349936.888	349862.950	349862.950	349862.950	349862.950	349862.950	349862.950
Start Depth	4	12	22	0	4	12	12	20	27
End Depth	12	22	30	4	12	20	20	27	31
Chemical Name									
AROCLOR-1016 (UG/KG)	77 U	43 U	74 U	35 U	68 U	71 U	73 U	48 U	75 U
AROCLOR-1221 (UG/KG)	77 U	43 U	74 U	35 U	68 U	71 U	73 U	48 U	75 U
AROCLOR-1232 (UG/KG)	77 U	43 U	74 U	35 U	68 U	71 U	73 U	48 U	75 U
AROCLOR-1242 (UG/KG)	77 U	43 U	74 U	130	140 J	71 U	73 U	48 U	150
AROCLOR-1248 (UG/KG)	77 U	43 U	74 U	35 U	68 U	71 U	73 U	48 U	75 U
AROCLOR-1254 (UG/KG)	77 U	43 U	74 U	79 J	76 J	71 U	73 U	5.3 J	77 J
AROCLOR-1260 (UG/KG)	77 U	43 U	74 U	39 J	22 J	71 U	73 U	48 U	50 J
PCB, TOTAL (UG/KG)	77 U	43 U	74 U	248	238	71 U	73 U	5.3	277

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-34	SD004-34	SD004-34	SD004-34	SD004-34-DP	SD004-35	SD004-35	SD004-35	SD004-35
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12773012.766	12773012.766	12773012.766	12773012.766	12773012.766	12773044.871	12773044.871	12773044.871	12773044.871
Y-Coordinate	349880.462	349880.462	349880.462	349880.462	349880.462	349904.054	349904.054	349904.054	349904.054
Start Depth	0	6	12	20	20	0	7	11	14
End Depth	6	12	20	28	28	7	11	14	22
Chemical Name									
AROCLOR-1016 (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U
AROCLOR-1221 (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U
AROCLOR-1232 (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U
AROCLOR-1242 (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U
AROCLOR-1248 (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U
AROCLOR-1254 (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U
AROCLOR-1260 (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U
PCB, TOTAL (UG/KG)	86 U	79 U	46 U	73 U	37 U	60 UJ	46 UJ	85 UJ	38 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

J= Result is an estimated value.
U= Result is undetected at the method detection limit noted.
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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-35	SD004-36	SD004-36	SD004-36	SD004-36	SD004-36	SD004-37	SD004-37	SD004-37
Sample Date	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001	8/28/2001
X-Coordinate	12773044.871	12772975.067	12772975.067	12772975.067	12772975.067	12772975.067	12772960.474	12772960.474	12772960.474
Y-Coordinate	349904.054	349864.409	349864.409	349864.409	349864.409	349864.409	349890.190	349890.190	349890.190
Start Depth	22	0	6	12	18	29	0	6	12
End Depth	32	6	12	18	29	35	6	12	24
Chemical Name									
AROCLOR-1016 (UG/KG)	37 U	53 U	82 U	75 U	40 U	78 U	81 U	76 U	49 U
AROCLOR-1221 (UG/KG)	37 U	53 U	82 U	75 U	40 U	78 U	81 U	76 U	49 U
AROCLOR-1232 (UG/KG)	37 U	53 U	82 U	75 U	40 U	78 U	81 U	76 U	49 U
AROCLOR-1242 (UG/KG)	37 U	87	82 U	75 U	40 U	78 U	81 U	76 U	49 U
AROCLOR-1248 (UG/KG)	37 U	53 U	82 U	75 U	40 U	78 U	81 U	76 U	49 U
AROCLOR-1254 (UG/KG)	37 U	48 J	82 U	75 U	40 U	78 U	81 U	76 U	49 U
AROCLOR-1260 (UG/KG)	37 U	27 J	82 U	75 U	40 U	78 U	81 U	76 U	49 U
PCB, TOTAL (UG/KG)	37 U	162	82 U	75 U	40 U	78 U	81 U	76 U	49 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-18

Phase II- Grid 8- SD004 PCB Sampling Results
Allied Paper, Kalamazoo River

Location ID	SD004-37	SD004-37-DP	SD004-38	SD004-38	SD004-38	SD004-38
Sample Date	8/28/2001	8/28/2001	8/21/2001	8/21/2001	8/21/2001	8/21/2001
X-Coordinate	12772960.474	12772960.474	12772938.828	12772938.828	12772938.828	12772938.828
Y-Coordinate	349890.190	349890.190	349925.214	349925.214	349925.214	349925.214
Start Depth	24	24	0	7	12	24
End Depth	32	32	7	12	24	31
Chemical Name						
AROCLOR-1016 (UG/KG)	77 UJ	80 UJ	35 U	68 U	80 U	76 U
AROCLOR-1221 (UG/KG)	77 UJ	80 UJ	35 U	68 U	80 U	76 U
AROCLOR-1232 (UG/KG)	77 UJ	80 UJ	35 U	68 U	80 U	76 U
AROCLOR-1242 (UG/KG)	77 UJ	80 UJ	53	89 J	80 U	76 U
AROCLOR-1248 (UG/KG)	77 UJ	80 UJ	35 U	68 U	80 U	76 U
AROCLOR-1254 (UG/KG)	77 UJ	80 UJ	21 J	68 U	80 U	76 U
AROCLOR-1260 (UG/KG)	77 UJ	80 UJ	35 U	68 U	80 U	76 U
PCB, TOTAL (UG/KG)	77 UJ	80 UJ	74	89	80 U	76 U

NOTES:
X and Y Coordinates are in US State Plane, Michigan South 2113, NAD 1983, Feet.

All PCB total results are in UG/KG. When calculating PCB total concentrations, specific Aroclor values that were undetected at the method detection limit were assumed to be zero. If all Aroclor values were undetected, at a specific sample location, then the detection limit was shown with a "U" flag.

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Table 5-19

Statistical Analysis of Phase II - Grid 1 (SL015) - Soil PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	33	33	36	116
Number of Non-Detects	NA	0	0	0	2
Number of Samples Above 1000 ug/kg	NA	30	29	28	50
Arithmetic Average (ug/kg)	NA	34,672.75	24,646.58	13,099.36	5,940.83
Arithmetic Upper 95% Confidence Limit (ug/kg)	NA	45,496.76	33,721.76	20,048.57	9,704.09
Arithmetic Lower 95% Confidence Limit (ug/kg)	NA	23,848.75	15,571.39	6,150.16	2,177.56
Geometric Mean (ug/kg)	NA	14,585.12	9,986.42	3,922.49	#NUM!
Geometric Upper 95% Confidence Limit (ug/kg)	NA	317,334.51	135,866.87	54,222.55	9,873.33
Geometric Lower 95% Confidence Limit (ug/kg)	NA	670.35	734.02	283.75	55.96
Minimum (ug/kg)	NA	53	174	39	14
Maximum (ug/kg)	NA	134,100	97,400	79,900	158,000

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Table 5-20

Statistical Analysis of Phase II - Grid 2 (SL029) - Soil PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	33	33	41	128
Number of Non-Detects	NA	1	1	1	10
Number of Samples Above 1000 ug/kg	NA	30	26	18	9
Arithmetic Average (ug/kg)	NA	10,328.73	4,262.12	1,243.06	360.66
Arithmetic Upper 95% Confidence Limit (ug/kg)	NA	14,310.13	6,964.79	1,686.32	472.96
Arithmetic Lower 95% Confidence Limit (ug/kg)	NA	6,347.32	1,559.45	799.81	248.36
Geometric Mean (ug/kg)	NA	4,866.37	1,843.59	801.10	166.27
Geometric Upper 95% Confidence Limit (ug/kg)	NA	39,495.45	11,139.70	2,039.81	508.64
Geometric Lower 95% Confidence Limit (ug/kg)	NA	599.60	305.11	314.62	54.35
Minimum (ug/kg)	NA	18	18	18	10
Maximum (ug/kg)	NA	43,000	45,300	8,900	5,600

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Table 5-21

Statistical Analysis of Phase II - Grid 3 (SD045) - Sediment PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 inches	2 - 6 inches	6 - 12 inches	12 - 24 inches	> 24 inches
Number of Samples	4	22	23	32	23
Number of Non-Detects	0	3	3	11	13
Number of Samples Above 1000 ug/kg	0	0	7	6	2
Arithmetic Average (ug/kg)	54.75	102.10	2,033.96	1,575.85	487.33
Arithmetic Upper 95% Confidence Limit (ug/kg)	80.63	164.64	4,452.49	3,387.01	1,085.32
Arithmetic Lower 95% Confidence Limit (ug/kg)	28.87	39.56	-384.57	-235.31	-110.65
Geometric Mean (ug/kg)	50.49	61.09	216.65	107.54	50.59
Geometric Upper 95% Confidence Limit (ug/kg)	178.02	151.60	13,224.60	6,098.59	1,303.58
Geometric Lower 95% Confidence Limit (ug/kg)	14.32	24.62	3.55	1.90	1.96
Minimum (ug/kg)	31	9	22	6	4
Maximum (ug/kg)	92	590	28,400	29,000	6,800

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Table 5-22

Statistical Analysis of Phase II - Grid 4 (SL053) - Soil PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	33	33	41	95
Number of Non-Detects	NA	28	14	14	85
Number of Samples Above 1000 ug/kg	NA	0	0	0	0
Arithmetic Average (ug/kg)	NA	36.14	76.25	154.25	88.92
Arithmetic Upper 95% Confidence Limit (ug/kg)	NA	61.32	108.02	210.26	100.70
Arithmetic Lower 95% Confidence Limit (ug/kg)	NA	10.96	44.47	98.24	77.13
Geometric Mean (ug/kg)	NA	24.88	45.61	86.45	66.09
Geometric Upper 95% Confidence Limit (ug/kg)	NA	35.57	108.45	255.15	117.72
Geometric Lower 95% Confidence Limit (ug/kg)	NA	17.40	19.18	29.29	37.10
Minimum (ug/kg)	NA	12	8	6	6
Maximum (ug/kg)	NA	446	568	770	372

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Table 5-23

Statistical Analysis of Phase II - Grid 4 (SL053) - Sediment PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	4	4	6	7
Number of Non-Detects	NA	2	3	5	5
Number of Samples Above 1000 ug/kg	NA	0	0	0	0
Arithmetic Average (ug/kg)	NA	48.38	53.03	162.42	56.07
Arithmetic Upper 95% Confidence Limit (ug/kg)	NA	83.90	89.01	380.45	77.09
Arithmetic Lower 95% Confidence Limit (ug/kg)	NA	12.85	17.04	-55.61	35.05
Geometric Mean (ug/kg)	NA	36.90	42.92	66.03	49.79
Geometric Upper 95% Confidence Limit (ug/kg)	NA	3,512.59	1,321.86	4,928.35	100.40
Geometric Lower 95% Confidence Limit (ug/kg)	NA	0.39	1.39	0.88	24.69
Minimum (ug/kg)	NA	14	21	22	23
Maximum (ug/kg)	NA	88	95	714	95

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Table 5-24

Statistical Analysis of Phase II - Grid 5 (SD030) - Soil PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	15	14	21	37
Number of Non-Detects	NA	0	0	0	1
Number of Samples Above 1000 ug/kg	NA	13	8	10	3
Arithmetic Average (ug/kg)	NA	3,159.27	4,642.93	6,751.93	1,005.57
Arithmetic Upper 95% Confidence Limit (ug/kg)	NA	4,391.84	7,335.62	11,999.70	2,188.63
Arithmetic Lower 95% Confidence Limit (ug/kg)	NA	1,926.70	1,950.24	1,504.17	-177.49
Geometric Mean (ug/kg)	NA	2,095.52	1,854.83	1,138.32	147.48
Geometric Upper 95% Confidence Limit (ug/kg)	NA	10,102.68	39,693.73	91,478.19	114,310.50
Geometric Lower 95% Confidence Limit (ug/kg)	NA	434.66	86.67	14.16	0.19
Minimum (ug/kg)	NA	118	136	9	11
Maximum (ug/kg)	NA	8,400	15,500	40,000	20,600

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Table 5-25

Statistical Analysis of Phase II - Grid 5 (SD030) - Sediment PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	4	14	7	5	7
Number of Non-Detects	0	0	2	1	1
Number of Samples Above 1000 ug/kg	0	3	1	2	1
Arithmetic Average (ug/kg)	119.35	3,377.03	818.67	9,525.50	487.47
Arithmetic Upper 95% Confidence Limit (ug/kg)	206.14	9,431.98	1,953.87	21,901.77	1,201.66
Arithmetic Lower 95% Confidence Limit (ug/kg)	32.56	-2,677.92	-316.53	-2,850.77	-226.72
Geometric Mean (ug/kg)	96.35	179.46	155.27	1,119.73	119.57
Geometric Upper 95% Confidence Limit (ug/kg)	2,621.09	13,894.57	495,479.16	8.08E+13	36,805.14
Geometric Lower 95% Confidence Limit (ug/kg)	3.54	2.32	0.05	0.00	0.39
Minimum (ug/kg)	48	40	19	24	18
Maximum (ug/kg)	238	43,500	4,220	32,300	2,650

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Table 5-26

Statistical Analysis of Phase II - Grid 6 (SL012) - Soil PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	NA	28	26	36	69
Number of Non-Detects	NA	0	0	0	10
Number of Samples Above 1000 ug/kg	NA	26	20	8	4
Arithmetic Average (ug/kg)	NA	19,661.63	13,377.17	6,207.27	727.07
Arithmetic Upper 95% Confidence Limit (ug/kg)	NA	26,100.35	19,281.76	11,912.62	1,565.15
Arithmetic Lower 95% Confidence Limit (ug/kg)	NA	13,222.90	7,472.57	501.93	-111.01
Geometric Mean (ug/kg)	NA	8,790.01	3,761.48	410.25	91.22
Geometric Upper 95% Confidence Limit (ug/kg)	NA	389,489.58	449,550.59	26,775.98	526.90
Geometric Lower 95% Confidence Limit (ug/kg)	NA	198.37	31.47	6.29	15.79
Minimum (ug/kg)	NA	8	8	3	6
Maximum (ug/kg)	NA	61,000	48,100	65,600	28,000

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Table 5-27

Statistical Analysis of Phase II - Grid 7 (SD036) - Sediment PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	4	34	37	46	41
Number of Non-Detects	1	10	18	29	30
Number of Samples Above 1000 ug/kg	0	0	3	4	2
Arithmetic Average (ug/kg)	85.65	62.20	395.77	532.37	338.79
Arithmetic Upper 95% Confidence Limit (ug/kg)	167.10	80.78	847.24	965.73	750.57
Arithmetic Lower 95% Confidence Limit (ug/kg)	4.20	43.62	-55.70	99.01	-72.98
Geometric Mean (ug/kg)	60.59	46.65	71.82	77.70	46.06
Geometric Upper 95% Confidence Limit (ug/kg)	10,262.19	85.44	341.33	655.99	198.24
Geometric Lower 95% Confidence Limit (ug/kg)	0.36	25.47	15.11	9.20	10.70
Minimum (ug/kg)	26	7	13	5	5
Maximum (ug/kg)	205	304	8,260	6,670	7,620

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Table 5-28

Statistical Analysis of Phase II - Grid 8 (SD004) - Sediment PCB Data
Allied Paper, Kalamazoo River

	Average Sample Depth				
	0 - 2 in bgs	2 - 6 in bgs	6 - 12 in bgs	12 - 24 in bgs	> 24 in bgs
Number of Samples	6	32	36	53	33
Number of Non-Detects	1	17	31	47	32
Number of Samples Above 1000 ug/kg	0	1	0	1	0
Arithmetic Average (ug/kg)	187.08	201.67	47.78	70.45	42.91
Arithmetic Upper 95% Confidence Limit (ug/kg)	297.56	457.05	61.97	147.42	57.42
Arithmetic Lower 95% Confidence Limit (ug/kg)	76.61	-53.72	33.58	-6.52	28.40
Geometric Mean (ug/kg)	133.02	59.11	39.66	30.09	37.09
Geometric Upper 95% Confidence Limit (ug/kg)	1,916.38	184.83	54.25	54.25	46.68
Geometric Lower 95% Confidence Limit (ug/kg)	9.23	18.91	28.99	16.69	29.47
Minimum (ug/kg)	21	4	17	2	19
Maximum (ug/kg)	411	4,220	238	2,110	277

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Table 5-29

Summary of Maximim PCB Concentrations From Phase II
Allied Paper, Kalamazoo River

Grid Number	Location ID	Substrate	Reach	Depth	Maximum Concentration	% of Samples > 1,000 ug/kg
2	SL029-25	Soil	1	6 - 12	45,300	35
5	SD030-36	Soil	2	12 - 18	40,000	39
6	SL012-13	Soil	1	12 - 18	65,600	36
4	SL053-21	Soil	2	12 - 20	770	0
1	SL015-25	Soil	1	36 - 48	158,000	0.92
5	SD030-10	Sediment	2	0 - 6	43,500	19
8	SD004-10	Sediment	1	0 - 6	4,220	1
7	SD036-5	Sediment	2	9 - 12	8,260	6
3	SD045-19	Sediment	2	16 - 24	29,000	14
4	SL053-18	Sediment	2	18 - 24	714	0

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APPENDIX A

Photo 1: Spring 2001. Visible paper waste at shore of Kalamazoo River near the former Plainwell Impoundment.

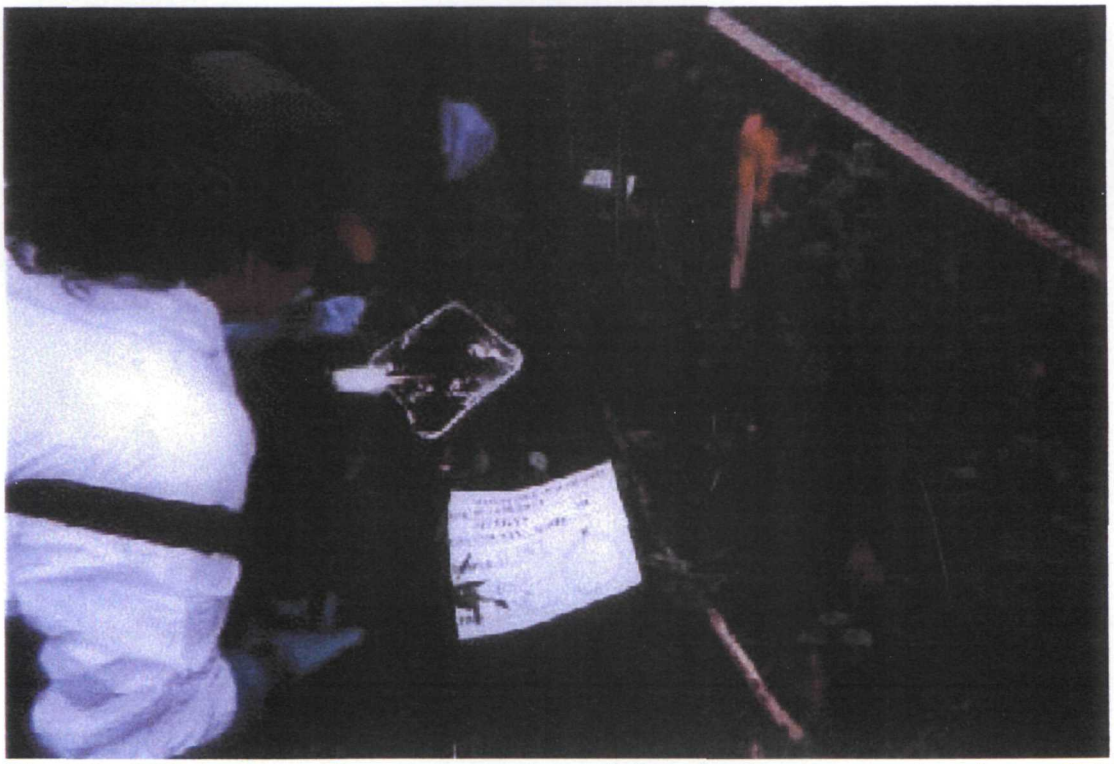

Photo 2: 22 May 2001, Phase I. Extracting soil from bucket auger on location at SL057.

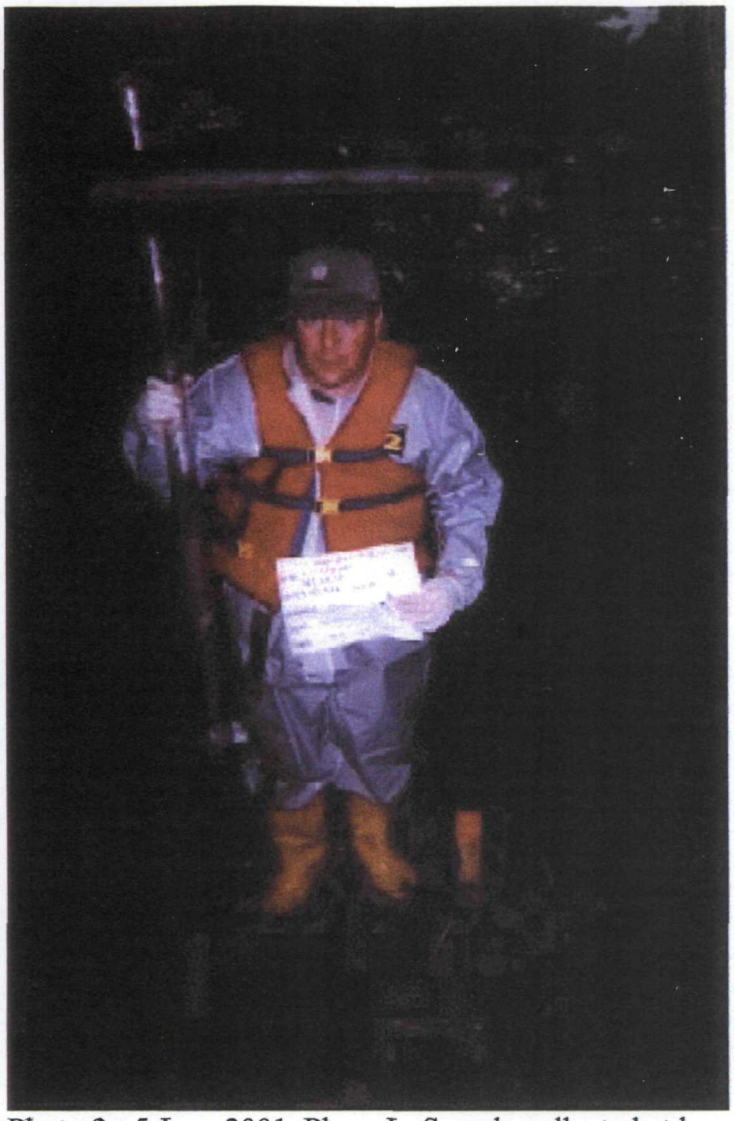

Photo 3: 5 June 2001, Phase I. Sample collected at location SD048, core shows stratigraphy.

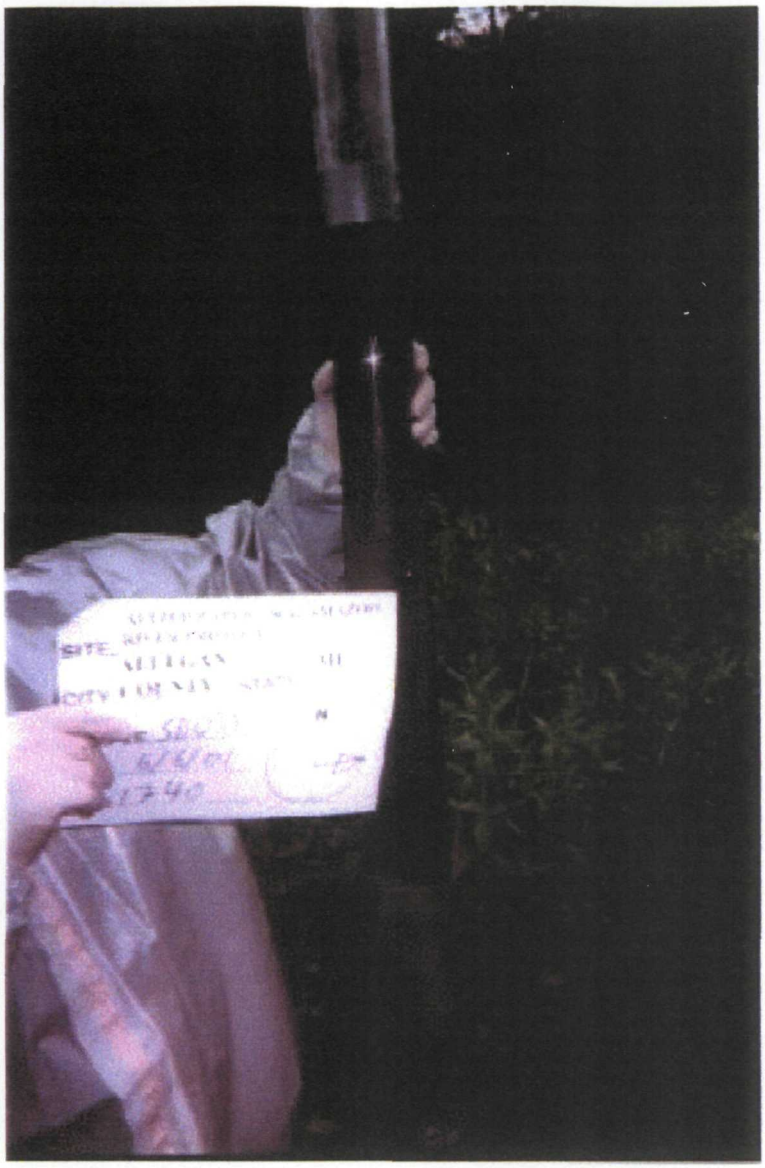

Photo 4: 6 June 2001, Phase I. Sample collected at SD035, core shows stratigraphy

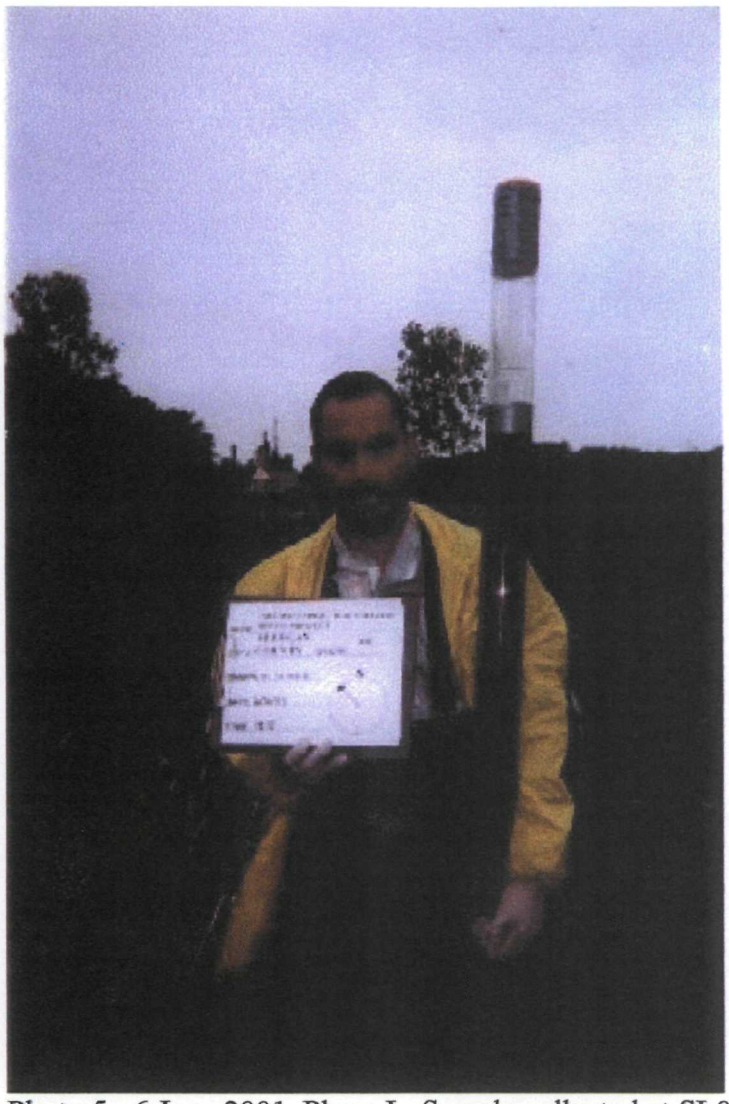

Photo 5: 6 June 2001, Phase I. Sample collected at SL058, core shows stratigraphy.

Photo 6: 6 June 2001, Phase I. Core split open for logging from location SL064.

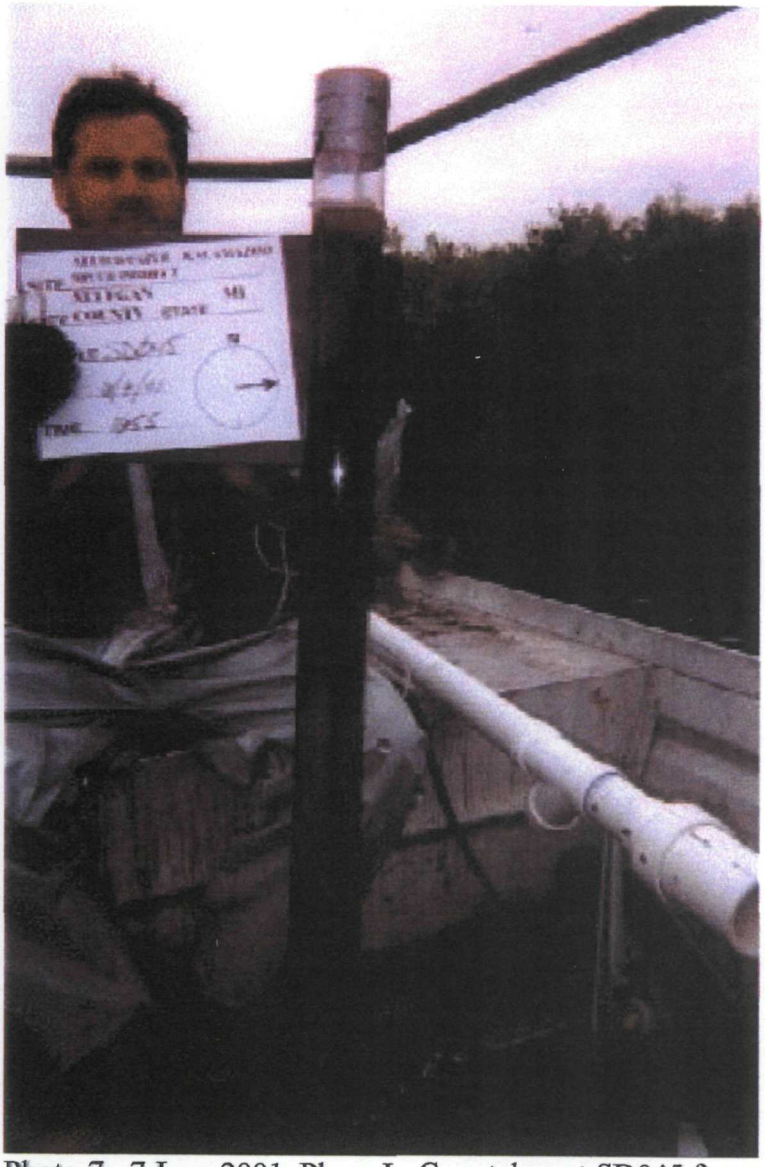

Photo 7: 7 June 2001, Phase I. Core taken at SD045 from electro-shocking boat. Core shows stratigraphy.

Photo 8: June 2001, Phase I. Sediment sampling using PVC device and slambar from pontoon boat.

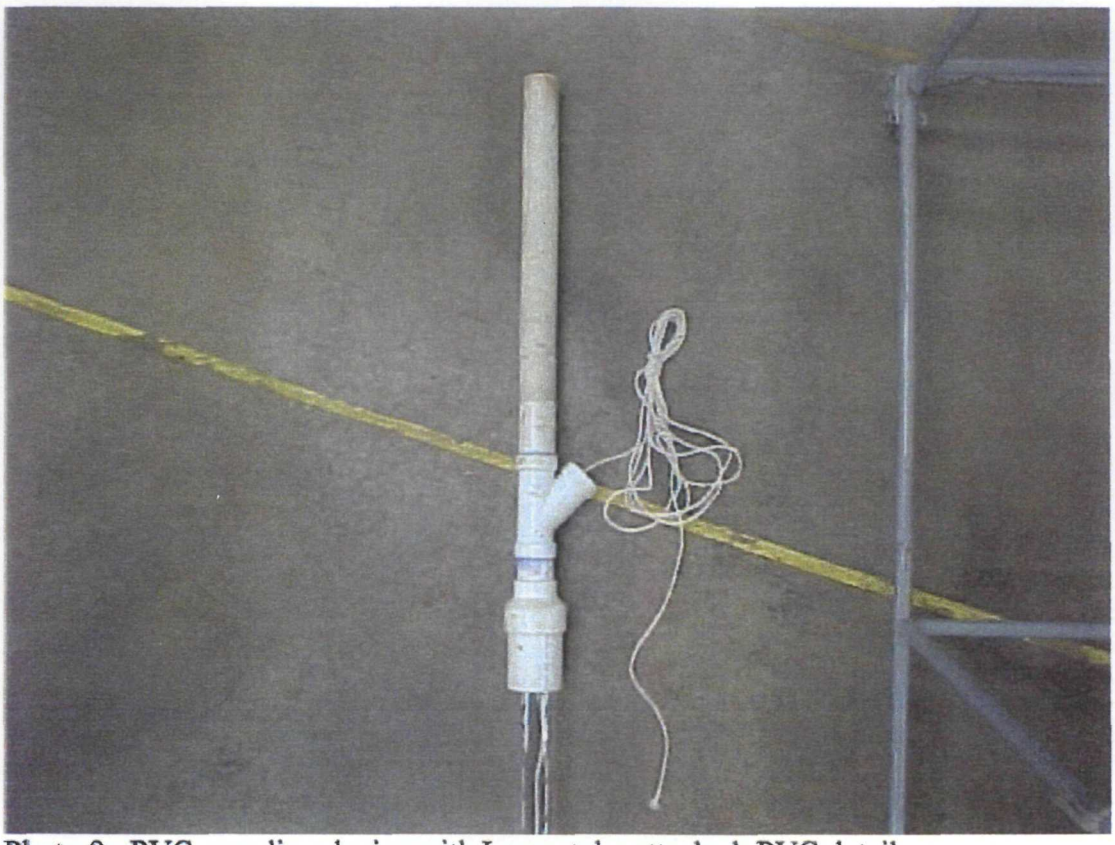

Photo 9: PVC sampling device with Lexan tube attached; PVC detail.

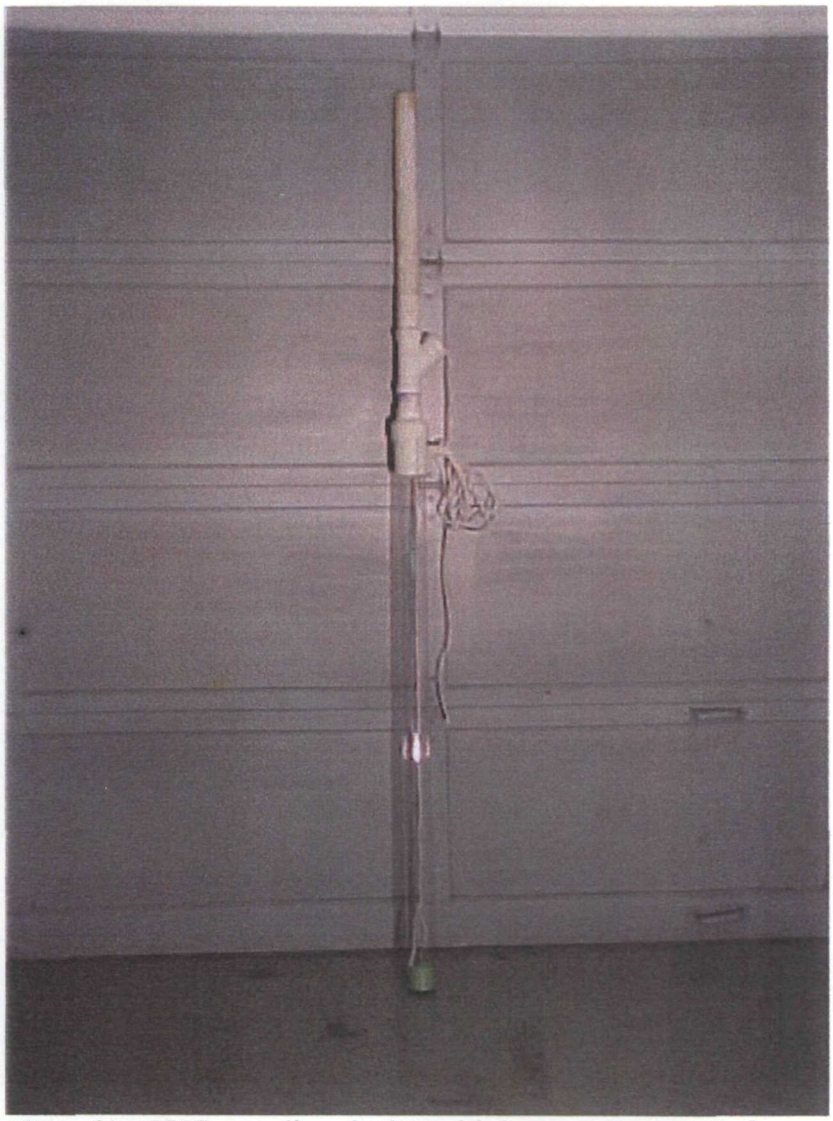

Photo 10: PVC sampling device with Lexan tube attached.

Photo 11: Stage II, inside supply truck at MCP.

Photo 12: Stage II, tent over sample processing area and supply truck at MCP.

Photo 13: Stage II, sample processing tent and supply truck at MCP.

Photo 14: 30 July 2001, Phase II. Stakes marking locations near center of cluster SL029.

Photo 15: 7 August 2001, Stage II. Stakes marking locations near center of cluster SL053.

Photo 16: 7 August 2001, Phase II. Decontamination of non-dedicated field instruments on location at cluster SL053.

Photo 17: 7 August, 2001, Phase II. Core pushed from 42-60 in bgs after using bucket auger for upper soils at cluster SL053 location 30.

Photo 18: 8 August 2001, Stage II. Bucket auger being used at cluster SL053.

Photo 19: 13 August, 2001, Phase II. Core pushed from 48-60 in bgs after using bucket auger for upper soils at cluster SL053 location 15.

Photo 20: 14 August 2001, Phase II. Terrestrial vegetation and river conditions at cluster SD030.

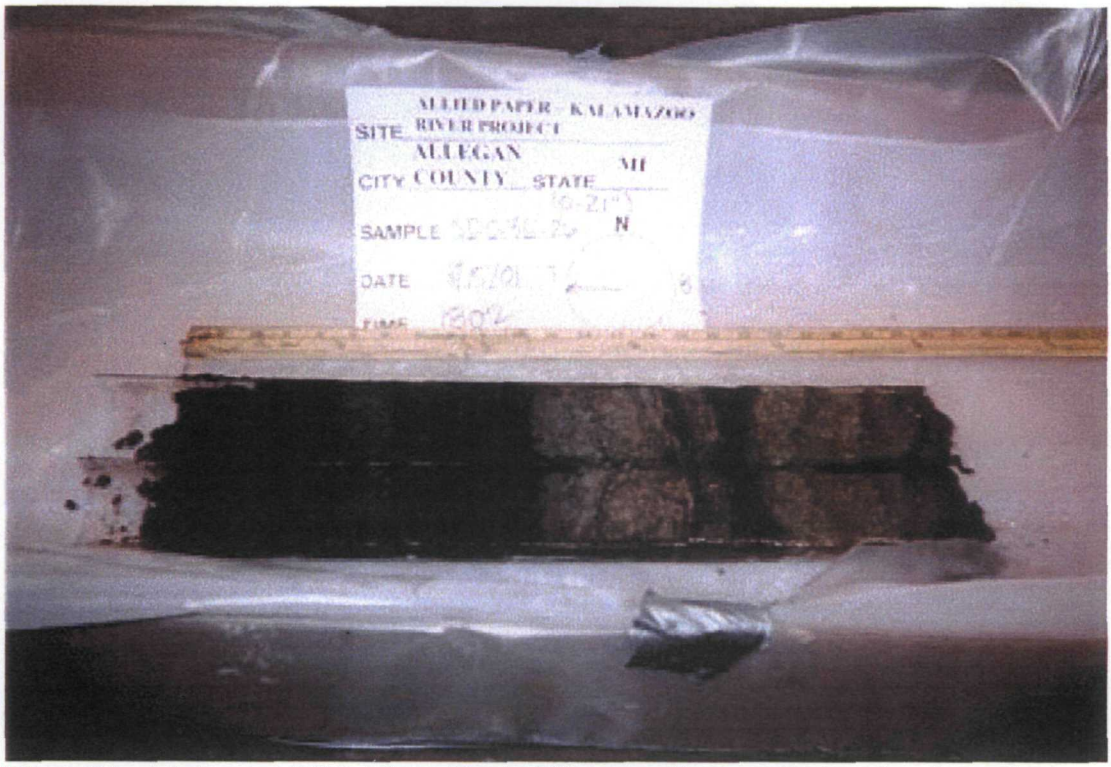

Photo 21: 15 August 2001, Phase II. A 21" core split open for logging from cluster SD036 location 26.

Photo 22: 20 August 2001, Phase II. Depth intervals 12-18in bgs (left) and 18-24in bgs (right) being logged in the field at cluster SL012 location 28, bucket auger method used.

Photo 23: 28 August 2001, Phase II. A 28" core split open for logging from cluster SD0004 location 34.

Photo 24: 30 August 2001, Phase II. Vegetation adjacent to sampling cluster SL029.

Photo 25: 30 August 2001, Phase II. Hazardous debris storage at the 12th St. Landfill, Otsego, MI. START drums laying on sides in foreground, PRP drums standing in background.

APPENDIX B

PHASE I

BORING LOGS

LOG OF BORING SD001

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/31/01	Borehole Diameter (in)	3
Drilling Method	Hand Push	Total Recovery (in.)	56
Drilled By	Joe Ruiz		
Logged By	Joe Klemp		
X, Y Coordinates	12772092.00000, 350927.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			Dark gray organic CLAY-trace-SILT, wet, organic odor, soft (7.5 YR 2/0).	1	6	
6			Shells noted from 5-12" bgs.	2	6	
12						
18				3	12	
24			Shells noted from 25-27" bgs.			
30		OL		4	12	
36			Clay is stiffest at depth, but still below 1.0 +sf.			
42				5	12	
48						
54			Core completed at 56 inches bgs	6	8	
60						
66						
72						

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LOG OF BORING SD002

WESTON — MANAGERS DESIGNERS·CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/31/01	Borehole Diameter (in)	:
Drilling Method	hand push	Total Recovery (in.)	: 36
Drilled By	Joe Ruiz		
Logged By	. Joe Klemp		
X, Y Coordinates	: 12772239.00000, 350927.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Dark gray organic CLAY, trace of silt, wet, slight odor, leaves noted (7.5YR 2/0).	1	6	
6		CL	Dark gray organic SANDY CLAY, wet, slight odor (7.5YR 2/0).	2	6	
12		CL	Dark gray organic CLAY, trace of silt, wet, slight odor, leaves noted (7.5YR 2/0)	3	12	
18						
24						
30				4	12	
36			Core completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD003

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/31/01	Borehole Diameter (in)	:
Drilling Method	: hand push	Total Recovery (in.)	: 28
Drilled By	: Joe Ruiz		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12772369.00000, 350936.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown coarse to fine SAND, wet, no odor, shells present.			
		CL	Dark gray organic CLAY, trace of silt, slight organic odor, moist, soft, leaves and roots noted (7.5YR 2/0).	1	6	
6				2	6	
12						
18				3	13	
24		SP	*Gray medium to fine SAND, trace of medium to fine gravel, moist, no odor, (7.5YR 3/0).*	4	3	
			Core completed at 28 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/30/01	Borehole Diameter (in)	.
Drilling Method	: hand push	Total Recovery (in.)	: 43
Drilled By	: Rick Mehl		
Logged By	. Joe Klemp		
X, Y Coordinates	12772977.00000, 349860.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GP	SAND and gravel, gray, shells present.	1	6	
6		CL	Dark gray CLAY, leaves and organics noted, wet, strong odor (7.5YR 2/0).	2	6	
12						
18			Wood layer Thin medium to fine sand layer.	3	12	
24			Dark gray fibrous material.			
30			Leaves and organic layer Dark organic fibrous material.	4	12	
36			Core completed at 39 inches bgs	5	3	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD005

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/30/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 43
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12772977.00000, 349912.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown SAND and gravel, wet, no odor.	1	6	
6		CL	Dark gray CLAY, trace of silt, wet, slight odor (7.5YR 2/0).	2	6	
12		SP	Gray medium to fine SAND, wet, no odor, shells present.	3	12	
18						
24				4	7	
30		CL	Gray CLAY, moist, no odor, organic material present. (stratified) (7.5YR 2/0).	5	12	
36						
42			Core completed at 43 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SD006

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/30/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	36
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12772977.00000, 349964.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown medium to fine SAND, wet, no odor.	1	6	
		CL	Dark brown organic CLAY, trace of silt			
6		SP	Brown medium to fine SAND, wet, no odor, shells present.	2	12	
12		CL	Gray medium to fine SANDwet, no odor, shells present (7.5YR 5/0).			
18		CL	Dark gray CLAY, trace of silt, wet, slight odor, 0.01" sand seams from 17-21" at approximately one inch intervals.	3	6	
24			Leaves noted from 28-31".	4	12	
30						
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD007

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/30/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 34
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12774158.00000, 350554.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray medium to fine SAND. trace of clay, wet, no odor, shells present	1	4	
6		CL	Dark gray SILTY CLAY, some medium to fine sand, high organic content, moist, slight odor, shells notes. thin 0.1" gray sand at 5.5" depth.	2	8	
12						
18			High organic fiber content from 18-20". roots, leaves.	3	12	
24						
30				4	10	
			Core completed at 34 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD008

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/30/01	Borehole Diameter (in)	
Drilling Method	: hand push	Total Recovery (in.)	: 32
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12774097.00000, 350615.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown coarse to fine SAND, trace of medium to fine gravel, wet, no odor, shells present.	1	6	
6				2	6	
12		CL	Dark gray CLAY, wet, no odor, organic material present.	3	12	
18						
24		SP	Dark gray medium to fine SAND, shells present, wet, no odor.			
		CL	Dark gray organic CLAY, wet, slight odor, trace gravel. 0.1" fibrous organic material present at 28.5" bgs. Core completed at 32 inches bgs	4	8	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD009

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/30/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 16
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12774071.00000, 350649.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Dark brown organic CLAYEY SILT, slight odor, wet, oily sheen present at 1-3".	1	6	
6		CL	Fibrous organic material present at 6" bgs. One inch gray medium to fine sand present at 7-8" bgs.	2	6	
12		SP	Large root present at 13" bgs. Gray medium to fine SAND, wet, no odor (7.5YR 4/0).	3	4	Stone with a diameter equal approximately to a fist present at 15.5 to 16" bgs.
18			Core completed at 16 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD010

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/30/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in.)	9
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	One inch medium to fine SAND over brown coarse to fine sand wet no odor, shells present	1	6	No samples sent for analysis per OSC Bonnes
6		CL	Dark gray SANDY CLAY wet no odor	2	3	
			Core completed at 9 inches bgs			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD011

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/31/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	12
Drilled By	Joe Ruiz		
Logged By	from logbooks		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0				1	6	Reconstructed from field team notes
6				2	6	
12			Core completed at 12 inches bgs			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD012

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/31/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	10
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		PT	Dark gray organic CLAY trace of medium to fine sand trace of medium to fine gravel moist slight organic odor (7 5YR 2/0)	1	6	No samples sent for analysis per OSC Borries
6			Core completed at 10 inches bgs	2	4	
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD016

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/08/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in.)	12
Drilled By	Rick Mehl		
Logged By	Jose Morena		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SC	Black organic SAND with traces of organic material and clay, wet, slight odor	1	6	
6		SP	Black SILTY SAND, poorly graded, wet no odor, traces of shells. Core completed at 12 inches bgs	2	6	
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD018

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/01/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 17
Drilled By	: Joe Ruiz		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12777178.00000, 348757.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Dark gray organic SILTY SAND, twigs noted, wet, slight organic odor.	1	6	
6		SP	Dark gray medium to fine SAND, wet, no odor, shells noted.			
		OL	Dark gray SILT, wet, twigs present, no odor.	2	6	
12		SP	Dark gray medium to fine SAND, twigs present, wet, no odor.	3	5	
		OH	Dark gray CLAY, trace of SILT.			
18			Core completed at 17 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD022

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/01/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 44
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12778988.65037, 346969.88962		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark gray SILTY SAND, organic material noted, layered, wet, light odor (7.5YR 2/0).	1	6	
6				2	6	
12		CL	Dark gray organic CLAY, moist, slight odor (7.5YR 2/0).	3	12	
		SL	Dark gray CLAYEY SAND, wet, light odor (7.5YR 2/0).			
18		CL	Dark gray CLAY, trace of silt, wet, strong odor, oil sheen (7.5YR 3/0).			
24				4	8	
30		SP	Dark gray medium to fine SAND, wet, light odor (7.5YR 2/0)			
36		SW	SAND and shells, wet, no odor.	5	12	
		SP	Dark gray med to fine SAND, wet, no odor (7.5YR 2/0).			
42		SW	Medium to fine SAND and shells, organics noted (twigs, leaves), light sheen. Core completed at 44 inches bgs			
48						
54						
60						
66						
72						

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LOG OF BORING SD023

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/01/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	20
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown medium to fine SAND wet no odor	1	6	Reported recovery 24 inches of sandy material. Measured core is 20 inches
6		SP	Gray coarse to fine SAND wet no odor, shells noted (coarsing downward sequence), trace of medium to fine gravel	2	6	
12				3	8	
18			Core completed at 20 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD024

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/01/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in)	8
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown medium to fine SAND shells noted, wet, no odor	1	4	
6		CL	Dark gray CLAY, trace of silt, wet, slight odor, trace of medium to fine gravel, organic material noted (7.5YR 2/0).	2	4	
			Core completed at 8 inches bgs.			
12						
18						
24						
30						
36						
42						
48						
54						
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66						
72						

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LOG OF BORING SD025

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/07/01	Borehole Diameter (in)	: 3
Drilling Method	: lexan tube, push bar	Total Recovery (in.)	: 41
Drilled By	: Joe Klemp		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12765811.78507, 353687.44565		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark gray, large SAND particles, shells, no odor, very moist-wet.	1	6	
6		SP	Dark gray, large SAND particles, shells, no odor, very moist-wet, pieces of wood.	2	6	
12		SP	Dark gray, large SAND particles, shells, no odor, very moist-wet, pieces of wood.	3	12	
24		SP	Dark gray, large SAND particles, shells, no odor, very moist-wet, pieces of wood.	4	14	
36		SW	Well graded brown SAND.			
		PT	Pieces of bark present.			
		CL	Inorganic CLAYand silt, strong fuel odor. Core completed at 41 inches bgs	5	3	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD026

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/07/01	Borehole Diameter (in)	: 3
Drilling Method	: lexan tube, push bar	Total Recovery (in.)	: 30
Drilled By	: Joe Klemp		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12765841.65828, 353851.74831		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Medium-sized SAND paricles, light brown, earthy odor, no roots.	1	3	
6		ML	SILTY, sheen. strong fuel odor, black, no roots.	2	6	
12		SW	Black SAND, well graded, slight fuel smell, no roots.	3	3	
18		SW	Light gray SAND, well graded, slight fuel odor, no roots.	4	12	
24		SM	Dark gray SAND, poorly graded, fuel odor, no roots, some organic material.	5	6	
30			Core completed at 30 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD027

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/07/01	Borehole Diameter (in.)	3
Drilling Method	lexan tube, push bar	Total Recovery (in.)	34
Drilled By	Joe Klemp		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			SILT, black sheen, fuel odor			
				1	6	
6						
				2	6	
12						
		ML		3	12	
18						
24						
				4	10	
30			Core completed at 34 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD028

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/5/01	Borehole Diameter (in)	3
Drilling Method	Hexan tube slam bar	Total Recovery (in)	18
Drilled By	Joe Ruiz		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GP	SANDY with gravel and coarse gravel organic odor	1	5	
6		PT	Organic PEAT with some silt, sands, and clay, organic odor	2	7	
12		OL	Organic SILT, organic odor some roots Core completed at 18 inches bgs	3	6	
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD029

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/05/01	Borehole Diameter (in)	3
Drilling Method	Hand Push	Total Recovery (in.)	21
Drilled By	Joe Ruiz		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CH	Inorganic gray CLAY strong volatile organic odor, plasticity high, small particles	1	6	29" initially recovered Bottom 8" were lost A 5" gap was left between the top 17.5" of recovery and the bottom 3.5" of recovery
6		CH	Same as above	2	6	
12		CH	Same as above, visible paper waste	3	9	
18			Core completed at 21 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/05/01	Borehole Diameter (in)	3
Drilling Method	lexan tube slam bar	Total Recovery (in.)	30
Drilled By	Joe Ruiz		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Dark brown SAND small particles no roots slight volatile organic odor, moist	1	6	
6		SW	Similar to above interval with large particles moist	2	4.5	
		SW	SANDY SILT mixture, volatile organic odor, moist			
12		CL	SILTY CLAY, strong volatile organic odor, moist, paper slush present	3	7.5	
18		GP	GRAVEL with sand, moist, no roots volatile organic odor	4	12	
24						
30			Core completed at 30 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD031

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell Michigan

Date Drilled	06/07/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	32
Drilled By	Joe Kiemp		
Logged By	Jose Morena		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	Black organic SILTY CLAY, wet, strong odor, roots present.	1	6	
6				2	6	
12		PT	Black PEAT, high root content	3	12	
18						
24				4	8	
30		GM	Tan gravely SILT with sand wet, slight odor			
			Core completed at 32 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD032

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/07/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	39
Drilled By	Rick Mehl		
Logged By	Jose Morena		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Coarse SAND with silt wet strong odor 5YR 3/4)			
		ML	Black CLAYEY SILT with sand organic material present. slight odor (5YR 2 5/1)	1	6	
6		ML	Black CLAYEY SILT with sand organic material present. slight odor.	2	6	
12		SM	Tan SILTY CLAY with traces of sand, traces of organic material, wet, slight odor wood present (10YR 5/2)	3	12	
18						
24						
30		SL	Tan CLAYEY SAND with traces of organic material wet. slight odor (5YR 5/4)	4	12	
36		OL	Black organic SILTt. wet odor (7 5YR 2/0)	5	3	
			Core completed at 39 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD033

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/07/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	27
Drilled by	Rick Men		
Logged By	Jose Morena		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Tan coarse SAND with fine gravel traces of shells moist (7 5YR 6/4).	1	6	
6				2	6	
12		SM	Tanish grey SANDY SILT, traces of roots (7.5YR 6/2).			
18		SW	Tan coarse SAND with traces of coarse and fine gravel, moist (7 5YR 6/6)	3	12	
24		SW	Tan coarse SAND with traces of coarse gravel moist (7 5YR 6/6)	4	3	
			Core completed at 27 inches bgs			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD034

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/07/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in.)	40
Drilled By	Rick Mehl		
Logged By	Jose Morena		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	Black organic soil. SILTY moist. odor (7.5YR 2/0)			
		SP	Dk brown coarse SAND and fine gravel trace of roots and shells (7.5YR 3/2)	1	6	
6		OL	At 6" bgs, black organic soil SILTY clayey moist, slight odor present (7.5YR 2/0)			
		SP	At 6.25" bgs, light brown SAND with fine gravel, trace of shells and roots moist slight odor present (7.5YR 3/4)	2	6	
12		SP	Dark tan coarse SAND with fine gravel, trace of shells and roots moist slight odor (7.5YR 3/2)	3	12	
24		SP	Dark brown coarse SAND with fine gravel, moist, slight odor, trace of roots and shells	4	12	
36			Core completed at 40 inches bgs	5	4	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD035

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/06/01	Borehole Diameter (in)	: 3
Drilling Method	: lexan tube, slam bar	Total Recovery (in.)	: 36
Drilled By	: Greg Gehng		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12767288.81835, 352500 05216		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		MH	SILTY, light gray brown, fine dark roots, wood pieces, moist, not dense.	1	6	
6		MH	SILTY CLAY, some small dark roots, wood pieces, slight fuel odor, somewhat elastic	2	6	
12		ML	Inorganic SILT, strong fuel odor, black, elastic.	3	9	
18						
24			SANDY, small particles, traces of organic material.	4	15	
30						
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/07/01	Borehole Diameter (in)	: 3
Drilling Method	: lexan tube, push bar	Total Recovery (in.)	: 27
Drilled By	: Joe Klemp		
Logged By	: Heidi Nemeth		
X, Y Coordinates	12767316.82353, 352598 48739		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		PT	Dark brown PEAT, strong "rotten egg" odor, majority is roots.	1	6	
6				2	6	
12		PT	Dark brown peat, earthy odor, roots.	3	7	
18						
24		SW	Dark gray sand with traces of organic material, earthy odor, roots, well graded Core completed at 27 inches bgs.	4	8	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD037

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/07/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 26
Drilled By	: Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown coarse to fine SAND, wet, no odor.			
		CL	Dark gray CLAY, trace of silt, wet, slight organic odor (7.5YR 2/0). Twigs noted at 3-4" bgs.	1	6	
6				2	6	
12				3	11	
18			Twigs noted at 21-22" bgs.			
24		SP	Gray medium to fine SAND, wet, no odor (7.5YR 4/0).	4	3	
			Core completed at 26 inches bgs			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD038

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled: 06/01/01
Drilling Method: lexan tube
Drilled By: Joe Ruiz
Logged By: Heidi Nemeth
X, Y Coordinates:

Borehole Diameter (in)
Total Recovery (in.): 29

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GM	SANDY with bits of small gravel, no odor, moist, no roots.	1	6	
6		SM	SILTY SAND, no odor, moist	2	5	
12		ML	SILTY SAND, no odor, moist.	3	6	
18		SM	SANDY SILT, moist, shells, small rocks, no odor.	4	7	
24		ML	SANDY SILT, with a small amount of clay, moist, no odor, pieces of wood. Core completed at 29 inches bgs	5	5	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD039

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/05/01	Borehole Diameter (in)	: 3
Drilling Method	: lexan tube, slam bar	Total Recovery (in.)	: 60
Drilled By	Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12770682.92722, 352553.67910		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GW	SAND and gravel, no roots, no odor, large particles.	1	6	
6				2	6	
12						
18				3	12	
24		SW	Sand and gravel (some fine), no roots, no odor, large particles.	4	12	
30			At 34" bgs, gravel and shells present.			
		GP				
36		SW	Sand and gravel (neither fine), no roots, no odor, large particles.	5	12	
42						
48		SW	As abpve, with shells.	6	12	
54						
60			Core completed at 60 inches bgs			
66						
72						

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LOG OF BORING SD040

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/05/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 20
Drilled By	: Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12770669.69924, 352992.46667		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Gray CLAY, wet, no odor (7.5YR 4/0). At 3.5" bgs, gray SANDY CLAY, wet, no odor present.	1	6	Dioxin sample taken. TOC duplicates taken
		CL				
6		CL	Dark gray organic SANDY CLAY, moist, no odor, twigs present, shells noted.			
		CL	Dark brown SANDY CLAY, moist, no odor, twigs present, shells noted. At 13' bgs, dark brown SILTY CLAY, no odor present.	2	6	
12		CL				
		CL	At 14' bgs, gray SANDY CLAY, light brown mottling, moist, no odor present.	3	8	
18		SC	At 16" bgs, gray CLAYEY SAND, moist, no odor present. Core completed at 20 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD041

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/05/01	Borehole Diameter (in)	: 2
Drilling Method	: lexan tube, slam bar	Total Recovery (in.)	: 21
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12770674.70442, 353179.80346		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GP	GRAVEL with sand particles, organic odor, no roots.	1	6	Lexan tube shaving in sample.
6		GP	GRAVEL with sand particles, organic odor, no roots.	2	5	
12		PT	PEAT and clay, no roots, organic odor.	3	10	
18			Core completed at 21 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD042

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/05/01	Borehole Diameter (in)	2
Drilling Method	lexan tube slam bar	Total Recovery (in)	42
Drilled By	Rick Menl		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	SILTY CLAY, *organic odor, many roots*			
		SP	SANDY with some gravel, organic odor	1	6	
6		SP	SANDY, organic odor, no roots	2	6	
12		SP	SANDY, no odor some gravel and large sand particles	3	12	
24		SP	SANDY, slight volatile odor			
30		SP	SILTY CLAY, slight volatile odor	4	12	
		SP	CLAY slight volatile odor			
36		SP	SANDY, no odor Core completed at 42 inches bgs	5	6	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD043

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/07/01	Borehole Diameter (in)	: 3
Drilling Method	: lexan tube, push bar	Total Recovery (in.)	: 41
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12767373.93623, 352778.13765		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Light brown SAND, well graded, wet, earthy odor, no roots.	1	6	
6		SW	Light gray SAND, well graded, wet, earthy odor, no roots.	2	6	
12		CL	SILTY, dark gray, strong fuel odor, sheen, no roots, moist.	3	12	
24				4	12	
36			Core completed at 41 inches bgs	5	5	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD044

WESTON MANAGERS DESIGNERS·CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/06/01	Borehole Diameter (in)	: 2
Drilling Method	: lexan tube, slam bar	Total Recovery (in.)	: 36
Drilled By	: Greg Gehng		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12767415.88441, 352909.22574		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown SAND, very moist, earthy odor, few roots, pieces of wood.	1	6	
6				2	6	
12						
18		SP	Finer SANDS, slightly gray.	3	12	
24		SM	Gray SANDS with some fines, earthy odor, pieces of wood.	4	12	
30						
36			Core completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled : 06/07/01
Drilling Method : lexan tube, push bar
Drilled By : Joe Klemp
Logged By : Heidi Nemeth
X, Y Coordinates 12768988.94144, 352353.41226

Borehole Diameter (in) : 3
Total Recovery (in.) : 44

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Large particle, poorly graded SAND, earthy odor, no roots, wet.	1	6	
6		SM	SILTY SAND, black, fuel odor, roots, moist.	2	6	
12		SM	Gray SILTY SAND, slight fuel odor, roots, moist.	3	12	
24		SM	Gray, brown, green SILTY SAND	4	12	
36		SM	Gray SILTY SAND, somewhat elastic.	5	8	
42			Core completed at 44 inches bgs			
48						
54						
60						
66						
72						

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LOG OF BORING SD046

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/07/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 39
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12768983.69791, 351886.73867		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Gray SANDY CLAY, roots noted (7.5YR 4/0).	1	6	
6				2	6	
12						
18		CL	Dark gray SANDY CLAY, organic material noted, light oily sheen at 16-18" bgs, wet, light organic odor.	3	12	
24				4	8	
30			Shells noted at 29" bgs.			
36		PT	Dark brown organic PEAT, moist, no odor twigs and roots present. Core completed at 39 inches bgs.	5	7	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD047

U.S Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/7/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	29
Drilled By	Rick Meni		
Logged By	Jose Moreno		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	Black CLAYEY SILT with organics, strong odor, low plasticity, wet (10 YR 2/2)	1	6	
6		PT	Black organic soil, strong odor, low plasticity, moist (5 YR 2.5/1)	2	6	
12		PT	Dark brown organic soil with high root concentration strong odor moist (5YR 3/3)	3	12	
18						
24			Core completed at 29 inches bgs	4	5	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD048

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/5/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	39
Drilled by	Rick Menl		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GP	Large particles of GRAVEL in sand many roots odor volatilizing	1	6	
		GP	SAND and gravel, roots volatile odor			
6		SP	SAND with gravel and fines very volatile large roots	2	6	
12		GP	SAND with gravel, no fines, very volatile, large roots	3	9	
18						
		CL	SILTY CLAY, very volatile, no roots	4	3	
24		PT	Silty, with fines, roots small particles, heavy clays, PEAT	5	10	
30						
36				6	5	
		PT	PEAT with clay and silt			
			Core completed at 39 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD049

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 6/5/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 42
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12770666.51045, 352869.90525		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Organic silt, thick, vigorous roots, shells, wood, organic odor.	1	6	
		GM	GRAVEL, wood, organic odor			
6		SP	SAND, organic odor, no roots, shells.	2	6	
12		SP	SAND, strong odor.	3	6	
18		CL	SILTY CLAY, strong volatile odor, distinct layer.	4	4	
24		SP	SAND with slight volatile odor from previous layer, some fine particles.	5	10	
30						
36		PT	Organic PEAT.	6	10	
42			Core completed at 42 inches bgs			
48						
54						
60						
66						
72						

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LOG OF BORING SD050

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled : 6/5/01
Drilling Method : hand push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in)
Total Recovery (in.) : 31

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	SANDY with some fine particles, organic odor, no roots.	1	5	
6		OL	Many roots, organic odor. SILTY CLAY, hard clay.	2	7	
12				3	12	
18		OL	Black organic layer. Soft, SILTY, roots, organic odor.			
24		OL	SILTY, organic, organic odor.	4	7	
30			Core completed at 31 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD051

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 6/7/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 33
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light gray SILT, slight peanut butter odor.	1	6	Recovered 28" of sample with a gap of 5" between 20-25" bgs.
6				2	6	
12		SM	SILTY SAND, strong fuel odor, light gray.	3	8	
18						
24			No recovery. Gap in core between 20-25" bgs.	4		
30		CH	Elastic SILT, strong fuel odor, visible sheen, black. Core completed at 33 inches bgs.		13	
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD052

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled : 6/7/01
Drilling Method : hand push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in) : 3
Total Recovery (in.) : 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			SILTY CLAY, many roots, earthy odor moist.			
				1	6	
6		OL				
				2	6	
12			PEAT with red tint, many roots.			
				3	12	
18						
24		PT				
				4	12	
30						
			Core completed at 36 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD053

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 6/7/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 33
Drilled By	: Joe Ruiz		
Logged By	Heidi Nemeth		
X, Y Coordinates	. 12769536.74833, 352354.71394		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	*Light brown, poorly graded SAND, many roots, moist, earthy odor*	1	6	
6				2	6	
12						
18				3	12	
24		SP	Gray SAND, poorly graded, earthy odor, moist, no roots.	4	9	
30			Core completed at 33 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD054

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 6/7/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	47
Drilled By	: Joe Ruiz		
Logged By	: Neidi Nemeth		
X, Y Coordinates	: 12770288.69842, 352304.69626		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	SILTY CLAY, brown, earthy odor roots, moist and wet	1	5	
6		SP	Large SAND particles, wood pieces, shells, moist and wet, fish odor, poorly graded.	2	14	
12						
18		OL	SILTY CLAY, dark gray, strong fuel odor, no roots, somewhat moist.	3	5	
24		CL	Inorganic SILTY CLAY, reeks of fuel, no roots, somewhat moist, black.	4	12	
30						
36		OL	Inorganic SILTY CLAY, slight fuel odor, dry, no roots, dark brown.	5	11	
42			Core completed at 47 inches bgs			
48						
54						
60						
66						
72						

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LOG OF BORING SD055

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled : 6/7/01
Drilling Method : hand push
Drilled By : Rick Mehl
Logged By : Jose Moreno
X, Y Coordinates

Borehole Diameter (in) : 3
Total Recovery (in.) : 35

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	Black SILTY orgnanic soil with fine gravel, strong odor, moist (7.5 YR 2/0)	1	3	
6		CL	Dark brown SANDY soil with fine gravel, moist, strong odor, some roots present (10 YR 2/1)	2	6.5	
12		CL	Black SILTY CLAY with some organic material present, moist, plastic (7.5 YR 2/1).	3	13.5	
24		CL	Black SILTY CLAY with some organic material present, very moist, plastic, strong odor (7 5 YR 2/0).	4	11	
30			Core completed at 35 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD060

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/7/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in.)	38
Drilled By	Joe Klemp		
Logged By	Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	Dark brown, roots, organic odor, SILTY CLAY.	1	6	
6		OL	As above, organic debris, wet	2	6	
12		OL		3	13	
18						
24		PT	Black PEAT layer approx 23-25 inches bgs.			
30		OL	Gray brown, SILTY CLAY, moist, plastic, sligh earthy odor.	4	13	
36		SW	SANDY, well, graded, no odor, moist.			
			Core completed at 38 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL001

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 06/01/01	Borehole Diameter (in)	: 2
Drilling Method	: Hand Push	Total Recovery (in.)	: 21
Drilled By	Rick Mehl		
Logged By	. Joe Klemp		
X, Y Coordinates	. 12778321.30001, 347514.90000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray trace medium to fine sand, dry, no odor, roots noted.	1	6	
6		CL	SILTY CLAY, light gray, as above. roots noted @ 10.5 inches.	2	6	
12		CL	SILTY CLAY, gray. little medium to fine sand, dry, no odor, roots noted.	3	9	
18			Core completed at 21 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL002

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/31/01	Borehole Diameter (in)	: 2
Drilling Method	: Hand Push	Total Recovery (in)	: 17
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12778321.30001, 347890.80000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, brown, trace coarse to fine sand, moist, no odor,(7.5 YR 5/2) organics present	1	6	
		CL	SILTY CLAY,light brown, trace course to fine sand, moist, no odor, organic roots and leaves present.			
6		CL	SILTY CLAY, light gray, trace medium to coarse sand, moist, no odor (7/5 YR 5/0).	2	6	
		CL	SILTY CLAY, dark gray, trace coarse to fine sand, moist, no odor (7.5 YR 4/0).			
12				3	5	
		SP	Gray coarse to fine sand, wet, no odor Core completed at 17 inches bgs.			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL003

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/31/01	Borehole Diameter (in)	: 2
Drilling Method	: Hand Push	Total Recovery (in.)	: 36
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	12777945.40001, 348266.70000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	CLAY, gray, trace SILT, wet, no odor, roots present, grass at surface (7.5 YR 4/0).	1	6	
6				2	6	
12		SP	SAND, gray, medium to fine, wet, no odor, coarsening upward (7.5 YR 4/0)	3	12	
18		CL	CLAY, gray, trace SILT, wet, no odor, high plasticity, organics at bottom of core, trace.			
24		CL	CLAY,gray, sandy, wet, no odor.			
30		SP	SAND, gray, medium to fine, trace CLAY, organic material noted, thin branches and roots, wet, no odor	4	12	
		CL	SILTY CLAY, gray, little SAND, moist, no odor			
36		SP	SAND, gray, medium to fine, wet, no odor, roots present. Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL004

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/31/01	Borehole Diameter (in)	
Drilling Method	: bucket auger	Total Recovery (in.)	: 24
Drilled By	: Rick Mehl		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12777189.08169, 349016.29671		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SANDY CLAY, large rocks, large particles, light brown with flecks of red sand.	1	6	No water. High off of river bed next to pasture
6		CL	SANDY CLAY, numerous rocks, large and small, distinct red tint to color.	2	6	
12		CL	Gravel and SANDY CLAY, mostly rocks, large and small, red tint. More clay than previous layer	3	12	
18						
24			Core completed at 24 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL005

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/24/01	Borehole Diameter (in)	
Drilling Method	: hand push	Total Recovery (in.)	. 29
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12776453 90245, 349518.45105		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, light gray, trace medium to fine sand, roots present, moist, no odor.	1	6	
6		CL	As above.	2	6	TOC sample @6-12" bgs.
12		CL	0.5 inches of darker gray CLAY @15.5-16".	3	12	Extra PCB only sample @17-19" bgs.
		CL	SILTY CLAY, brown, wet, no odor.			
18		CL	SILTY CLAY, black, organic, shells noted.			
24		CL	0.5 inches of brown SILTY CLAY, trace sand @ 27". Core completed at 29 inches bgs.	4	5	TOC sample @24-29" bgs. Dioxin on full interval
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL006

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/24/01 (6/1/01 auger)	Borehole Diameter (in)	.
Drilling Method	: hand push/hand auger follow up	Total Recovery (in.)	: 24
Drilled By	: Greg Gehng		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12773053.75367, 349801.55199		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			SILT, gray, trace clay	1	6	0-24" recovered from initial hand push on 5/24/01
6				2	6	
12		ML				
18				3	12	
			2" SILTY CLAY. 1" SAND layer.			Water encountered at 22" bgs during hand auger on 6/1/01.
24			Hand push core completed at 24 inches bgs.			
			SAND, fine, gravel trace of silt, brown, minor trace of clay			24-36" bgs sampled by hand auger in original hole on 6/1/01.
30		SM		4	12	
36			Hand auger completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL007

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/25/01	Borehole Diameter (in	
Drilling Method		Total Recovery (in)	20
Drilled By			
Logged By	from logbooks		
X Y Coordinates	12773412 26841, 349836 43278		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0				1	6	Reconstructed from field team logbooks
6				2	6	
12				3	8	
18			Core completed at 20 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL008

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/24/01	Borehole Diameter (in)	
Drilling Method	: Hand Push	Total Recovery (in.)	. 23
Drilled By	: Greg Gehrig		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12773810.67428, 349961.21636		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	*SILTY CLAY, gray trace medium to fine sand, moist, no odor.*	1	6	
6		CL	As above.	2	6	Core split into A and B cores A (0-10") recovered. B (10-23") recovered.
12		CL	As above, color has more brownish tint to gray.	3	11	
18			Core completed at 23 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL009

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/24/01	Borehole Diameter (in)	
Drilling Method	Hand Push	Total Recovery (in.)	32
Drilled By	Joe Ruiz		
Logged By	Joe Klemp		
X, Y Coordinates	12774160.33647, 349984.31585		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, light gray, trace medium to fine SAND, dry, no odor (7.5 YR 4/0).	1	6	Core split into A and B cores. A (0-18") pushed, (0-12") recovered. B (14-32") pushed and recovered.
6		CL	SILTY CLAY, gray, trace medium to fine sand, light brown mottling, dry, no odor.	2	6	
12			No recovery 12-14".			
18		CL	As above (6-12").	3	10	
24		CL		4	12	
30			Core completed at 32 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL011

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/24/01	Borehole Diameter (in)	
Drilling Method	Hand Push	Total Recovery (in.)	37
Drilled By	Joe Ruiz		
Logged By	Joe Klemp		
X, Y Coordinates	12776069.34632, 349870.99704		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, brown, organic, trace medium to fine SAND, wet, no odor	1	6	Extra grab PCB sample taken from 12-18".
6		SP	SAND, brown, coarse to fine, wet, no odor. As above.	2	6	
12		CL	SILTY CLAY, gray, trace medium to fine sand, moist, no odor.	3	12	
18		SP	SAND, brown, coarse to fine, wet no odor.			
24						
30		OL	CLAY, dark brown, organic, wet, no odor.	4	13	
36			Core completed at 37 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL012

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/31/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	21
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12776837.88647, 349768.74755		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	CLAY, brown, organic, roots and leaves present, wet, no odor (7.5 YR 5/2).	1	6	
6		SP	SAND, brown, coarse to fine, wet, no odor (7.5 YR 6/4).	2	10	
12		SP	SAND, gray coarse to fine, wet, no odor (7.5 YR 4/0).			
18		CL	CLAY, dark gray, trace SILT, wet, no odor (7.5 YR 2/0). Core completed at 21 inches bgs	3	5	
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL013

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/23/01	Borehole Diameter (in)	
Drilling Method	: bucket auger	Total Recovery (in.)	: 18
Drilled By	: Greg Gehrig		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12772307.55044, 350143.67328		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	SAND and gravel.	1	6	Lithology reconstructed from field notes
6		SP	SAND and gravel.	2	6	
12		SP	SAND and gravel.	3	6	Water encountered at 12" bgs.
18			Core completed at 18 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL014

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/22/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	36
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12772565.26522, 350327.29695		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray, trace coarse to fine sand, wet roots and organics noted, light brown mottling.	1	6	
6		SP	SAND, gray, medium to fine.	2	6	
12				3	12	
18		ML	SILT, dark gray, organic, wet slight organic odor, high plasticity			
24		ML	As above.	4	12	
30						
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL015

WESTON MANAGERS DESIGNERS·CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/22/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	36
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12773058.70000, 350146.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray trace coarse to fine sand, dry,no odor, roots noted, low plasticity	1	6	
6		CL	As above.	2	6	
12		CL	SILTY CLAY, gray. little coarse to fine sand, moist, no odor, low plasticity (7.5 YR 4/0).	3	12	
24		CL	SILTY CLAY, gray trace medium to fine sand, dry, no odor, low plasticity (7.5 YR 4/0). Core completed at 36 inches bgs.	4	12	
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL016

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/23/01(push) 5/30/01 (auger)	Borehole Diameter (in)	
Drilling Method	hand push and bucket auger	Total Recovery (in.)	16 (push), 60 (auger)
Drilled By	Joe Klemp		
Logged By	Joe Klemp		
X, Y Coordinates	12773434.60000, 350146.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray, trace medium to fine sand, roots noted, dry, no odor	1	6	Hand push done on 5/23/01 (0-16" recovered). Bucket auger used in same hole on 5/30/01(11-60" recovered)
6		CL	As above, slight brown mottling around roots.	2	6	
12		CL	As above, paper waste noted from 11 inches bgs Push core completed at 16 inches bgs	3	4	
18			As above	4	8	
24						
30				5	12	
36			Light brown SAND mottled, black streaks.			
42				6		
48			Paper waste ends			
54				7	12	
60			Bucket auger completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL017

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/24/01	Borehole Diameter (in)	
Drilling Method	: hand push	Total Recovery (in.)	: Core A (0-7"), B (18-36")
Drilled By	: Greg Gehrig		
Logged By	Joe Klemp		
X, Y Coordinates	12774185.36864, 350139.89993		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray, trace medium to fine sand, dry, no odor (7.5 YR 4/0).	1	6	Two cores recovered from this same hole. Core A (0-18") pushed, (0-7") recovered. Core B (18-36") pushed, (18-34") recovered.
6			No recovery.			
12						
18		CL	As above (0-6"), trace sand.	2	6	
24				3	10	
30			Core completed at 36 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL018

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/24/01 (push) 06/01/01 (auger)
Borehole Diameter (in)	
Drilling Method	: hand push/bucket auger
Total Recovery (in.)	: 36 (2 push cores + auger)
Drilled By	: Greg Gehng
Logged By	: Joe Klemp/ Heidi Nemeth
X, Y Coordinates	: 12774572.84110, 350248.51071

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray, trace medium to fine sand, dry, no odor (7.5 YR 4/0).	1	6	Two push cores and a bucket auger core recovered from this same hole. Core A (0-18") pushed. Core B (18-36") pushed. Total combined push core recovery (0- 24"). Additional bucket auger recovery (24-36")
6		CL	As above.	2	6	
12		CL	As above.	3	12	
18			Push cores completed at 24 inches bgs.			
24		CL	Gray sludge, no odor.			(Auger) Encountered water at 24".
30		CL	Gray sludge mixed with coarse, red sand and gravel, silt and clay, no odor.	4	12	
36			Bucket auger completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL019

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled : 05/24/01
Drilling Method : hand push
Drilled By : Greg Gehrig
Logged By : Joe Klemp
X, Y Coordinates : 12774936.60164, 350159.43580

Borehole Diameter (in) :
Total Recovery (in.) : 11

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	SILTY SAND, brown, roots noted, no odor, dry (7.5 YR 3/2)	1	6	Core pushed to 14", only 11" recovered.
6		SM	SILTY SAND, brown, trace medium to fine gravel, dry, no odor (7.5 YR 5/8). Core completed at 11 inches bgs	2	5	
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL020

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/24/01	Borehole Diameter (in)	
Drilling Method	hand push (2 cores)	Total Recovery (in.)	48 (combined)
Drilled By	Greg Gehng		
Logged By	Joe Klemp		
X, Y Coordinates	12775690.00001, 350146.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray trace medium to fine sand, dry, no odor, roots noted (7.5 YR 4/0).	1	6	Two push cores recovered from the same hole. Core A (0-21"). Core B (21-48").
6		SP	SAND, brown, trace medium to fine GRAVEL from 6-9" bps, roots noted, no odor, wet (7.5 YR 5/6).	2	6	
12		SP	SAND, dark gray, medium to fine, shells present, wet, no odor (7.5 YR 3/0).	3	12	
18		SP	SAND, brown, trace medium to fine GRAVEL, wet, no odor.			
24		SP	Roots present 18-20" bgs (7.5 YR 5/6).	4	12	
30						
36		SP	SAND, gray, medium to fine, shells present, trace organic material, wet, no odor (7.5 YR 3/0)			
42				5	12	
48			Core completed at 48 inches bgs			
54						
60						
66						
72						

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LOG OF BORING SL021

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/24/01	Borehole Diameter (in) :	
Drilling Method	. hand push	Total Recovery (in.)	: 40
Drilled By	Rick Mehl		
Logged By	. Joe Klemp		
X, Y Coordinates	12776065.90001, 350146.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray, trace medium to fine sand, present, moist, no odor (7.5 YR 6/0).	1	6	
6						
		SP	SAND, brown, coarse to fine, wet no odor.	2	6	
12						
18				3	12	
24		SP	SAND, gray, roots noted, wet, no odor (7/5 YR 3/0).			
		CL	SILTY CLAY, black, organic, wet, no odor (7.5 YR 2/0).			
30		SM	SILTY SAND, dark gray, wet, no odor, shells noted (7.5 YR 2/0). (0.5" clay layers at 36" and 38" bgs, organic material noted, leaves)	4	12	
36		CL				
		SM		5	4	
		CL				
		SM	Core completed at 40 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL022

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/31/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	: 30
Drilled By	Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	. 12776455.65717, 350144.45640		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SANDY CLAY, gray, organic material present.	1	6	
6		CL	SANDY CLAY, brown to gray, organic with black mottling.	2	6	
		CL	0.1" shell layer @ 11" bgs.			
12		CL	SANDY CLAY, dark gray, organic. 0.01" thin line of brown organics @ 13" bgs. 0.1" thin, dark gray line @14.5" bgs.	3	12	
18		SP	SAND, light brown to brow, medium to fine, with black mottling. Gray from 21-23".			
24		SW	SAND and GRAVEL, gray, wet, no odor (7.5 YR 6/0).	4	6	
30			Core completed at 30 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL023

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/31/01	Borehole Diameter (in)	: 2
Drilling Method	: hand push	Total Recovery (in.)	: 18
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12776746.51948, 350127.96657		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray trace medium to fine sand, dry, no odor, roots noted, brown mottling (7.5 YR 4/0).	1	6	
6		CL		2	6	
12		SW	SAND, medium to fine, brown (11.5-13")			
		CL	SANDY CLAY, dark gray, dry, no odor (7.5 YR 2/0).	3	6	
18		SP	SAND, medium to fine, brown to gray, dry, no odor. Core completed at 18 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL024

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/22/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	18
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12772679.75990, 350522.00771		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	SILT, gray, trace CLAY, roots noted, dry, no odor (7.5 YR 4/0).	1	6	
6		SM	Thin layer of SAND, medium to fine, brown.			
		ML	SILT, gray, trace CLAY, trace coarse to fine SAND, brown mottling noted, dry, no odor (7.5 YR 4/0).	2	6	
12		CL	SILTY CLAY, gray, trace medium to fine SAND, dry, no odor (7.5 YR 4/0).	3	12	
18						
24		CL	As above (7.5 YR 4/2)	4	12	
30						
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL025

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/22/01 and 05/30/01	Borehole Diameter (in)	
Drilling Method	hand push/bucket auger	Total Recovery (in.)	48
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X Y Coordinates	12773058.70000, 350522.10000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray trace medium to fine SAND, dry, no odor (7.5 YR 4/0).	1	6	Hand push core taken on 5/22/01 to a total depth of 16 inches bgs. Bucket auger core taken from same hole on 5/30/01 yielding information from 18-48 inches bgs. USGS duplicate core taken at this location.
6		CL	As above.	2	6	
12		CL	As above. Push core completed at 16 inches bgs	3	4	
18			CLAY/paper waste mixture with some sandy, black.			
24						
30						
36			*SAND, brown-black*			
42			SAND, brown			
48			Bucket auger completed at 48 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SL026

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01	Borehole Diameter (in)	:
Drilling Method	: hand push	Total Recovery (in.)	: 14
Drilled By	: Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12773434.60000, 350522.10000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, dark brown, trace medium to fine SAND, roots present, dry, no odor (7.5 YR 4/2).	1	6	Hand push core taken on 5/22/01 to a total depth of 16 inches bgs. Bucket auger core taken from same hole on 5/30/01 yielding information from 18-48 inches bgs. USGS duplicate core taken at this location.
6		CL	SILTY CLAY, gray, trace coarse to fine SAND, trace medium to fine GRAVEL, roots noted, dry, no odor, stiff (7.5 YR 4/0).	2	6	
12		GC	SAND and GRAVEL, brown, dry, no odor (7.5 YR 5/6).			
			Core completed at 14 inches bgs.			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL027

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01and 5/30/01	Borehole Diameter (in) :	
Drilling Method	: hand push/bucket auger	Total Recovery (in.)	. 30
Drilled By	. Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12773810.50000, 350522.10000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	SANDY SILT, dark brown, organic material noted, dry, no odor (7.5 YR 3/2).	1	6	Hand push core taken on 5/23/01 to a total depth of 16 inches bgs. Bucket auger core taken from same hole on 5/30/01 yielding information from 16 to 30 inches bgs.
6		SC	SILTY SAND, brown, little coarse to fine gravel, dry, no odor (7.5 YR 4/4).	2	6	
12		GC	SAND and GRAVEL, brown, with silt (loam), dry, no odor (7 5 YR 4/4). Core completed at 16 inches bgs	3	4	
18				4	6	
24				5	6	
30			Bucket auger completed at 30 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL028

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled : 5/23/01
Drilling Method : hand push
Drilled By : Rick Mehl
Logged By : Joe Klemp
X, Y Coordinates : 12774186 40000, 350522 10000

Borehole Diameter (in)
Total Recovery (in.) : 25

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray, trace medium to fine SAND, moist, no odor (7.5 YR 4/0).	1	6	
6		CL	As above.	2	6	
12		CL	0.1" SAND layers at 15.5", 17 2" and 20.0".	3	12	
18						
24			Core completed at 25 inches bgs			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL029

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01and 6/1/01	Borehole Diameter (in)	:
Drilling Method	: hand push/hand auger	Total Recovery (in.)	: 36
Drilled By	: Joe Ruiz/Heidi Nemeth		
Logged By	: Joe Klemp/Heidi Nemeth		
X. Y Coordinates	: 12774562.30000, 350522.10000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	SILT, gray, trace clay, roots present at top 3", dry, no odor (7.5 YR 5/0).	1	6	Hand push core collected on 5/23/01 with a maximum depth of 15 inches bgs. Hand auger core collected on 6/1/01 from same hole yielding information from 15-36 inches bgs.
6		ML	SILT, gray, trace clay, thin 0.5" SAND with shells at 8" bgs, dry, no odor.	2	6	
12		CL	SILTY CLAY, gray trace medium to fine sand, dry, no odor. (Push core completed at 15 inches bgs.	3	3	
18		SP	CLAY SILT with medium sand.	4	9	
24		SP	SAND, medium to fine, little roots	5	12	Water encountered during hand auger at 30 inches bgs.
30		CL	SAND, light brown with gravel. SILTY CLAY, black to gray.			
36			Hand auger core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL030

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/24/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	26
Drilled By	Joe Ruiz		
Logged By	Joe Klemp		
X, Y Coordinates	12774938.20000, 350522.10000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	SILT, gray, trace clay.	1	6	
6		ML	0.5" SAND layer @ 7" bgs. 0.5" SAND layer @ 8.5" bgs	2	4	
12		ML	0.5" SAND layer, brown, medium to fine @ 22" bgs. 0.5" SAND layer, brown, medium to fine @ 23" bgs.	3	12	
24		SP	SAND, brown, medium to fine			
			Core completed at 26 inches bgs			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL031

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/24/01	Borehole Diameter (in)	:
Drilling Method	: hand push/hand auger	Total Recovery (in.)	: 36
Drilled By	: Joe Ruiz		
Logged By	Joe Klemp/Heidi Nemeth		
X, Y Coordinates	: 12775314.10000, 350522.10000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, light gray, moist, no odor (7.5 YR 6/0).	1	6	Hand push core taken on 5/24/01 to a total depth of 24 inches bgs. Hand auger core yielded information from same hole from 24-36 inches bgs. Saturation at 6 inches bgs (from hand auger data)
6		CL		2	6	
		SP	SAND, brown, coarse to fine			
12		SP	Wet, no odor, shells present (7.5 YR 6/6).	3	12	
18		SP	SAND, dark brown, coarse to fine, wet, no odor, shells present (7.5 YR 3/0) Hand push core completed at 24 inches bgs.			
24				4	12	
30						
36			Hand auger core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL032

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/31/01	Borehole Diameter (in)	:
Drilling Method	: Bucket Auger	Total Recovery (in.)	: 36
Drilled By	: Rick Mehl		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12776393.77547, 350513.76550		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			SILTY CLAY, large grains, roots, organic matter, light gray.	1	6	
6		CL		2	6	Water visible at 6 inches bgs.
12			CLAY loam some rooted material, light gray, compacted.			
18		CL		3	12	
24			CLAY SILT, black, compacted, sludgy when mixed with water, fine particles, peaty.			
30		CL		4	12	
36			Below 36 inches bgs CLAY SILT, compacted, finest particles, saturated			
42			Hand auger core completed at a depth greater than 36 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SL033

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01 and 5/30/01	Borehole Diameter (in)	
Drilling Method	: hand push/bucket auger	Total Recovery (in.)	: 48
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12771931.00000, 350898.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray trace medium to fine SAND, moist, no odor (7.5 YR 4/0).	1	6	Push core data collected with two push cores into same hole. Push core A: (0-36") pushed, 17" recovered Push core B: (12-44") pushed, 14" recovered (although these totals do not add up to 18.5 inches bgs that are documented in this boring log). Bucket auger yielded information from below 18.5 inches bgs to a maximum depth of 48 inches bgs.
6				2	6	
12		CL	As above.	3	6.5	
18		CL	SILTY CLAY, dark gray, slight organic material. (Hand push cores completed at 18.5 inches bgs.)			
24		PT	Paper waste above this depth Black PEAT-like material saturated with petroleum odor.			
30						
36						
42						
48			Hand auger core completed 48 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SL034

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/22/01 and 5/25/01	Borehole Diameter (in.)	2
Drilling Method	hand push	Total Recovery (in.)	68
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X Y Coordinates	12772682.80000, 350898.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	3" gray CLAYEY GRAVEL over 3" silt-trace-clay, roots noted, wet, no odor (7.5 YR 4/0).	1	6	Push core data collected with three push cores into same hole. Original boring logs note: Push core A (taken 5/22/01): 14" recovered. Push core B (taken 5/22/01): 7.5" recovered, to maximum depth of 24 inches bgs. Push core C (taken 5/25/01):44" recovered to a maximum depth of 68 inches bgs.
6		CL	SILTY CLAY, gray, trace coarse to fine sand, moist, no odor (7.5 YR 4/0).	2	6	
12		CL	As above (7.5 YR 3/0).	3	6	
18		CL	*Push cores A and B completed at 24 inches bgs.*			
24		CL	SILTY CLAY, gray trace coarse to fine sand, moist, no odor (7.5 YR 4/0).	4	12	
30						
36				5	10	
42		CL	As above, little sand	6	10	
48						
54		OL	CLAY, black, organic, moist, shells noted, gray mottling.			
60						
66			Push core C completed at 68 inches bgs.			
72						

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LOG OF BORING SL035

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/22/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	15
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12773058.70000, 350898.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILT, gray, trace CLAY, dry, no odor, white flecks noted (7.5 YR 4/0)	1	6	Core pushed 20" into soil, 15" of soild recovered.
6		CL	As above.	2	6	
12		CL	As above. Core completed at 15 inches bgs	3	3	
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL036

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01	Borehole Diameter (in)	
Drilling Method	: hand push	Total Recovery (in.)	: 29
Drilled By	: Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12774186 40000, 350898.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	SILTY SAND, brown, dry, no odor, roots noted (7.5 YR 4/4)	1	6	Core pushed 20" into soil, 15" of soild recovered.
6		SM	As above, lighter colors (7.5 YR 5/8).	2	6	
12		SM	SAND, brown, fine-grained, trace SILT.	3	12	
18		SM	As above, trace GRAVEL, medium to fine, dry, no odor			
24			Core completed at 29 inches bgs	4	5	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL037

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/30/01	Borehole Diameter (in)	:
Drilling Method	: bucket auger	Total Recovery (in.)	: 36
Drilled By	: Greg Gehng		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12775314.10000, 350898.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SC	CLAYEY SAND brown.	1	6	Lithology described from field team notes.
6		SM	SILTY SAND.	2	6	
12		SW	SAND, brown, trace gravel.	3	12	
18						
24				4	12	
30						
36			Core completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL038

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/29/01	Borehole Diameter (in)	:
Drilling Method	: hand push (2 cores)	Total Recovery (in.)	: 29
Drilled By	: Greg Gehng		
Logged By	: Joe Klemp		
X, Y Coordinates	12775690.00001, 350898.00000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray, trace medium to fine SAND, roots noted, moist, no odor (7.5 YR 4/0).	1	6	Sample collected with two core liners pushed into the same hole. Core A: 15" total recovery. Core B: 13" total recovery. Combined recovery: 28". Combined penetration depth: 40 inches bgs.
6				2	6	
12						
18				3	12	
24			Thin (0.1-0.1") black organic layers between 26 and 27 inches bgs. Core completed at 28 inches bgs.	4	4	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL039

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/25/01	Borehole Diameter (in)	:
Drilling Method	: hand push	Total Recovery (in.)	: 25
Drilled By	: Greg Gehring		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12768283.76051, 350416.41074		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			CLAY (PEAT), black, organic, wet, no odor (7.5 YR 2/0).	1	6	
6				2	6	
12		CL				
18				3	13	
24			Core completed at 25 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL040

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/25/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in.)	32
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12768958.51292, 350402.69358		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			Black organic PEAT			
				1	6	
6						
				2	6	
12						
		PT				
18				3	12	
24						
				4	8	
30			Core completed at 32 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL041

(Page 1 of 1)

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/24/01	Borehole Diameter (in)	
Drilling Method	: hand push	Total Recovery (in.)	: 31
Drilled By	: Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	: 12767660.45755, 351228.45995		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	CLAY, dark brown organic, moist, no odor (7.5 YR 2/0).	1	6	
		PT	*Black organic PEAT (7.5 YR 2/0)*			
6				2	6	
12						
18				3	12	
24				4	7	
30			Core completed at 31 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL042

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/25/01	Borehole Diameter (in)	:
Drilling Method	: hand push	Total Recovery (in.)	: 36
Drilled By	: Joe Ruiz	X, Y Coordinates	: 12768319.55816, 351037.82038
Logged By	: Joe Klemp		
X, Y Coordinates	: 12768319.55816, 351037.82038		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0			PEAT, dark brown to black, highly organic (roots, leaves, wood, etc).	1	6	
6				2	6	
12						
18		PT		3	12	
24						
30				4	12	
36			Core completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL043

WESTON MANAGERS DESIGNERS & CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/25/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 30
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12768956.00000, 351032.60000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		PT	PEAT brown to black, organic.	1	6	
6				2	6	
12						
18				3	12	
24				4		
30		CL	SANDY CLAY, gray, trace silt, moist, no odor (7.5 YR 3/0) Core completed at 30 inches bgs.		6	
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL044

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/23/01	Borehole Diameter (in) :	
Drilling Method	hand push	Total Recovery (in.)	: 39.5
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12769596.60000, 351032.60000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		PT	Black organic matter (7.5 YR 2/0)	1	6	
6		CL	SILTY CLAY, brown (7.5 YR 6/6)			
		PT	Black organic PEAT, moist, no odor (7.5 YR 2/0).	2	6	
12		PT	As above.	3	12	
24		PT	As above.	4	12	
36		PT	As above (7.5 YR 3/2) Core completed at 39.5 inches bgs	5	3	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL045

WESTON MANAGERS DESIGNERS & CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/23/01	Borehole Diameter (in) :	
Drilling Method	hand push	Total Recovery (in.)	36
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12770237.20001, 351032.60000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SC	CLAYEY SAND brown, organic material present, wet, no odor (7.5 YR 4/6)	1	6	
6		CL	SANDY CLAY, brown, roots and leaves noted, high plasticity, wet, no odor (7.5 YR 6/2).	2	6	
12		PT	PEAT, black, organic.	3	12	
18		PT	As above.			
24		PT	As above.	4	12	
30						
36			Core completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL046

WESTON MANAGERS DESIGNERS & CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01 and 6/4/01	Borehole Diameter (in) :	
Drilling Method	: hand push/bucket auger	Total Recovery (in.)	: 48
Drilled By	: Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	12770864.66611, 351068.42566		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, brown, trace medium to fine SAND, wet, no odor.	1	6	Push core collected on 5/23/01, yielding soil to a total depth of 29 inches bgs.
6		ML	SANDY SILT, brown wet, no odor, organic material noted.	2	6	
12		ML	As above.	3	12	
18						
24		ML	As above. Push core completed at 29 inches bgs.	4	5	
30		SC	CLAYEY SAND medium to fine, trace organic.			Bucket auger used to collected soils from 30-48 inches bgs on 6/4/01.
36		SC	As above. Less organic			
42						
48			Bucket auger core completed at 48 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SL048

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/22/01	Borehole Diameter (in) :	
Drilling Method	: hand push	Total Recovery (in.)	: 16
Drilled By	: Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12772839.05452, 351041.49211		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SC	SAND, brown, litle SILT, moist, no odor, some medium to fine GRAVEL (7 5 YR 4/4).	1	6	
6		SC	As above.	2	6	
12		SC	As above. Core completed at 16 inches bgs			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL049

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/24/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	28
Drilled By	Joe Ruiz		
Logged By	Joe Klemp		
X, Y Coordinates	12767034.20000, 351673.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	CLAY, dark brown, trace silt, wet, no odor (7.5 YR 3/2).	1	6	Total recovery: 28 inches bgs. Total penetration: 36 inches bgs.
6				2	6	
		SP	SAND, dk brown, med to fine, wet, no odor (7.5 YR 3/2).			
12		SP	SAND, brown, coarse to fine, wet, no odor (7.5 YR 5/6).	3	12	
18		CL	CLAY, brown, trace silt.			
		PT	PEAT, brown, organic (7.5 YR 3/4).			
24		PT	PEAT, black, organic (7.5 YR 2/0) Core completed at 28 inches bgs	4	4	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL050

WESTON MANAGERS DESIGNERS & CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/25/01	Borehole Diameter (in)	:
Drilling Method	: hand push	Total Recovery (in.)	: 24
Drilled By	: Greg Gehrig		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12767678.14557, 351688.74676		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	CLAY, dark brown, organic, wet, no odor (7.5 YR 2/0).	1	6	
6		CL	PEAT, black organic CLAY.	2	6	
12						
18				3	12	
24			Core completed at 24 inches bgs			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL051

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/24/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	: 39
Drilled By	Joe Ruiz		
Logged By	Joe Klemp		
X, Y Coordinates	: 12768315.40000, 351673.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		PT	PEAT, brown, organic	1	6	
6				2	6	
12						
18				3	12	
24						
30				4	12	
36			Core completed at 39 inches bgs.	5	3	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL052

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/23/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	40
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12769596.60000, 351673.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	SANDY SILT, gray, organics noted, wet, no odor (7.5 YR 5/4)	1	6	
6		ML	As above (7.5 YR 4/2).	2	6	
12		CL	CLAY gray roots and organic mataerial, wet, no odor (7 5 YR 4/0).	3	12	
24		PT	PEAT, black, organic (7.5 YR 2/0).	4	12	
30		CL	SANDY CLAY, brown, varved material, moist, no odor (7 5 YR 4/4).			
36		CL	As above. Core completed at 40 inches bgs.	5	6	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL053

WESTON MANAGERS DESIGNERS & CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01 and 6/4/01	Borehole Diameter (in)	:
Drilling Method	: hand push/bucket auger	Total Recovery (in.)	: 48
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X Y Coordinates	: 12770237.20001, 351673.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, brown, organics present	1	6	Push core taken on 5/23/01 with a total recovery of 29 inches bgs.
6		PT	PEAT, brown organic material	2	6	
12		PT	PEAT, black, organic.	3	12	
24		PT	As above. Push core completed at 29 inches bgs	4	5	
30		PT	As above. Less organics			Bucket auger used in same hole on 6/4/01 to collect soils from 30 to 48 inches bgs.
36		PT	As above. Bucket auger core completed at 48 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SL054

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled : 5/23/01
Drilling Method : hand push
Drilled By : Rick Mehl
Logged By : Joe Klemp
X, Y Coordinates 12770877.80001, 351673.20000

Borehole Diameter (in) :
Total Recovery (in.) : 41

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	CLAY, brown, organic material present, no odor, wet (7.5 YR 5/6)	1	6	
6		CL	As above (7 5 YR 5/2)	2	6	
12		PT	PEAT, brown, moist, no odor (7.5 YR 5/6).	3	12	
24		PT	As above (7.5 YR 5/6).	4	12	
36		PT	As above. Core completed at 41 inches bgs	5	5	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL055

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/23/01	Borehole Diameter (in) :	
Drilling Method	: hand push	Total Recovery (in.)	: 31
Drilled By	: Rick Mehl		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12771518.62608, 351671.34012		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	SILTY CLAY, gray wet, no odor (7.5 YR 6/0).	1	6	
6		CL	As above (7 5 YR 7/0)	2	6	
12		PT	PEAT, black, organic, roots present, dry, organic odor. (7.5 YR 2/0).	3	12	
18						
24		CL	SANDY CLAY, dark brown, light brown mottling, wet, no odor (7.5 YR 3/2).	4	7	
30			Core completed at 3' inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL056

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	5/22/01 and 6/1/01	Borehole Diameter (in)	
Drilling Method	hand push/hand auger	Total Recovery (in.)	36
Drilled By	Joe Klemp		
Logged By	Joe Klemp/Heidi Nemeth		
X, Y Coordinates	12772799.60001, 351673.20000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	SAND, brown, medium to fine trace SILT, roots noted, GRAVEL noted, dry, no odor (7.5 YR 4/6).	1	6	Hand push core recovered 17 inches of material on 5/22/01.
6		SP	As above. Little course to fine GRAVEL (7.5 YR 6/6 to 4/6)	2	6	
12		SP	As above.	3	5	
		SP	SAND, brown, coarse to fine, moist, no odor (7.5YR 6/6). Push core completed at 17 inches bgs			
18		SW	Red tinted, SANDY material, large particles, large rocks, light brown	4	6	Bucket auger recovered material from same hole from 18-36 inches bgs on 6/1/01.
24		SW	Brown with less of a red tint, GRAVEL with some SAND, large particles	5	12	Water encountered during augering at 24 inches bgs.
30						
36			Bucket auger core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL057

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/22/01	Borehole Diameter (in) :	
Drilling Method	: bucket auger	Total Recovery (in.)	: 36
Drilled By	: Joe Ruiz		
Logged By	:		
X, Y Coordinates	12773294.39957, 351677.30153		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	Black, organic topsoil, trace fine to medium sand.	1	6	
		SM	SILTY SAND, lt brown to dk brown, trace fine gravel.			
6		SM	SILTY SAND, brown fine, trace gravel.	2	6	
		SM	SILTY SAND, brown to lit brown, trace gravel, fine to medium, less moisture			
12		SP	SAND, fine, trace gravel, light brown, wet.	3	12	
18		SP	SAND dark brown fine, more gravel than above, wet			
24		SP	SAND, fine, light brown to dark brown, trace coarse to fine gravel, wet.	4	12	
30		SP	As above More coarse gravel.			
36			Core completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL058

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 6/6/01	Borehole Diameter (in)	: 3
Drilling Method	: hand push	Total Recovery (in.)	: 36
Drilled By	: Greg Gehrig		
Logged By	: Heidi Nemeth		
X, Y Coordinates	: 12766957.13514, 352540.20744		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	SILT, lt brown organic, many roots, dry (7.5 YR 3/1).			
6		CL	CLAY, elastic gray, some black roots, very moist, slight odor of peanut butter (7 5 YR 4/1)	1	6	
				2	6	
12		CH	CLAY, elastic, dense gray, moist, odor of fuel (7.5 YR 4/1)	3	4	
18		CH	SILTY CLAY, visible sheen, elastic, moist, strong fuel odor.	4	13	
30		PT	PEAT and SILT highly organic (roots, wood), dark red/brown, strong odor of sulfur (7 5 YR 3/2).	5	7	
36			Core completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL059

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/6/01	Borehole Diameter (in)	3
Drilling Method	hand push/hand auger	Total Recovery (in.)	36
Drilled By	Greg Gehng		
Logged By	Heidi Nemeth		
X, Y Coordinates	12767674.80000, 352313.80000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	SILTY SAND, brown many roots, worm, earthy odor.	1	6	Push core recovered soil from 0-19 inches bgs.
6		SM	As above. Red tint, no odor	2	6	
12		SP	SAND, light brown red tint, slightly moist, no odor.	3	7	Hand auger recovered soil from the same hole from 12-36 inches bgs (assume some slough/slumping after push core was removed). Soil from hand augered section at 12-24 inches bgs was the same but more watery than the push core soil from 12-19 inches bgs. A soil sample was also taken from augered section 12-24 inches bgs.
18		SP	Hand push core completed at 19 inches bgs. 19-24 inches recovered from hand auger core, material as above, but watery			
24		SP	As above, less water	4	12	
30						
36			Hand auger core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL060

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/7/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in)	36
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X, Y Coordinates	12770877 80001, 352313 80000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		PT	PEAT	1	6	Reconstructed from field crew notes and photos
6				2	6	
12						
18				3	13	
24		OL	Organic CLAY, roots and twigs noted	4	13	
30						
36			Core completed at 38 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL061

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/5/01	Borehole Diameter (in)	3
Drilling Method	hand push	Total Recovery (in.)	30
Drilled By	Rick Mehl		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	SILTY CLAY, light brown, many healthy roots, slightly moist, earthy odor	1	6	
6		OL	As above. Trace SAND and smaller roots, slightly moist	2	6	
12		SM	SANDY and SILTY, trace organics, small, thin roots, moist, no odor	3	12	Original boring log states that two segments of this core, (0-18") and (18-30") were separated by a 6" gap
18		SW	SAND, trace organics.			
		SW	SAND, light than above layer			
24		SW	SAND, light colored, shells present, gravel	4	6	
		SW	SAND, heavy, shells and gravel			
		SW	Core completed at 30 inches bgs			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL062

WESTON MANAGERS DESIGNERS & CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 5/22/01	Borehole Diameter (in) :	
Drilling Method	: hand push	Total Recovery (in.)	: 25
Drilled By	: Joe Klemp		
Logged By	: Joe Klemp		
X, Y Coordinates	: 12772799.60001, 352313.80000		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	3" root material in medium to fine clayey sand to dark gray SILTY SAND wet, no odor	1	6	
6		SM	Gray medium to fine SAND, trace SILT, wet, no odor, roots noted in 20% of sample (5 YR 4/1).	2	6	Brown mottling around roots
12		SP	Gray to brown medium to fine SAND, wet, no odor (5 YR 6/3)	3	13	
18		SP	Gray medium to fine SAND, wet, no odor, trace branch debris (5 YR 5/1).			Clear quartz grains noted
24			Core completed at 25 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL063

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	: 05/22/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	9
Drilled By	Joe Klemp		
Logged By	Joe Klemp		
X, Y Coordinates	12773118.69499, 352189.00469		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown SILTY SAND some medium to fine gravel, roots noted, moist, no odor	1	9	9" total recovery
6			Core completed at 9 inches bgs			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL064

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/06/01	Borehole Diameter (in)	2
Drilling Method	Hexan tube slam bar	Total Recovery (in)	40
Drilled by	Greg Gehrig		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Silty sand, fine roots dark brown in color not dense, earthy odor	1	5	
6		SW	Light brown sand with red tint throughout Pockets of organic material earthy odor small particles	2	7	
12		SW	Light brown sand with red tint throughout Pockets of organic material earthy odor small particles			
		SW	Organic silty clay layer with small roots			
18		SW	Sandy layer of light brown sand tinted with red throughout Pockets of organic material earthy odor small particles	3	13	
24						
30		SM	Gray sand stratified thinly with organic matter, strong volatile organic odor	4	11	
36		SM	Gray sand stratified thinly with organic matter, strong volatile organic odor Core completed at 40 inches bgs	5	4	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL065

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/07/01	Borehole Diameter (in)	3
Drilling Method	lexan tube, push bar	Total Recovery (in.)	34
Drilled By	Joe Ruiz		
Logged By	Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Silty sand, dark brown, some roots, earthy odor, dry	1	6	
6		SW	Fine sand, well graded, some silt, some roots, colored black, light brown and red, moist, earth odor	2	6	
12		SM	Very silty, elastic, black, faint fuel odor	3	5	
18		SW	Black sand, well graded, no distinct odor, moist	4	7	
24		SW	Black sand, well graded, no distinct odor, moist	5	10	
30			Core completed at 34 inches bgs			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL066

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/07/01	Borehole Diameter (in)	3
Drilling Method	lexan tube push bar	Total Recovery (in)	38
Drilled By	Joe Ruiz		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light gray-brown silt elastic some roots faint fuel odor	1	5	
6		SW	Well graded sand, few roots sea shells earthy odor	2	7	
12		SW	Well graded sand, tinted red somewhat moist earthy odor	3	12	
24		SW	Gray sand, well graded, somewhat moist earthy odor	4	12	
36			Core completed at 38 inches bgs			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL067

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/22/01	Borehole Diameter (in) :	
Drilling Method	hand push	Total Recovery (in.)	: 17
Drilled By	Joe Ruiz		
Logged By	Joe Ruiz		
X, Y Coordinates	12772919.70655, 352944.45798		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Dark brown sandy clay, some silt, wet, no odor, leaves and organic material noted.	1	6	17" total recovery
6		PT	Dark brown peat, coarse to fine gravel (7.5YR 2/0).	2	6	
12		PT	Dark brown peat, coarse to fine gravel (7.5YR 2/0). Core completed at 17 inches bgs	3	5	
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL067 (A)

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/01/01	Borehole Diameter (in)	2
Drilling Method	hand push	Total Recovery (in)	21
Drilled By	Rick Mehl		
Logged By	Joe Klemp		
X Y Coordinates	12772919 70655 352944 45798		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Black CLAYEY organic material, wet, no odor (7.5YR 2/0), trace medium to fine sand, trace medium to fine gravel	1	6	21" total recovery
6		SP	Brown gray medium to fine SAND and gravel, clay no odor	2	6	
12		SP	Dark gray CLAYEY SAND, trace medium to fine gravel, dry no odor twigs noted (12 - 20.5 inch interval)	3	9	
18			Brown coarse to fine SAND (20.5 -21 inch interval)			
			Core completed at 21 inches bgs			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL068

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/06/01	Borehole Diameter	[illegible] push
Drilling Method	hand push and auger	Total Recovery (in)	[illegible]
Drilled By	Greg Gehrig		
Logged By	Joe Kiemp		
X Y Coordinates	12767042 26118, 353423 64088		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Dark brown SILTY CLAY, little medium to coarse sand, dry no odor, roots present (7 5YR 3/2)	1	6	
6		SC	Brown CLAYEY SAND, moist no odor trace medium to fine gravel (7.5YR 4/2)	2	6	
12		SW	Light brown coarse to fine SAND trace medium to fine gravel moist, to odor (7 5YR 5/6)	3	10	Water encountered during augering at 18 inches bgs
18			Push core completed at 22 inches bgs			Very saturated lots of slough and slide of material
24		SW	SAND and gravel, saturated	4	14	
30						
36			Bucket auger completed at 36 inches bgs			
42						
48						
54						
60						
66						
72						

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WESTON
MANAGERS DESIGNERS·CONSULTANTS

LOG OF BORING SL069

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	06/06/01	Borehole Diameter (in)	3
Drilling Method	lexan tube, slam bar	Total Recovery (in)	40
Drilled By	Greg Gehrig		
Logged By	Heidi Nemeth		
X Y Coordinates	12767666 66498 353031 31276		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	Dark brown silt, heavy organic matter, many roots, ~~earthy odor, trace sand, moist~~	1	6	
		SD	Sandy layer, many roots, earthy odor, moist.			
6		OL	Dark brown silty sand as first layer	2	3	
		SM	Sandy silt with organic matter and red streaks, moist			
		OL	Silty with some sand, earthy odor many fine roots, moist	3	3	
12		PT	Black peat, many fine roots rich earthy odor moist	4	12	
24		SM	Gray sand with a great amount of organic material pieces of wood moist, dense	5	12	
36		PT	Peat, mostly fine roots, very moist Core completed at 40 inches bgs	6	4	
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL071

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	6/5/01	Borehole Diameter (in)	3
Drilling Method	lexan tube, slam bar	Total Recovery (in)	30
Drilled By	Rick Mehl		
Logged By	Heidi Nemeth		
X Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		OL	SILTY CLAY, organic odor, many roots (large and small), small particles.	1	6	30" of recovery
6		OL	SILTY CLAY, organic odor, small roots	2	6	
12		PT	SILTY CLAY stratified at 18" with peat large roots volatile odor	3	12	
24		PT	SILTY organic, organic odor peaty roots visible Core completed at 30 inches bgs	4	6	
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL072

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Plainwell, Michigan

Date Drilled	05/22/01	Borehole Diameter (in)	
Drilling Method	hand push	Total Recovery (in.)	29
Drilled By	Joe Ruiz		
Logged By			
X Y Coordinates	12772714 42888, 353588 42535		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Gray SILTY CLAY little medium to fine sand, roots present, wet no odor (7 5 YR 3/2)	1	6	
6		CL	As above little less roots slight brown mottling (7 5 YR 3/0)	2	6	
12		ML	Dark brown organic SILT, little medium to fine sand, shells present, wet, organic odor (7 5 YR 3/0).	3	12	
18						
24		ML	As above Core completed at 29 inches bgs			
30						
36						
42						
48						
54						
60						
66						
72						

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PHASE II

BORING LOGS

GRID 1

SL015

LOG OF BORING SL015-01

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt with trace OM. Dry.	1	6	AP-SL015-01-01 PCB Analysis
6		ML	Gray/Brown silt with trace clay and OM. Dry.	2	6	AP-SL015-01-02 PCB Analysis
12		ML	Brown silt with trace fine sand, clay and OM. Dry.			
18		ML	Brown silt with little clay and trace find sand and OM. Dry.	3	12	AP-SL015-01-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Brown, red and blue mottled silt with some clay and trace OM. Slightly moist.	4	12	AP-SL015-01-04 PCB Analysis
30						
36		ML	Brown/Gray mottled black clayey silt with trace OM. Trace red and blue mottle along rock traces. Moist.	5	9	AP-SL015-01-05 PCB Analysis
42		ML	Brown/ Grayish-brown sandy silt with some shell and wood fragments. Moist-wet.	6	6	AP-SL015-01-06 PCB Analysis
48		SW	Light brown, fine to medium sand with trace shell fragments and silt. Wet.	7	3	AP-SL015-01-07 PCB Analysis
54		ML	Black clayey silt with trace OM, find sand, and shells and wood fragments. Moist-wet.	8	9	AP-SL015-01-08 PCB Analysis
60			Core Completed at 60 inches bgs.			
66						

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WESTON MANAGERS DESIGNERS·CONSULTANTS

LOG OF BORING SL015-02

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Heidi
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt with trace OM. Dry.	1	6	AP-SL015-02-01 PCB Analysis
6		ML	Gray/Brown silt with trace clay and OM. Dry.	2	6	AP-SL015-02-02 PCB Analysis
12		ML	Brown silt with trace fine sandy clay and OM. Dry.			
18		ML	Lense of light brown/brown silty sand, trace OM and shell fragments. Dry	3	12	AP-SL015-02-03 (Duplicate Sample Collected) PCB Analysis
		ML	Brown silty with race fine sand, clay and OM, dry.			
24		ML	Dark brown silt with trace find sand, clay and OM. Dry.			
30		ML	Same as above. No sand/ slightly more clay, moist.	4	12	AP-SL015-02-04 PCB Analysis
36		ML	Dark Brown, red and blue mottled silt with little clay and trace OM and trace sand. Moist.	5	6	AP-SL015-02-05 PCB Analysis
42		ML	Gr/Gray/Black, R/B mottled clayey silt with trace OM. Moist.	6	6	AP-SL015-02-06 PCB Analysis
48		ML	Same as above. Moist-wet.			
		SW	Brown to light brown, fine to medium sand with silt. Some OM. Shell fragment. Wet.			
54		ML	Black clayey silt with trace OM and shell fragments. Moist.	7	12	AP-SL015-02-07 PCB Analysis
60			Core Complete at 60 inches bgs.			
66						

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LOG OF BORING SL015-03

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Ben M
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown to tan silt with trace OM. Dry. No odor.	1	6	AP-SL015-03-01 PCB Analysis
6		ML	Tan to brown silt. Trace clay and organics. Dry. No odor.	2	6	AP-SL015-03-02 PCB Analysis
12		ML	*As above. Trace shell and sand.*			
18		ML	Same as above.	3	12	AP-SL015-03-03 PCB Analysis
24		ML	Brown silt, trace sand, organics, trace clay. Slightly moist. No odor.			
30		ML	Same as above. Slightly higher clay content.	4	12	AP-SL015-03-04 PCB Analysis
36		ML	Dark brown to black silt. Trace amount of organics, clay, mica, shell fragments present. Moist. No odor.			
42				5	12	AP-SL015-03-05 PCB Analysis
48		ML	Dark brown silt, trace of fine sand, shells, organics and clay. Moist. No odor.			
54		ML	Same as above. Dark brown to black.	6	12	AP-SL015-03-06 (Duplicate Sample Collected) PCB Analysis
60			Core Complete at 60 inches bgs			
66						

LOG OF BORING SL015-04

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Ben M.
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brownish tan silt with trace clay and organics. Dry. No odor.	1	6	AP-SL015-04-01 PCB Analysis
6		ML	Tanish gray silt. Trace silty organics and clay. Dry. No odor.	2	6	AP-SL015-04-02 PCB Analysis
12		ML	Same as above. Trace sand and mica.			
18		ML	Tanish brown silt, trace sand, organics, clay and mica and shells. Slightly moist.	3	12	AP-SL015-04-03 PCB Analysis
24		ML	Dark brown silt, trace sand, organics, mica, shell fragments Some clay. Moist. No odor.			
30		ML	Same as above. Minor traces of sand.	4	12	AP-SL015-04-04 PCB Analysis
36		ML	Same as above.			
42		ML	Same as above. More shells present.	5	12	AP-SL015-04-05 PCB Analysis
		SW	Tan to Light brown fine sand. Some shells, very moist, No odor.			
		ML	Dark brown to black silt, trace organics. Moist. Slight odor.			
48		ML	Black silt. Trace organics and fine sand. Moist. Slight odor	6	12	AP-SL015-04-06 PCB Analysis
54						
60			Core Completed at 60 inches bgs			
66						

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LOG OF BORING SL015-05

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By :
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt. Trace OM. Dry.	1	6	AP-SL015-05-01 PCB Analysis
6		ML	Gray/Brown silt. Trace OM and clay. Dry.	2	6	AP-SL015-05-02 PCB Analysis
12		ML	Brown silt. Trace fine sand, OM and clay. Dry.	3	12	AP-SL015-05-03 PCB Analysis
24		ML	Brown/dark brown silt with trace OM and little clay. Slightly moist.	4	12	AP-SL015-05-04 PCB Analysis
36		ML	Dark brown silt with some clay and trace OM. Moist.	5	9	AP-SL015-05-05 PCB Analysis
42		SW	Light Brown fine to medium sand with trace silt and shell fragments, Moist.	6	3	AP-SL015-05-06 PCB Analysis
48		ML	Black clayey silt, OM. Moist-wet.	7	12	AP-SL015-05-07 (Duplicate Sample Collected) PCB Analysis
54						
60			Core Completed at 60 inches bgs			
66						

LOG OF BORING SL015-06

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt. Trace OM. Dry.	1	6	AP-SL015-06-01 PCB Analysis
6		ML	Gray/Brown silt. Trace OM and clay. R/B mottles. Dry.	2	6	AP-SL015-06-02 PCB Analysis
12		ML	Brown to R/B silt with trace fine sand, clay, OM (roots) and shell fragments. Dry.	3	12	AP-SL015-06-03 PCB Analysis
24		ML	Brown / R/B mottled silt with some clay, trace OM. Slightly moist.	4	12	AP-SL015-06-04 PCB Analysis
36		ML	Same as above. Moist			
42		ML	Brown/Gray sandy silt with trace OM (wood) and shell fragments. Wet	5	12	AP-SL015-06-05 (Duplicate Sample Collected) PCB Analysis
		ML				
48		SW	Lt. Brown/ tan fine to med. sand with trace silt and shell fragment. Wet.	6	2	AP-SL015-06-06 PCB Analysis
54		SP	Black clayey silt. Sheen with trace OM (wood) and shell fragments. Organic odor. Wet.	7	10	AP-SL015-06-07 PCB Analysis
60		ML	Blackish gray silty sand			
			Core Completed at 60 inches bgs			
66						

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LOG OF BORING SL015-07

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Heidi / Keith
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt. Trace OM. Dry.	1	6	AP-SL015-07-01 PCB Analysis
6		ML	Gray/Brown silt. Trace OM, clay and fine sand. Dry.	2	6	AP-SL015-07-02 PCB Analysis
12		ML	Brown sandy silt with trace clay, OM and shell fragments. Dry.			
18		ML	Brown silt with fine sand and little clay. Dry.	3	12	AP-SL015-07-03 PCB Analysis
24		ML	Brown silt with R/B mottled little clay and trace OM. Slightly moist.	4	6	AP-SL015-07-04 PCB Analysis
30		ML	Dark brown/ Grayish brown silt with some clay. Black mottles. Trace of fine sand.	5	6	AP-SL015-07-05 PCB Analysis
36		SW	Same as above.	6	6	AP-SL015-07-06 PCB Analysis
42		ML	Brown/ tan fine to med. sand with shell fragment. Wet.	7	6	AP-SL015-07-07 PCB Analysis
48		ML	Black clayey silt with trace OM. Moist-wet/moist.	8	12	AP-SL015-07-08 (Duplicate Sample Collected) PCB Analysis
54						
60			Core Completed at 60 inches bgs			
66						

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LOG OF BORING SL015-08

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Ben M.
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown silt with trace organics. Dry No odor.	1	6	AP-SL015-08-01 PCB Analysis
6		ML	Brownish gray silt with some clay and trace organics. Dry. No odor.	2	6	AP-SL015-08-02 PCB Analysis
12		ML	Same as above. Trace fine sand.			
18		ML	Same as above. Trace shells.	3	12	AP-SL015-08-03 PCB Analysis
24		ML	Same as above. Higher moisture content. Trace mica, brown in color.	4	12	AP-SL015-08-04 PCB Analysis
36		ML	Brown to dark brown clayey silt, trace organics. Moist. Faint odor.			
42		SW	Fine sand, tan, trace shells. Wet. No odor.	5	12	AP-SL015-08-05 (Duplicate Sample Collected) PCB Analysis
		ML	Dark brown clayey silt, trace sand, organics and shells. Moist. Faint odor.			
48		ML	Dark brown to black silt, trace fine sand, shell. Wet. Slight odor. Water encountered at 50"			
54		ML	Same as above.	6	12	AP-SL015-08-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL015-09

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt. Trace OM. Dry.	1	6	AP-SL015-09-01 PCB Analysis
6		ML	Gray/Brown silt. Trace OM and clay. Dry.	2	6	AP-SL015-09-02 PCB Analysis
12		SM	Brown silty fine-medium sand with trace OM. Dry.			
18		ML	Brown silt with little clay and trace OM. Dry.	3	12	AP-SL015-09-03 PCB Analysis
24		ML	Brown silt with lense of sand and trace OM and shell. Dry.	4	6	AP-SL015-09-04 PCB Analysis
30		ML	Dark brown silt with some fine-medium sand lense. Trace OM and shells. Moist.	5	6	AP-SL015-09-05 PCB Analysis
36		ML	Same as above.			
42		ML	Black-Gray mottled clayey silt with trace OM.	6	12	AP-SL015-09-06 PCB Analysis
48		SW	Grey lense of fine-medium sand with trace OM. Wet.			
54		ML	Black - grey mottled Clayey silt with trace OM, wet.	7	12	AP-SL015-09-07 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

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WESTON MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SL015-10

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/24/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Jose M.
X, Y Coordinates :

Borehole Diameter (in) :
Total Recovery (in.) : 0-56" (Auger)
: 56-74" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Tan, slightly organic soil, roots present, silt.	1	7	AP-SL015-10-01 PCB Analysis
6		ML	Brown silt with trace organics and sand. Dry.	2	7	AP-SL015-10-02 PCB Analysis
12		ML	Dark brown fine sandy silt with trace organics and clay.	3	7	AP-SL015-10-03 (Duplicate Sample Collected) PCB Analysis
18		ML	Same as above.	4	7	AP-SL015-10-04 PCB Analysis
24		ML	Same as above. Higher clay content with depth (approximately 20%), less sand.	5	7	AP-SL015-10-05 PCB Analysis
30		ML	Brown clayey silt, trace fine sand, trace organics	6	7	AP-SL015-10-06 PCB Analysis
36		ML	Same as above. Slightly darker color.	7	7	AP-SL015-10-07 PCB Analysis
42		SW	Brown, fine to medium sand with fine silt. Shell fragments. Water encountered at 50".	8	3	AP-SL015-10-08 PCB Analysis
48		ML	Black organic clayey silt.	9	4	AP-SL015-10-09 PCB Analysis
54		ML	Black/clayey silt with OM. Organic or leaf and wood fragment. *Same as above - lenses of f-m sand*	10	12	AP-SL015-10-10 PCB Analysis
60		ML		11	6	AP-SL015-10-11 PCB Analysis
66						
72			Core Completed at 74 inches bgs			
78						

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LOG OF BORING SL015-11

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt. Trace OM. Dry.	1	6	AP-SL015-11-01 PCB Analysis
6		ML	Gray/Brown silt. Trace fine sand, OM and clay. Dry.	2	6	AP-SL015-11-02 PCB Analysis
12		ML	Dark brown silt with trace fine sand, clay and OM. Dry.			
18		ML	Dark brown silt with little clay and trace fine sand and OM (roots) and shells. Moist.	3	12	AP-SL015-11-03 PCB Analysis
24		ML	Dark brown silt with little or some clay, and trace OM. Slightly moist.	4	12	AP-SL015-11-04 PCB Analysis
30						
36		ML	Same as above.			
42		SW	Lt. Br. f- m sand with trace silt and shell/ OM. Moist- wet.	5	2	AP-SL015-11-05 PCB Analysis
48		ML	Black clayey silt, trace OM (wood) and shell. Gray mottles. Moist-Wet.	6	16	AP-SL015-11-06 (Duplicate Sample Collected) PCB Analysis
54						
60		SP	Blk-Gr, silty f-m sand, trace shell fragments. Wet			
			Core Completed at 60 inches bgs			
66						

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LOG OF BORING SL015-12

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Ben M.
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown to tan silt with trace organics and clay. Dry. No odor.	1	6	AP-SL015-12-01 PCB Analysis
6		ML	Same as above. Slightly higher clay content.	2	6	AP-SL015-12-02 PCB Analysis
12		ML	Same as above.			
18		ML	Same as above. Trace shells and sand.	3	12	AP-SL015-12-03 PCB Analysis
24		ML	Brown silt with trace fine sand, organics and clay. Slight moisture. No odor.			
30		ML	Same as above. Slightly less sand. Higher clay content.	4	12	AP-SL015-12-04 PCB Analysis
36		ML	Brown to dark brown silt with trace organics, clay, shell frags, and fine sand. Slightly moist. No odor.			
42		ML	Dark brown silt, some clay, trace shell fragments, organics. Moist. No odor.	5	12	AP-SL015-12-05 PCB Analysis
48		ML	Dark brown clayey silt, trace organics. Moist. No odor.			
54		ML	Dark brown to black clayey silt, trace organics. Moist. Slight odor.	6	12	AP-SL015-12-06 (Duplicate Sample Collected) PCB Analysis
60			Core Completed at 60 inches bgs			
66						

LOG OF BORING SL015-13

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/25/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz / S.Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt. Trace OM. Dry.	1	6	AP-SL015-13-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL015-13-02 PCB Analysis
12		ML	Dark greenish brown silt with little fine sand, trace OM. Dry.			
18		ML	GK greenish brown silt with trace fine sand and OM. Dry.	3	12	AP-SL015-13-03 PCB Analysis
24		ML	Same as above			
30		ML	Dark brown silt with trace clay R/B mottles. Slightly moist.	4	12	AP-SL015-13-04 PCB Analysis
36		ML	Dark brown clayey silt with some OM (wood). Moist.	5	6	AP-SL015-13-05 PCB Analysis
42		SW	Fine Sand with trace silt, clay and shell fragments			
		ML	Black clayey silt. Moist. Slight petroleum odor.	6	6	AP-SL015-13-06 PCB Analysis
48						
54		ML	Same as above. Slight sheen and petroleum odor. Moist.	7	12	AP-SL015-13-07 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

LOG OF BORING SL015-14

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/25/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz / Heidi
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray/Brown silt. Trace OM. Dry.	1	6	AP-SL015-14-01 PCB Analysis
6		ML	Same as above. Trace clay.	2	6	AP-SL015-14-02 PCB Analysis
12		ML	Dark greenish brown silt with little clay, trace OM. Dry.			
18		ML	Same as above. Slightly moist. Little more clayey.	3	12	AP-SL015-14-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Dark brown silt with some clay and trace OM. Moist.	4	12	AP-SL015-14-04 PCB Analysis
36		ML	Dark brown silt with some clay and trace f. sand, shell frag. Moist.	5	6	AP-SL015-14-05 PCB Analysis
42		ML	Dark brown greenish gray mottled clayey silt with trace wood fragments, OM, and shells. Moist to wet.	6	6	AP-SL015-14-06 PCB Analysis
48		ML	Blk clayey silt, some br/green grey mottles. Trace OM. Moist-wet.	7	12	AP-SL015-14-07 PCB Analysis
60		ML	Same as above with trace fine sand			
66			Core Completed at 60 inches bgs			

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LOG OF BORING SL015-15

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Ben M.
Logged By : Jose M.
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown silt, trace organics and clay. Dry. No odor..	1	6	AP-SL015-15-01 PCB Analysis
6		ML	Light brown to gray silt with trace organics and clay. Dry. No odor.	2	6	AP-SL015-15-02 PCB Analysis
12		ML	*Same as above. Trace mica and fine sand. Brown in color.*			
18		ML	Same as above. Slightly higher moisture content.	3	12	AP-SL015-15-03 PCB Analysis
24		ML	Dark brown silt with trace clay, mica, shells and fine sand and organics. Slight moisture. No odor.			
30		ML	Same as above. No shells observed.	4	12	AP-SL015-15-04 PCB Analysis
36		ML	Dark brown silt, some clay present with trace shells, sand, organics and mica. Moist. No odor.			
42		ML	Dark brown to black silt with some sand and traces of shells, organics, clay and mica. Moist. No odor.	5	12	AP-SL015-15-05 (Duplicate Sample Collected) PCB Analysis
48		ML	Dark brown to black silt with trace fine sand, shells and organics. Moist. Slight odor.			
54				6	12	AP-SL015-15-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

LOG OF BORING SL015-16

WESTON — MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/24/01
Drilling Method : Hand Auger
Drilled By : Mike B.
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Tan silt, highly organic material (roots).	1	6	AP-SL015-16-01 PCB Analysis
6		ML	Tan silt, traces of sand and OM..	2	6	AP-SL015-16-02 PCB Analysis
12		ML	Same as above with traces of shells.	3	6	AP-SL015-16-03 (Duplicate Sample Collected) PCB Analysis
18		ML	*Same as above. Traces of micaceous material.*	4	6	AP-SL015-16-04 PCB Analysis
24		ML	Same as above. Dry.			
30		ML	Same as above. Traces of clay. Mottled. Dry.			
		ML	Light brown fine sand, well sorted, dry.			
36		ML	Light brown sand with traces of silt and clay and organica material. Slightly moist. Micaceous.			
42		ML	As above with slightly higher clay content.	5	12	AP-SL015-16-05 PCB Analysis
48		SW	Light brown sand, well sorted. Slightly moist.			
		ML	Dark brown to black clayey silt with organics. Slight petroleum odor. Moist.			
54		ML	Same as above	6	12	AP-SL015-16-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

LOG OF BORING SL015-17

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/24/01
Drilling Method : Hand Auger
Drilled By : Mike B.
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown silt, trace roots and clay. Dry. No odor.	1	6	AP-SL015-17-01 PCB Analysis
6		ML	Gray to brown silt. Trace roots, organics and clay. Dry-moderate.	2	6	AP-SL015-17-02 PCB Analysis
12		ML	Same as above.			
18		ML	Brown to dark brown silt. Trace organics, trace sand. Slightly higher clay content and moisture.	3	12	AP-SL015-17-03 PCB Analysis
24		ML	Same as above. Slightly higher clay and moisture content. Trace mica.			
30				4	12	AP-SL015-17-04 PCB Analysis
36		ML	Dark brown to black clayey silt. Trace fine sand, organics, mica. Moist. Slight odor.			
42		ML	Dark brown to black silt. Trace fine sand and organics. Moist. Slight odor.	5	12	AP-SL015-17-05 PCB Analysis
48		ML	Black silt, trace of fine sand and organics, and shells. Moist. Slight odor.			
54		ML	Same as above. No visible sand. Wet.	6	12	AP-SL015-17-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL015-18

U.S. Environmental Protection Agency
START- Kalamazoo River
Phase II
WO# 12634.001.001.0067.00

Date Drilled : 7/26/01
Drilling Method : Hand Auger
Drilled By : Ben M.
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown silt, trace organics and clay. Dry. No odor.	1	6	AP-SL015-18-01 PCB Analysis
6		ML	Tanish brown silt with trace organics and clay. Dry. No odor.	2	6	AP-SL015-18-02 PCB Analysis
12		ML	Same as above. Slightly higher clay content.			
18		ML	Brown silt with trace organics, clay and sand. Dry . No odor.	3	12	AP-SL015-18-03 PCB Analysis
24		ML	Same as above. Slightly moist.			
30		ML	Same as above. Slightly higher moisture content. Trace shells.	4	12	AP-SL015-18-04 PCB Analysis
36		ML	Brown clayey silt with trace fine sand and organics. Moist.			
42				5	12	AP-SL015-18-05 PCB Analysis
48		ML	Dark brown to black silt, trace sand, clay, organics and shells. Moist. Slight odor. Water encountered at 54"			
54		ML	Same as above. No clay observed. Wet.	6	12	AP-SL015-18-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL015-19

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/26/01
Drilling Method : hand auger
Drilled By : Ben M
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown Silt, trace Clay, organics, Sand, dry. No odor.	1	6	AP-SL015-19-01 PCB Analysis
6		ML	Light brown to gray Silt with trace organics, Sand. Slightly higher Clay content. Dry. No odor.	2	6	AP-SL015-19-02 PCB Analysis
12		ML	Same as above.			
18		ML	Dark brown Silt, some fine Sand. Trace Clay, mica, and organics. Dry. No odor.	3	12	AP-SL015-19-03 PCB Analysis
24		ML	Same as above. Trace shell fragments, slightly less Sand content. *Slight moisture.*			
30		ML	Same as above.	4	12	AP-SL015-19-04 PCB Analysis
36		ML	Dark brown Silt, some Clay, trace organics and fine Sand, moist. No odor.	5	6	AP-SL015-19-05 PCB Analysis
42		ML	Same as above.			
48		ML	Black Silt, trace organics, shells, Sand, high moisture content. Slight odor. Water encountered at 52"			
54		ML	Same as above. Wet.	6	12	AP-SL015-19-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

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LOG OF BORING SL015-20

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : M. Browning
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown Silt, trace organics, dry. No odor.	1	6	AP-SI015-20-01 PCB Analysis
6		ML	Smae as above. Slight moisture.	2	6	AP-SI015-20-02 PCB Analysis
12		ML	Same as above. Trace fine Sand, shells, trace organics.			
18		ML	Same as above. Less Sand content.	3	12	AP-SI015-20-03 PCB Analysis
24		ML	Brown Silt, trace organics, Clay, slight moisture.			
30		ML	Same as above. Slightly higher Clay content.	4	12	AP-SI015-20-04 PCB Analysis
36		ML	Dark brown to black Silt, trace fine Sand, organics, Clay, moist.			
42		ML	Brown Silt, some Sand, trace organics, shells, moist.	5	12	AP-SI015-20-05 PCB Analysis
		ML	Dark brown to black Silt with some Clay, trace organics, slight petroleum odor, moist.			
48		ML	Fine Sand, trace shells, tan, very moist.	6	4	AP-SI015-20-06 PCB Analysis
		ML	Dark brown to black Clayey Silt, trace fine Sand, moist.			
54		ML	Brown to black Silt, trace shells, fine Sand, organics, very moist. Water encountered at 54".	7	8	AP-SI015-20-07 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL015-21

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/24/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz/Sarah Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) :
Total Recovery (in.) : 0-48" (Auger)
: 48-54" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to gray Silt, some organic matter, dry.	1	6	AP-SL015-21-01 PCB Analysis
6		ML	Dark brown to gray Silt, trace Clay, slightly moist.	2	6	AP-SL015-21-02 PCB Analysis
12		ML	Same as above.	3	12	AP-SL015-21-03 PCB Analysis
24				4	12	AP-SL015-21-04 PCB Analysis
30		ML	Dark brown Silt, some Clay, trace mottles (red and brown), some organic matter, moist.			
36		ML	Dark brown, Clayey Silt, trace red and brown mottles, organic matter, moist.	5	6	AP-SL015-21-05 PCB Analysis
42		ML	Dark brown to yellowish brown Silty fine Sand, trace Clay, wet.	6	6	AP-SL015-21-06 PCB Analysis
48		ML	Yellowish brown fine Sand, trace Silt, some fine to coarse Gravel, wet.	7	6	AP-SL015-21-07 PCB Analysis
54			Core Completed at 54 inches bgs			
60						

LOG OF BORING SL015-22

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/24/01
Drilling Method : Hand Auger
Drilled By : Mike Browning
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown Silt with high organic content, dry.	1	6	AP-SL015-22-01 PCB Analysis
6		ML	Same as above, with slightly less organic content.	2	6	AP-SL015-22-02 PCB Analysis
12		ML	Brown Silt with traces of fine Sand and organic material, slight moisture.	3	6	AP-SL015-22-03 PCB Analysis
18		ML	Same as above with trace shells.	4	6	AP-SL015-22-04 PCB Analysis
24		ML	Same as above.	5	6	AP-SL015-22-05 PCB Analysis
30		ML	Same as above. Traces of Clay. Slightly higher moisture content.		18	AP-SL015-22-06 PCB Analysis
36		ML	Same as above. Dark brown.	6		
42		ML	Same as above with a higher Clay content.			
48			Core Completed at 48 inches bgs			
54						
60						

WESTON MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SL015-23

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By :
Logged By :
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown Silt, some organic material, dry.	1	6	AP-SL015-23-01 PCB Analysis
6		ML	Same as above, possible residuals, trace plastics.	2	6	AP-SL015-23-02 PCB Analysis
12		ML	Brown Silt, trace organics, plastic, fine Sand, possible residuals.			
18		ML	Same as above. Slightly more Sand content and moisture.	3	12	AP-SL015-23-03 PCB Analysis
24		ML	Dark brown Silt, trace fine Sand, shells, organics, Clay, slightly moist.			
30		ML	Same as above. Dark brown Silt, slightly less fine Sand content, slightly more moist.	4	12	AP-SL015-23-04 PCB Analysis
36		ML	Dark brown to black Silt, little Clay, slight petroleum odor, trace organics, shells, fine Sand, moist.			
42		ML	Brown to black Silt, trace fine Sand, some Clay, slight petroleum odor, trace organics.	5	12	AP-SL015-23-05 PCB Analysis
48		ML	Same as above. More fine Sand.			
54		ML	Fine Sand, some shells, wet.	6	12	AP-SL015-23-06 (Duplicate Sample Collected) PCB Analysis
		ML	Brown to black Silt, trace organics, slight petroleum odor, hight moisture content.			
60			Core Completed at 60 inches bgs			

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL015-24

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Mike Browning
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown Silt, trace organics, trace fine Sand, dry.	1	6	AP-SL015-24-01 PCB Analysis
6		ML	Gray brown Silt, trace organics, fine Sand, Clay, dry.	2	6	AP-SL015-24-02 PCB Analysis
12		ML	Gray brown Silt, some Clay, trace fine Sand, organics, slight moisture.			
18		ML	Same as above. Less moisture.	3	12	AP-SL015-24-03 PCB Analysis
24		ML	Gray brown Clayey Silt, moist, trace organics, trace fine Sand.			
30		ML	Gray to black Silt, some Clay, trace organics, moist.	4	12	AP-SL015-24-04 PCB Analysis
36		ML	Black Silt, slight petroleum odor, moist, slight organic content.			
42		ML	Same as above, trace Sand, shells.	5	12	AP-SL015-24-05 PCB Analysis
48		ML	Black Silt, trace shells, organics, fine Sand, Clay, wet.			
54		ML	Same as above.	6	12	AP-SL015-24-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

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LOG OF BORING SL015-25

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 07/26/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-24" (Auger)
Drilled By	: Ben M.		: 24-65" (Push)
Logged By	: J. Moreno		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown Silt, trace fine Sand and organics.	1	6	AP-SL015-25-01 PCB Analysis
6		ML	Tannish brown Silt, some Sand, trace organics, shells, Clay,and mica, dry. No odor.	2	6	AP-SL015-25-02 PCB Analysis
12		ML	Tannish brown Clayey Silt, trace organics, Sand, slight moisture, trace mica. No odor.			
18		ML	Same as above. Grayish color, slightly higher moisture content.	3	12	AP-SL015-25-03 PCB Analysis 3 inch Lexan tube with 41 inches of recovery taken from 24-65 inches.
24		ML	Grayish silth with f-m sand, some organic matter, leaf fragments, wet.			
30		ML	Gray Silt with fine to medium Sand, some organic matter, wet.	4	12	AP-SL015-25-04 (Duplicate Sample Collected) PCB Analysis
36		ML	Black Clayey Silt with organic matter, wet. 48.8 Same as above	5	12	AP-SL015-25-05 PCB Analysis
48		ML		6	17	AP-SL015-25-06 PCB Analysis
54						
60						
66			Core Completed at 65 inches bgs			

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WESTON
MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SL015-26

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown Silt, trace organic matter, dry.	1	6	AP-SL015-26-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL015-26-02 PCB Analysis
12		ML	Same as above and trace Clay, shell fragments.	3	12	AP-SL015-26-03 PCB Analysis
24		ML	Same as above.			
30		ML	Brown Silt, trace organic matter, shell fragments, moist.	4	6	AP-SL015-26-04 PCB Analysis
36		ML	Brown fine to medium Silty Sand, some shell fragments, moist to wet.			
42		ML	Black Clayey Silt with some Sand and trace organic matter, gray mottles, wooded fragments, moist.	5	12	AP-SL015-26-05 PCB Analysis
48		ML	Black to gray Clayey Silt with trace fine to medium Sand, shell fragments, moist to wet.	6	12	AP-SL015-26-06 PCB Analysis
60			Core Completed at 60 inches bgs			

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LOG OF BORING SL015-27A

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown to gray Silt, trace organic matter, dry.	1	6	AP-SL015-27-01 PCB Analysis
6		ML	Brown Silt with red and brown mottles, trace organic matter and Clay, dry, angular.	2	6	AP-SL015-27-02 PCB Analysis
12		ML	Same as above.			
18		ML	Same as above. Slightly moist.	3	12	AP-SL015-27-03 PCB Analysis
24		ML	Dark brown Silt with some Clay and organic matter, moist.			
30		ML	Same as above.	4	12	AP-SL015-27-04 PCB Analysis
36		ML	Dark brown Clayey Silt with red and brown mottles, trace fine Sand and organic matter, moist.	5	10	AP-SL015-27-05 (Duplicate Sample Collected) PCB Analysis
42		ML	Dark brown Silt with red and brown mottles, Sand, wet.			
48		ML	Brown to light brown Silty Sand, wet.	6	14	AP-SL015-27-06 PCB Analysis
54		ML	Brown to yellowish brown fine Sand with some Silt, wet.			
60			Core Completed at 60 inches bgs			
66						

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL015-28

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz/Sarah Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to gray Silt, trace fine Sand, organic matter, red and brown mottles, dry.	1	6	AP-SL015-28-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL015-28-02 PCB Analysis
12		ML	Brown Silt, trace Clay and organic matter, red and brown mottles, dry.	3	12	AP-SL015-28-03 PCB Analysis
18		ML	Same as above.			
24		ML	Same as above.	4	12	AP-SL015-28-04 PCB Analysis
30		ML	Same as above.			
36		ML	Same as above. Slightly moist.			
42		ML	Dark brown to yellowish brown fine to medium Sand with trace Silt, some shell fragments and fine to medium Gravel, wet.	5	2	AP-SL015-28-05 PCB Analysis
		ML	Black to gray mottled Clayey Silt, moist to wet, slight odor.	6	4	AP-SL015-28-06 (Duplicate Sample COllected) PCB Analysis
48		ML	Dark gray to brown fine to medium Silty Sand, wet.	7	12	AP-SL015-28-07 PCB Analysis
		ML	Dark gray to black fine Silty Sand, wet.			
54		ML	Gray fine to medium Sand with some Silt, wet.			
60			Core Completed at 60 inches bgs			
66						

LOG OF BORING SL015-29

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz/Sarah Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 34

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown Silt, trace Clay and organic matter, platy structure, dry.	1	6	AP-SL015-29-01 PCB Analysis
6		ML	Brown to grayish brown Silt, trace Clay and organic matter, granular, dry.	2	6	AP-SL015-29-02 PCB Analysis
12		ML	Brown to gray Silt, trace Clay, platy, dry.	3	6	AP-SL015-29-03 PCB Analysis
18		ML	Reddish brown fine Sand with Silt, some fine to coarse Gravel, dry.	4	6	AP-SL015-29-04 PCB Analysis
24		ML	Same as above. Less coarse Gravel.	5	10	AP-SL015-29-05 PCB Analysis
30		ML	Same as above.			
		GM	Cobbles. Refusal.			
36			Core Completed at 34 inches bgs			
42						

LOG OF BORING SL015-30

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz/Sarah Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to gray Silt, trace organic matter, red and black mottles, dry.	1	6	AP-SL015-30-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL015-30-02 PCB Analysis
12		ML	Dark brown to gray Silt, trace Clay and organic matter, slightly moist.	3	12	AP-SL015-30-03 PCB Analysis
24		ML	Same as above. Trace Clay, increasing throughout interval	4	9	AP-SL015-30-04 PCB Analysis
30						
36		SM	Dark brown to yellowish brown Silty Sand, trace Clay, moist.	5	3	AP-SL015-30-05 PCB Analysis
42		SM	Brown to yellowish brown Silty fine Sand, wet, fine Gravel.	6	12	AP-SL015-30-06 PCB Analysis
48		SP	Brown to yellowish brown fine to medium Sand with trace fine Gravel, wet.	7	12	AP-SL015-30-07 (Duplicate Sample Collected) PCB Analysis
54						
60			Core Completed at 60 inches bgs			
66						

WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL015-31

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Ben Maradkel
Logged By : S. Moreno
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in.) : 0-36" (Auger)
: 36-70" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray brown Silt, trace organics, trace residual material, dry.	1	6	AP-SL015-31-01 PCB Analysis
6		ML	Same as above. Trace plastics.	2	6	AP-SL015-31-02 PCB Analysis
12		ML	Gray brown Silt, trace Sand, trace organics, trace fines, slightly moist, possible residual fines.			
18		ML	Same as above. Less Sand, slightly higher moisture content.	3	12	AP-SL015-31-03 PCB Analysis
24		ML	Gray Silt, trace fine Sand, wet.			
		ML	Dark brown to black Silt, trace organics, trace fine Sand, wet, strong petroleum odor, some Clay.			
30		ML	Black Silt, trace fine Sand, trace organics, wet.	4	12	AP-SL015-31-04 (Duplicate Sample Collected) PCB Analysis
36		ML	Gray to Black fine to medium Silty Sand, wet with organic matter.			
42		ML	Black Clayey Silt with organic matter, wet.	5	12	AP-SL015-31-05 (Duplicate Sample Collected) PCB Analysis Lexan core pushed from 36-70", 34" recovered.
48						
54				6	12	AP-SL015-31-06 PCB Analysis
60						
66				7	10	AP-SL015-31-07 PCB Analysis
72			Core Completed at 70 inches bgs			
78						

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LOG OF BORING SL015-32

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Joe/Hiedi
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray brown Silt, trace organic matter, dry.	1	6	AP-SL015-32-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL015-32-02 PCB Analysis
12		ML	Gray brown Silt with red and black mottles, trace Clay and trace fine Sand and organic matter, dry, moist.			
18		ML	Same as above with a little more Clay, slightly moist.	3	12	AP-SL015-32-03 PCB Analysis
24		ML	Gray to brown Silt with some Clay, trace organic matter, dry.			
30		ML	Same as above. Slightly more Clay, moist.	4	12	AP-SL015-32-04 (Duplicate Sample Collected) PCB Analysis
36		ML	Black to gray Clayey Silt, slight sheen and odor, wet.			
42		ML	Same as above.	5	12	AP-SL015-32-05 PCB Analysis
48		ML	Black Clayey Silt, trace fine Sand, fine Gravel, and shell fragments. Wet.			
54				6	12	AP-SL015-32-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

LOG OF BORING SL015-33

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/25/01
Drilling Method : Hand Auger
Drilled By : Mike Browning
Logged By : J. Moreno
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown Silt, trace organics, dry. No odor.	1	6	AP-SL015-33-01 PCB Analysis
6		ML	Dark brown Silt, trace fine Sand, trace organics, dry.	2	6	AP-SL015-33-02 PCB Analysis
12		ML	Same as above. Trace shells.			
18		ML	Same as above. Slight moisture.	3	12	AP-SL015-33-03 PCB Analysis
24		ML	Same as above. Slightly less organic content. Worm present.			
30		ML	Same as above. Trace Clay.	4	12	AP-SL015-33-04 PCB Analysis
36		ML	Dark brown Silt, trace organics, trace shells, slight moisture slightly micaceous.			
42		ML	Same as above. Slightly higher moisture content.	5	12	AP-SL015-33-05 PCB Analysis
48		ML	Dark brown Silt, trace shells, some Clay, trace fine Sand, moist.			
54		ML	Dark brown to black Silt, some Clay, trace shells, trace black vitrious fragments, petroleum odor, slightly higher moisture content.	6	12	AP-SL015-33-06 PCB Analysis
60			Core Completed at 60 inches bgs			
66						

GRID 2

SL029

WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL029-01

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Mike Browning
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, some sand, trace organic matter, clay, slight odor, slightly moist.	1	6	AP-SL029-01-01 PCB Analysis
6		SP	Light brown fine SAND, trace silt and clay, organic matter, shells, slight odor, moist.	2	6	AP-SL029-01-02 PCB Analysis
12		SP	Same as above. brown, trace slag.	3	6	AP-SL029-01-03 PCB Analysis
18		ML	Dark brown SILT, some fine sand, trace organic matter, clay and shell fragments, slight odor, slightly moist.	4	6	AP-SL029-01-04 PCB Analysis
24		ML	Dark brown clayey SILT, trace organic matter and shells, slight odor, moist.		6	
30		ML	Same as above. sand lens encountered at 33"-34", tan fine sand, slight odor, moist.	5	6	AP-SL029-01-05 (Duplicate Sample Collected) PCB Analysis
36		ML	Dark brown clayey SILT, trace sand and organic matter, shells, slight odor, moist.		6	
42		ML	Same as above.	6	6	AP-SL029-01-06 PCB Analysis
48		ML	Dark brown sandy SILT, trace organic matter, shell fragments, sand, slight odor, moist	7	6	AP-SL029-01-07 PCB Analysis
54		ML	Black sandy SILT, trace organic matter, shells, poorly sorted rounded to sub-rounded gravel, moist.	8	6	AP-SL029-01-08 PCB Analysis
60			Core completed at 60 inches bgs.			
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WESTON MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SL029-02

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in) 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, trace clay and organic matter, faint odor, slightly moist.	1	6	AP-SL029-02-01 PCB Analysis
6		ML	Dark brown sandt SILT, trace organic matter and shell fragments, faint odor, slightly moist.	2	6	AP-SL029-02-02 PCB Analysis
12		ML	Same as above.		6	
18		ML	Same as above, some clay.	3	6	AP-SL029-02-03 PCB Analysis
24		ML	Same as above, moist.		6	
30		ML	Same as above. sand lens encountered at 32"-33", tan fine sand, trace coarse gravel (rounded to subrounded).	4	6	AP-SL029-02-04 PCB Analysis
36		ML	Tan to dark brown sandy SILT, trace clay, organic matter and shells, slight odor, moist.	5	6	AP-SL029-02-05 (Duplicate Sample Collected) PCB Analysis
42		ML	Dark brown to black clayey SILT, trace sand, shells and organic matter, slight odor, moist.	6	6	AP-SL029-02-06 PCB Analysis
48		ML	Same as above, slightly higher sand content.	7	6	AP-SL029-02-07 PCB Analysis
54		ML	Black sandy SILT, trace organics, shells and poorly sorted gravel (rounded to subrounded), trace wood, faint odor, moist. bottom is dark brown silty sand.	8	6	AP-SL029-02-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-03

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace sand and organic matter, trace clay, faint odor, dry.	1	6	AP-SL029-03-01 PCB Analysis
6		ML	Same as above, slightly more sand, slightly moist.		2	
		SW	Light brown SAND (fine grained, well sorted), trace organic matter, moist.	2	2	AP-SL029-03-02 PCB Analysis
		ML	Dark brown SILT, trace sand and organic matter (wood), trace clay, no odor, moist.		2	
12		ML	Same as above.		6	
18		ML	Same as above, slightly less sand, some clay.	3	6	AP-SL029-03-03 PCB Analysis
24		SP	Light brown fine SAND, some silt, trace clay and shells, faint odor, moist.		6	
30		SP	Same as above, slightly higher clay content.	4	6	AP-SL029-03-04 (Duplicate Sample Collected) PCB Analysis
36		SP	Same as above.	5	8	AP-SL029-03-05 PCB Analysis
42		ML	Dark brown clayey SILT, trace organic matter, fine sand, slight odor, moist.	6	4	AP-SL029-03-06 PCB Analysis
48		ML	Dark brown SILT, trace clay, fine sand, organic matter, shells, slight odor, moist.	7	6	AP-SL029-03-07 PCB Analysis
54		SM	Dark brown to black silty SAND, trace organic matter, shells and poorly sorted gravel (rounded to subrounded), slight odor, moist.	8	6	AP-SL029-03-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-04

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Mike Browning
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light gray SILT, roots, living creatures, no odor, dry.	1	6	AP-SL029-04-01 PCB Analysis
6		SP	Light gray fine SAND with trace silt, some roots, living creatures.	2	6	AP-SL029-04-02 PCB Analysis
12		SP	Same as above.	3	6	AP-SL029-04-03 PCB Analysis
18		ML	Brown to gray SILT with sand, roots, no odor, dry.	4	6	AP-SL029-04-04 PCB Analysis
24		ML	Same as above.		6	
30		SP	Tan SAND, shells, calcified object.	5		AP-SL029-04-05 PCB Analysis
		ML	Brown gray SILT with sand, no odor.		6	
36		ML	Brown SILT with some tan sand, shells, fine roots, slight odor.		6	
42				6		AP-SL029-04-06 PCB Analysis
					6	
48		ML	Black SILT with some clay and dark brown sand, trace organic matter, roots, shells, trace m-c gravel, slight odor, moist.	7	6	AP-SL029-04-07 (Duplicate Sample Collected) PCB Analysis
54		SP	Black SAND, shells, trace poorly sorted gravel, some silt, faint odor, very moist.	8	6	AP-SL029-04-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-05

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray SILT, many roots, wood pieces, no odor, dry.	1	6	AP-SL029-05-01 PCB Analysis
6		ML	Light brown-gray sandy SILT, roots, wood pieces, shells.	2	6	AP-SL029-05-02 PCB Analysis
12		ML	Light brown sandy SILT, roots, wood pieces, no odor.	3	6	AP-SL029-05-03 PCB Analysis
18		ML	SILT with trace sand, wood pieces, roots, no odor.	4	6	AP-SL029-05-04 PCB Analysis
24		ML	Brown SILT with trace sand, trace organic matter, no odor.	5	12	AP-SL029-05-05 (Duplicate Sample Collected) PCB Analysis
36		ML	Black SILT with traces of reddish-brown sand mottled with gray silt, organic matter, moist.	6	12	AP-SL029-05-06 PCB Analysis
48		SP	Dark brown SAND with gravel, trace organic matter, no odor, moist.			
54			Core completed at 57 inches bgs.			
60						
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72						

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LOG OF BORING SL029-06

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates .

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Light gray silty SAND, shells, fine roots, no odor, dry.	1	6	AP-SL029-06-01 PCB Analysis
6		SM	Same as above.	2	6	AP-SL029-06-02 PCB Analysis
12		ML	Brown sandy SILT, roots, no odor, slightly moist.	3	12	AP-SL029-06-03 PCB Analysis
24		ML	Brown sandy SILT, no odor, dry.	4	12	AP-SL029-06-04 PCB Analysis
30		SP	Light brown coarse SAND, shells, no odor, moist.			
36		ML	Light brown SAND with silt, shells, no odor, moist.	5	6	AP-SL029-06-05 PCB Analysis
42		ML	Brown SILT with trace sand and trace clay, roots, wood pieces, no odor.	6	6	AP-SL029-06-06 PCB Analysis
48		ML	Black SILT, organic odor, moist.	7	6	AP-SL029-06-07 PCB Analysis
54		SP	Black SAND with coarse sand and silt, gravel, some rocks, slight odor, saturated.	8	6	AP-SL029-06-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-07

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Ruiz / Browning
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light gray sandy SILT, fine roots, no odor, dry.	1	6	AP-SL029-07-01 PCB Analysis
6		SM	Light gray silty SAND, fine roots, no odor, dry.	2	6	AP-SL029-07-02 PCB Analysis
12		ML	Light gray SILT, slag, shells, wood pieces, fine roots, no odor, dry.	3	12	AP-SL029-07-03 (Duplicate Sample Collected) PCB Analysis
24		SP	Light brown SAND, trace silt, fine roots, shells, live creatures, no odor, moist.	4	12	AP-SL029-07-04 PCB Analysis
36		ML	Brown SILT, trace clay, fine roots, shells, no odor.	5	12	AP-SL029-07-05 PCB Analysis
48		ML	Black SILT with brown sand, wood chips, organic odor, moist.	6	12	AP-SL029-07-06 PCB Analysis
60			Core completed at 60 inches bgs.			
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72						

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LOG OF BORING SL029-08

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT with trace fine sand and clay, organic matter, dry.	1	6	AP-SL029-07-01 PCB Analysis
6		ML	Dark brown fine sandy SILT with trace organic matter and clay, dry.	2	6	AP-SL029-07-02 PCB Analysis
12		ML	Dark brown and red mottled SILT with little clay and trace organic matter, dry.	3	12	AP-SL029-07-03 PCB Analysis
24		ML	Same as above.	4	6	AP-SL029-07-04 PCB Analysis
30		ML	Brown SILT with fine sand, shell fragments, trace organic matter and clay, slightly moist.	5	12	AP-SL029-07-05 (Duplicate Sample Collected) PCB Analysis
36		ML	Same as above.			
42		ML	Dark brown and mottled black/red clayey SILT, trace organic matter and fine sand, moist.	6	6	AP-SL029-07-06 PCB Analysis
48		ML	Black organic SILT with wood/leaf fragments, moist.	7	6	AP-SL029-07-07 PCB Analysis
54		SM	Black silty f-m SAND with shells and wood fragments.	8	6	AP-SL029-07-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL029-09

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray brown SILT with trace sand,shells, wood chips, many roots, earthy odor, dry.	1	6	AP-SL029-09-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL029-09-02 PCB Analysis
12		ML	Same as above, more moisture.	3	12	AP-SL029-09-03 PCB Analysis
24		ML	Same as above with trace clay.	4	6	AP-SL029-09-04 PCB Analysis
30		SM	Gray and light brown silty SAND, wood chips, fine roots, no odor, slightly moist.	5	6	AP-SL029-09-05 PCB Analysis
36		ML	Brown SILT with trace clay mottled with red and tan sand, roots, moist.	6	12	AP-SL029-09-06 PCB Analysis
48		ML	Same as above.	7	6	AP-SL029-09-07 PCB Analysis
54		ML	Black SILT, organic odor.	8	6	AP-SL029-09-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-10

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Ruiz / Browning
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Gray brown silty SAND, roots, shells, no odor.	1	6	AP-SL029-10-01 PCB Analysis
6		SM	Light gray - brown silty SAND with coarse granules, roots, no odor.	2	6	AP-SL029-10-02 PCB Analysis
12		SM	Same as above.			
18		ML	Gray brown sandy SILT, fine roots, live creatures, no odor.	3	12	AP-SL029-10-03 PCB Analysis
24		ML	Gray brown sandy SILT, shells, no odor.	4	6	AP-SL029-10-04 PCB Analysis
30		SP	Tan SAND mottled with red sand, no odor, moist.	5	6	AP-SL029-10-05 PCB Analysis
36		SM	Light brown silty SAND with trace clay, shells, pockets of red sand, slight organic odor, slightly moist.	6	12	AP-SL029-10-06 (Duplicate Sample Collected) PCB Analysis
48		SP	Light brown SAND mottled with red sand and black silt, organic odor.	7	6	AP-SL029-10-07 PCB Analysis
54		SP	Black SAND, rocks, gravel, slight odor, saturated.	8	6	AP-SL029-10-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

WESTON MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SL029-12

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace fine sand, organic matter (wood), clay, faint odor, slightly moist.	1	6	AP-SL029-12-01 PCB Analysis
6		ML	Same as above, slightly higher clay content.	2	6	AP-SL029-12-02 PCB Analysis
12		ML	Same as above, slightly less sand.	3	6	AP-SL029-12-03 PCB Analysis
18		ML	Dark brown clayey SILT, trace organic matter, fine sand, slight odor, moist.	4	6	AP-SL029-12-04 PCB Analysis
24		ML	Same as above, trace shell fragments.		6	
30		ML	Same as above, slightly higher clay content.	5	6	AP-SL029-12-05 PCB Analysis
36		ML	Same as above.		6	
42		ML	Same as above, dark brown to black.	6	6	AP-SL029-12-06 (Duplicate Sample Collected) PCB Analysis
48		SP	Dark brown fine SAND, trace silt, shells, no odor, wet.		6	
54		SP	Same as above, saturated.	7	6	AP-SL029-12-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-13

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT with some fine sand, trace organic matter and angular gravel, dry.	1	6	AP-SL029-13-01 PCB Analysis
6		ML	Same as above with shells.	2	6	AP-SL029-13-02 PCB Analysis
12		ML	Same as above.	3	12	AP-SL029-13-03 PCB Analysis
24		SP	Brown fine SAND, wood pieces, roots, shells, slightly moist.	4	6	AP-SL029-13-04 PCB Analysis
30		SP	Brown m-c SAND with silt, roots, shells, slightly moist.	5	4	AP-SL029-13-05 PCB Analysis
		ML	Dark brown SILT with trace sand, roots, slightly moist.	6	2	AP-SL029-13-06 PCB Analysis
36		ML	Brown gray sandy SILT, roots, gravel, shells, wood pieces, moist.	7	12	AP-SL029-13-07 PCB Analysis
48		SP	Light brown SAND mottled with red, shells, trace silt, very moist.			
54		ML	Black SILT, trace tan sand, trace clay, wood pieces, roots, shells, strong organic odor, very moist.	8	6	AP-SL029-13-08 PCB Analysis
		SP	Black to dark gray SAND, strong odor, very moist.	9	6	AP-SL029-13-09 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL029-14

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Ben Maradkel
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, trace fine sand, organic matter, shells, slag, slight odor, slightly moist.	1	6	AP-SL029-14-01 PCB Analysis
6		SP	Light brown fine SAND, trace organic matter, shells, clay, slight odor, slightly moist.	2	6	AP-SL029-14-02 PCB Analysis
12		SP	Same as above, slightly higher moisture content.	3	6	AP-SL029-14-03 PCB Analysis
18		ML	Brown SILT, trace sand, organic matter, clay and shells, trace slag, faint odor, slightly moist.	4	6	AP-SL029-14-04 PCB Analysis
24		ML	Same as above, increase in clay.	5	6	AP-SL029-14-05 PCB Analysis
30		ML	Dark brown clayey SILT, trace sand, organic matter, shell fragments, faint odor, moist.	6	6	AP-SL029-14-06 (Duplicate Sample Collected) PCB Analysis
36		ML	Same as above, sand lens at 38-39 in.	7	6	AP-SL029-14-07 PCB Analysis
42		ML	Same as above, trace poorly sorted gravel (rounded to subrounded).	8	6	AP-SL029-14-08 PCB Analysis
48		ML	Dark brown sandy SILT, some poorly sorted gravel (rounded to subrounded) trace organic matter, faint odor, moist. shell-like fragments at 58-59 in.	9	12	AP-SL029-14-09 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-15

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/01/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown-gray SILT, trace sand, trace organic matter, roots, no odor, dry.	1	6	AP-SL029-15-01 PCB Analysis
6		SM	Brown silty SAND, no odor.			
		ML	Brown-gray SILT, trace sand, roots, wood pieces, trace clay, no odor, dry.	2	6	AP-SL029-15-02 PCB Analysis
12		ML	Brown-gray SILT with red particles, roots, wood pieces, trace clay, no odor, slightly moist.	3	12	AP-SL029-15-03 PCB Analysis
24		ML	Dark brown SILT with trace clay and sand, bugs, roots, no odor, slightly moist.	4	12	AP-SL029-15-04 (Duplicate Sample Collected) PCB Analysis
36		ML	Brown-gray SILT with tan sand, shells, fine roots, wood pieces, no odor, moist.	5	12	AP-SL029-15-05 PCB Analysis
48		ML	Black SILT with coarse sand and gravel, wood pieces, organic odor.	6	6	AP-SL029-15-06 PCB Analysis
54		SP	Brown SAND with black silt, coarse sand, organic odor, saturated.	7	6	AP-SL029-15-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-16

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown f-c SAND with trace silt, shell fragments, fine gravel, dry.	1	6	AP-SL029-16-01 PCB Analysis
6		SP	Light brown poorly graded f-m SAND with trace silt, cinders, dry.	2	6	AP-SL029-16-02 PCB Analysis
12		SP	Light brown poorly graded f-m SAND with trace silt, organic matter, cinders, dry.			
18		SP	Dark brown to brown poorly graded f-m SAND, trace cinders, wood and shell fragments, dry.	3	12	AP-SL029-16-03 PCB Analysis
24		ML	Brown SILT with trace clay,sand and shell fragments, moist.			
30		ML	Same as above. sand lens encountered at 30-31 in.	4	12	AP-SL029-16-04 PCB Analysis
36		ML	Brown SILT with trace clay and f-m sand, trace shell fragments, moist.			
42		ML		5	12	AP-SL029-16-05 PCB Analysis
48		ML	Same as above.			
54		ML	Black- mottled black/gray clayey SILT with trace fine sand, organic matter, shell fragments, f-m gravel, moist-wet.	6	12	AP-SL029-16-06 (Duplicate Sample Collected) PCB Analysis
60			*Core completed at 60 inches bgs.*			
66						
72						

LOG OF BORING SL029-17

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark gray SILT with trace clay, organic matter (wood pieces), no odor, dry.	1	6	AP-SL029-17-01 PCB Analysis
6		ML	Dark gray SILT with trace sand and clay, organic matter (wood pieces), no odor, dry.	2	6	AP-SL029-17-02 PCB Analysis
12		ML	Same as above, but light gray.	3	12	AP-SL029-17-03 PCB Analysis
24		ML	Same as above, but light gray to brown.	4	11	AP-SL029-17-04 (Duplicate Sample Collected) PCB Analysis
36		SP	Brown SAND with trace silt, shells, wood pieces, no odor.	5	7	AP-SL029-17-05 PCB Analysis
42		ML	Dark gray SILT with trace sand and clay, organic matter (wood pieces), moist.	6	6	AP-SL029-17-06 PCB Analysis
48		ML	Dark gray to black SILT, trace sand, wood pieces, organic odor, moist.	7	12	AP-SL029-17-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-18

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : Ben Maradkel
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace organic matter, slight odor, slightly moist..	1	6	AP-SL029-18-01 PCB Analysis
6		ML	Same as above, little sand.	2	6	AP-SL029-18-02 PCB Analysis
12		ML	Same as above, trace clay.	3	6	AP-SL029-18-03 PCB Analysis
18		ML	Same as above.	4	6	AP-SL029-18-04 PCB Analysis
24		ML	Same as above, some sand and clay.	5	6	AP-SL029-18-05 PCB Analysis
30		SM	Dark brown silty SAND, trace organic matter and clay, moist.	6	6	AP-SL029-18-06 PCB Analysis
36		SP	Tan fine poorly sorted SAND, trace organic matter and fine subangular gravel, no odor, moist.	7	6	AP-SL029-18-07 PCB Analysis
42		SP	Same as above.	8	6	AP-SL029-18-08 PCB Analysis
48		SP	Tan poorly sorted SAND, trace subangular poorly sorted gravel, trace cobble, no odor, wet.	9	6	AP-SL029-18-09 PCB Analysis
54		SP	Same as above.	10	6	AP-SL029-18-10 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-19

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Maradkel / Lesniak
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown-gray SILT with trace clay, organic matter, dry.	1	6	AP-SL029-19-01 PCB Analysis
6		ML	Brown SILT with trace fine sand and clay, organic matter, dry.	2	6	AP-SL029-19-02 PCB Analysis
12		ML	Brown SILT with trace clay, fine gravel and organic matter, dry.	3	12	AP-SL029-19-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Brown SILT with trace clay, fine sand, organic matter and shell fragments, dry.	4	12	AP-SL029-19-04 PCB Analysis
36		ML	Brown and mottled yellow-brown SILT with silty fine sand, trace shell fragments, dry.	5	6	AP-SL029-19-05 PCB Analysis
42		ML	Gray-green and mottled black SILT with some clay, trace organic matter, moist.	6	6	AP-SL029-19-06 PCB Analysis
48		ML	Brown-gray with mottled black clayey SILT, organic matter (leaf and wood fragments), f-m gravel, moist.	7	6	AP-SL029-19-07 PCB Analysis
54		SM	Dark brown to black silty SAND with trace f-c gravel.			
		GM	Dark brown to black silty GRAVEL with some f-c sand, trace organic matter and shell fragments, wet.	8	6	AP-SL029-19-08 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL029-20A

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 07/31/01	Borehole Diameter (in.)	4
Drilling Method	: Hand Auger	Total Recovery (in.)	: 60
Drilled By	: Maradkel / Lesniak		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown-gray SILT with trace organic matter and shell fragments, dry.	1	6	AP-SL029-20-01 PCB Analysis
6		SM	Brown silty fine SAND with trace clay, organic matter, dry.	2	6	AP-SL029-20-02 PCB Analysis
12		SM	Same as above, more shell fragments.	3	6	AP-SL029-20-03 PCB Analysis
18		ML	Dark brown to brown SILT, mottled red/black, little clay, organic matter, dry.	4	6	AP-SL029-20-04 PCB Analysis
24		ML	Same as above.		6	
30		ML	Dark brown SILT with trace clay, thin lens of fine sand, moist.			
36		ML	Same as above, increased shell fragments, little clay.	5	12	AP-SL029-20-05 PCB Analysis
42		ML	Brown mottled SILT with some clay, trace organic matter, moist.	6	6	AP-SL029-20-06 PCB Analysis
		ML	Black-gray clayey SILT with organic matter (leaf/wood fragments), shells, f-m gravel, moist.			
48		SM				
54		SM	Black-gray silty SAND with shell fragments, fine gravel, wet.	7	12	AP-SL029-20-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL029-21

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in) 4
Total Recovery (in) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT with little f-m sand and trace organic matter, shell fragments, dry.	1	6	AP-SL029-21-01 PCB Analysis
6		SM	Brown silty SAND, f-m sand, trace silt, organic matter, shell fragments, dry.	2	6	AP-SL029-21-02 PCB Analysis
12		SM	Dark brown SILT with fine sand and trace organic matter, moist.	3	12	AP-SL029-21-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Brown SILT with trace fine sand, organic matter and shell fragments, moist.			
30		SP	Dark brown mottled f-m SAND with trace silt, fine gravel, wet.	4	12	AP-SL029-21-04 PCB Analysis
36		SP	Black poorly graded f-m SAND with trace silt, organic matter (wood fragments), shell fragments.	5	12	AP-SL029-21-05 PCB Analysis
48		SW	Gray well graded f-c SAND with common shell fragments, trace fine gravel, wet.	6	12	AP-SL029-21-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-22

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown fine SAND with trace silt, organic matter, dry..	1	6	AP-SL029-22-01 PCB Analysis
6		SP	Brown poorly graded f-m SAND with trace silt and shell fragments, dry.	2	6	AP-SL029-22-02 PCB Analysis
12		SP	Brown fine SAND with some fine silt, trace clay, dry.			
18		ML	Dark brown SILT with little fine sand, trace clay, dry.	3	12	AP-SL029-22-03 PCB Analysis
24		ML	Dark brown SILT with trace fine sand and clay, organic matter, slightly moist. slightly more clay with depth.	4	12	AP-SL029-22-04 PCB Analysis
36		ML	Dark brown SILT with trace fine sand and clay, organic matter, slightly moist.	5	12	AP-SL029-22-05 PCB Analysis
48		ML	Black clayey SILT with trace fine sand, moist-wet.	6	12	AP-SL029-22-06 (Duplicate Sample Collected) PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-23A

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Maradkel / Lesniak
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown-brown SILT with some fine sand, trace organic matter, dry.	1	6	AP-SL029-23-01 PCB Analysis
6		ML	Brown-gray SILT with trace fine sand and clay, organic matter, shell fragments, dry.	2	6	AP-SL029-23-02 PCB Analysis
12		SM	Brown-light brown silty fine SAND with trace organic matter, shell fragments, dry.	3	6	AP-SL029-23-03 PCB Analysis
18		ML	Dark brown-brown SILT with trace clayand fine sand, trace organic matter, dry.	4	12	AP-SL029-23-04 PCB Analysis
30		SP	Yellow-brown f-m SAND, trace silt, organic matter, shell fragments, dry.	5	6	AP-SL029-23-05 PCB Analysis
36		ML	Dark brown-brown mottled SILT with little clay, trace fine sand and organic matter, shell fragments, moist.	6	12	AP-SL029-23-06 (Duplicate Sample Collected) PCB Analysis
48		ML	Brown-mottled red-brown SILT with some clay, trace sand, organic matter, shell fragments, moist.	7	11	AP-SL029-23-07 PCB Analysis
54		SP	Yellow-brown and red-brown fine SAND with silt, some clay, moist-wet.			
60		ML	Black organic clayey SILT with leaf/wood fragments.	8	1	AP-SL029-23-08 PCB Analysis
			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL029-24

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light gray silty CLAY, trace organic matter, roots, no odor, dry.	1	6	AP-SL029-24-01 PCB Analysis
6		ML	Light gray sandy SILT with some clay, organic matter (wood pieces), roots, no odor, dry.	2	6	AP-SL029-24-02 PCB Analysis
12		ML	Same as above with slightly more clay.	3	12	AP-SL029-24-03 PCB Analysis
24		ML	Dark gray SILT with clay, few roots, wood pieces, no odor, moist.	4	12	AP-SL029-24-04 PCB Analysis
36		ML	Same as above.	5	6	AP-SL029-24-05 PCB Analysis
42		ML	Dark gray SILT with tan sand, wood pieces, strong organic odor.	6	12	AP-SL029-24-06 (Duplicate Sample Collected) PCB Analysis
54		ML	Black SILT, leaves, wood pieces, roots, strong organic odor.	7	6	AP-SL029-24-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

WESTON
MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL029-25

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Maradkel / Lesniak
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray-brown SILT with trace clay and organic matter, dry.	1	6	AP-SL029-25-01 PCB Analysis
6		ML	Gray-brown SILT with trace clay, fine sand and organic matter, dry.	2	6	AP-SL029-25-02 PCB Analysis
12		ML	Dark brown SILT with trace-little clay, trace organic matter, slightly moist.	3	12	AP-SL029-25-03 (Duplicate Sample Collected) PCB Analysis
24		SM	Brown to reddish-brown silty SAND, trace gray silt and clay, organic matter, dry.	4	12	AP-SL029-25-04 PCB Analysis
36		SP	Yellowish-brown poorly graded f-m SAND, trace gray silt, fine gravel, organic matter, wet.	5	12	AP-SL029-25-05 PCB Analysis
42		SP	*Same as above.*			
48		SP	Same as above.	6	12	AP-SL029-25-06 PCB Analysis
60			*Core completed at 60 inches bgs.*			
66						
72						

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL029-26

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : Ben Maradkel
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark tan SAND with trace silt, trace organic matter, shells and fine gravel.	1	6	AP-SL029-26-01 PCB Analysis
6		SP	Same as above.	2	6	AP-SL029-26-02 PCB Analysis
12		ML	Dark tan SILT with trace sand, clay, organic matter, no odor, moist.	3	6	AP-SL029-26-03 PCB Analysis
18		ML	Same as above, slightly more clay.	4	6	AP-SL029-26-04 PCB Analysis
24		ML	Same as above.	5	6	AP-SL029-26-05 PCB Analysis
30		ML	Same as above, some clay.	6	6	AP-SL029-26-06 PCB Analysis
36		SP	Dark brown fine SAND, trace organic matter, faint odor, moist.	7	6	AP-SL029-26-07 PCB Analysis
42		SP	Tan fine SAND, trace organic matter, silt, no odor, moist.	8	6	AP-SL029-26-08 PCB Analysis
48		SP	Same as above.	9	6	AP-SL029-26-09 PCB Analysis
54		SP	Same as above.	10	6	AP-SL029-26-10 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-27

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark brown fine SAND with trace organic matter, dry.	1	6	AP-SL029-27-01 PCB Analysis
6		SP	Same as above.			
		ML	Dark brown SILT with fine sand, trace organic matter and clay, dry.	2	6	AP-SL029-27-02 PCB Analysis
12		SP	Brown fine SAND with silt, trace organic matter and clay, dry.			
18		ML	Dark brown SILT with trace fine sand, clay and organic matter, dry.	3	12	AP-SL029-27-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Dark brown SILT with little clay, trace fine sand and organic matter, slightly moist.	4	6	AP-SL029-27-04 PCB Analysis
30		SP	Brown to yellowish brown f-m SANDwith trace silt, organic matter, shell fragments and coarse gravel, moist-wet.	5	6	AP-SL029-27-05 PCB Analysis
36		SP	Same as above.			
42		ML	Black clayey SILT, moist.		7	
		SP	Black f-c SAND with trace silt, some f-c gravel, wet.	6	5	AP-SL029-27-06 PCB Analysis
48		ML	Black sandy SILT with shells, fine gravel and clay, wet			
54		ML	Gray sandy SILT with trace shell fragments and clay, wet.	7	12	AP-SL029-27-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL029-28

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : Ben Maradkel
Logged By : Jose Moreno
X, Y Coordinates

Borehole Diameter (in.) 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark grayish brown fine SAND, some silt, trace organic matter and shells, faint odor, moist	1	6	AP-SL029-28-01 PCB Analysis
6		SP	Same as above, trace silt.	2	6	AP-SL029-28-02 PCB Analysis
12		ML	Tannish-dark brown SILT, some sand, trace clay.	3	6	AP-SL029-28-03 PCB Analysis
18		ML	Same as above, some clay, trace shells.	4	6	AP-SL029-28-04 PCB Analysis
24		ML	Dark tannish-brown clayey SILT, trace sand and organic matter, moist.	5	6	AP-SL029-28-05 PCB Analysis
30		SM	Dark tan to reddish brown silty SAND, trace organic matter and clay, faint odor, moist.	6	6	AP-SL029-28-06 PCB Analysis
36		SM	Same as above, trace shell fragments.	7	6	AP-SL029-28-07 PCB Analysis
42		SP	Tan fine SAND with trace organic matter, no odor, moist.	8	6	AP-SL029-28-08 PCB Analysis
48		SP	Same as above, trace fine gravel.	9	6	AP-SL029-28-09 PCB Analysis
54		SP	Same as above.	10	6	AP-SL029-28-10 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-29

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT with trace fine sand, trace clay, trace organic matter, dry.	1	6	AP-SL029-29-01 PCB Analysis
6		SP	Brown f-m SAND with trace silt, some fine gravel, trace shell fragments, dry.	2	6	AP-SL029-29-02 PCB Analysis
12		SP	Brown-black f-c SANDwith f-c gravel, burnt coal (clinkers), shell fragments, dry.	3	12	AP-SL029-29-03 PCB Analysis
24		SP	Same as above, trace fine gravel.			
30		SP	Gray f-c SAND with trace silt, shell fragments, wood fragments, wet.	4	12	AP-SL029-29-04 PCB Analysis
36		SP	Brown f-c SAND with shell fragments, organic matter, coal and fine gravel, moist-wet.			
42		SP	Same as above, moist.	5	12	AP-SL029-29-05 PCB Analysis
48		SP	Brown-gray f-c SAND with shell fragments, f-m gravel, rubber debris, wet.	6	12	AP-SL029-29-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-30

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Maradkel / Lesniak
Logged By : Nemeth / Lannon
X, Y Coordinates :

Borehole Diameter (in.): 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray-brown SILT, trace clay, small roots, wood pieces, no odor, dry.	1	6	AP-SL029-30-01 PCB Analysis
6		ML	Sandy SILT with 10% clay, small roots, some wood pieces, brown sand, gray silt, no odor, moist.	2	6	AP-SL029-30-02 PCB Analysis
12		CL	Same as above, except silty CLAY.	3	12	AP-SL029-30-03 PCB Analysis
24		ML	Brown - dark brown SILT with trace clay, fine sand, organic matter, slightly moist. slight increase in clay with depth.	4	12	AP-SL029-30-04 (Duplicate Sample Collected) PCB Analysis
36		SP	Yellowish-brown fine SAND with little brown silt, trace organic matter, moist.	5	7	AP-SL029-30-05 PCB Analysis
42		ML	Black clayey SILT with organic matter(leaf/wood fragments), moist-wet.	6	5	AP-SL029-30-06 PCB Analysis
48		ML	Gray to black sandy SILT with trace f-m gravel and shell fragments, wet.			
54		SM	Gray to black silty SAND with trace organic matter, shell fragments and f-m gravel, wet.	7	12	AP-SL029-30-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL029-31

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light gray SILT, trace clay, wood pieces, no odor, dry.	1	6	AP-SL029-31-01 PCB Analysis
6		ML	Same as above, increased moisture.	2	6	AP-SL029-31-02 PCB Analysis
12		ML	Same as above, brownish tint.	3	12	AP-SL029-31-03 PCB Analysis
24		ML	Same as above	4	12	AP-SL029-31-04 (Duplicate Sample Collected) PCB Analysis
36		ML	Dark gray to black SILT with clay, wood pieces, leaves, organic odor, moist.	5	12	AP-SL029-31-05 PCB Analysis
48		ML	Black SILT with trace sand, organic odor, saturated at 56 in	6	12	AP-SL029-31-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL029-33

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Pnase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : Ben Maradkel
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark brown fine SAND with trace silt, trace organic matter and f-m gravel, slight organic odor, moist.	1	6	AP-SL029-33-01 PCB Analysis
6		SP	Reddish to dark brown fine SAND, trace organic matter, silt and poorly sorted gravel, slight odor, moist.	2	6	AP-SL029-33-02 PCB Analysis
12		SP	Light brown to red poorly sorted SAND, trace organic matter and poorly sorted gravel (subrounded), slight odor, moist.	3	6	AP-SL029-33-03 PCB Analysis
18		SP	Same as above.	4	6	AP-SL029-33-04 PCB Analysis
24		SP	Same as above, trace cobble.	5	6	AP-SL029-33-05 PCB Analysis
30		SP	Same as above, auger refusal at 36 in.	6	6	AP-SL029-33-06 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

LOG OF BORING SL029-34

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/30/01
Drilling Method : Hand Auger
Drilled By : Ben Maradkel
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, some sand, trace organic matter, clay and slag, slightly moist.	1	6	AP-SL029-34-01 PCB Analysis
6		ML	Same as above, trace shells.	2	6	AP-SL029-34-02 PCB Analysis
12		ML	Dark brown SILT, some clay, trace organic matter, sand and shells, no odor, moist.	3	6	AP-SL029-34-03 PCB Analysis
18		ML	Same as above.	4	6	AP-SL029-34-04 PCB Analysis
24		ML	Same as above, slightly higher clay content.	5	6	AP-SL029-34-05 PCB Analysis
30		ML	Same as above, some sand.	6	6	AP-SL029-34-06 PCB Analysis
36		SP	Dark brown SAND, some silt, trace organic matter, no odor, moist.	7	6	AP-SL029-34-07 PCB Analysis
42		SP	Tan fine SAND, trace clay, no odor, moist.	8	6	AP-SL029-34-08 PCB Analysis
48		SP	Tan poorly sorted SAND, trace fine gravel (subrounded), no odor, wet.	9	6	AP-SL029-34-09 PCB Analysis
54		SP	Same as above..	10	6	AP-SL029-34-10 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

GRID 3

SD045

LOG OF BORING SD045-01

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 40

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Light brown poorly sorted SAND, some poorly sorted gravel (subrounded), trace shells, wet.	1	6	AP-SD045-01-01 PCB Analysis
6		SP	Dark gray poorly sorted SAND(rounded to subrounded), trace poorly sorted gravel and shells, wet.	2	9	AP-SD045-01-02 PCB Analysis
12						
18		SM	Dark gray silty SAND, trace shells, organic matter and fine gravel, slight odor, moist.	3	9	AP-SD045-01-03 PCB Analysis
24		ML	Dark brown to black clayey SILT, trace organic matter and sand, slight odor, moist.	4	8	AP-SD045-01-04 PCB Analysis
30						
36		SP	Dark gray fine SAND, trace organic matter, shells, silt and f-m gravel, no odor, wet.	5	8	AP-SD045-01-05 PCB Analysis
42			Core completed at 40 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SD045-02

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	07/31/01
Drilling Method	Hand Push
Drilled By	Joe Ruiz
Logged By	Mary Lannon
X, Y Coordinates	
Borehole Diameter (in.)	3
Total Recovery (in.)	31

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GM	Gray well graded sandy GRAVEL (f-c sand, f-m gravel), trace silt, shells and organic matter (wood fragments), wet.	1	6	AP-SD045-02-01 PCB Analysis
6		GM	Same as above.	2	7	AP-SD045-02-02 PCB Analysis
12		ML	Black and gray organic SILT with some-little clay, fine sand, organic matter, shell fragments.	3	11	AP-SD045-02-03 (Duplicate Sample Collected) PCB Analysis
18						
24		ML	Gray clayey SILT with fine sand, shell fragments, wet.	4	2	
			Void Space			
30		ML	Gray sandy SILT,shell frag., organic matter(wood), wet.	5	1	
			Core completed at 31 inches bgs.			
36						
42						

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LOG OF BORING SD045-03

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 30

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GM	Brown well graded sandy GRAVEL with trace silt, organic matter (wood fragments), shell fragments, wet.	1	6	AP-SD045-03-01 PCB Analysis
6		ML	Black organic SILT with some fine sand, leaf/wood/shell fragments, wet.	2	6	AP-SD045-03-02 PCB Analysis
12		SM	Dark gray clayey SILT to 13 in., then light gray silty fine SAND with organic matter, shell fragments, wet.			
18		ML	Black organic SILT with trace fine sand, organic matter (leaf/wood fragments), wet.	3	13	AP-SD045-03-03 PCB Analysis
24		ML	Gray clayey SILT with fine sand.			
30		ML	Gray sandy SILT with trace clay and organic matter (wood/leaf fragments), shell fragments.	4	5	
36			Core completed at 30 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-04

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 35

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown f-c SAND with f-m gravel (rounded, sub angular), wet.	1	6	AP-SD045-04-01 PCB Analysis
6 12 18		SM	Black to gray silty SAND with some organic matter (leaves), shell fragments, roots, increasing silt with depth, wet.	2	14	AP-SD045-04-02 (Duplicate Sample Collected) PCB Analysis
24 30		ML	Gray sandy SILT with increasing sand with depth, some shell fragments, trace organic matter, wet.	3	12	AP-SD045-04-03 PCB Analysis
		SP	Gray f-m SAND, shell fragments, wet.	4		
36			Core completed at 35 inches bgs.		1	
42 48 54 60 66 72						

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LOG OF BORING SD045-05

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Tan to light brown poorly graded SAND, trace m-c gravel, shells, wet.	1	6	AP-SD045-05-01 PCB Analysis
6		SM	Black silty fine SAND, trace organic matter, shells and fine gravel, slight odor, wet.	2	4	AP-SD045-05-02 PCB Analysis
12		ML	Black SILT, trace organic matter and sand, slight odor, moist.	3	8	AP-SD045-05-03 PCB Analysis
18		ML	Dark brown to gray SILT, some fine sand, trace shells and organic matter, wet.	4	8	AP-SD045-05-04 PCB Analysis
24						
30		SP	Dark gray SAND with silt, trace organic matter, shell fragments, wet.	5	10	AP-SD045-059-05 PCB Analysis
36		SP	Light gray to tan poorly graded f-m SAND with organic matter, shell fragments, wet.	6	12	AP-SD045-059-06 (Duplicate Sample Collected) PCB Analysis
42						
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SD045-06

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 07/31/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 34
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown to gray well graded f-c SAND, f-m gravel, shell fragments, trace organic matter, wet.	1	6	AP-SD045-06-01 PCB Analysis
6		SW	Same as above.	2	4	AP-SD045-06-02 PCB Analysis
12		ML	Black to gray organic clayey SILT with little fine sand and organic matter (leaf/wood fragments), wet.	3	5	AP-SD045-06-03 PCB Analysis
18		ML	Gray SILT with little fine sand (finer with depth), trace organic matter, shell fragments, wet.	4	11	AP-SD045-06-04 PCB Analysis
24						
30		SP	Gray f-m SAND with trace silt, shell fragments, wet.	5	8	AP-SD045-06-05 PCB Analysis
36			Core completed at 34 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-07

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 31

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GW	Brown well graded sandy GRAVEL with trace silt, shells and organic matter, wet.	1	6	AP-SD045-07-01 PCB Analysis
6		SM	Black silty SAND with trace clay, organic matter (leaf fragments), shell fragments, wet.	2	6	AP-SD045-07-02 PCB Analysis
12		ML	Gray clayey SILT with trace fine sand, then black organic SILT with trace fine sand and clay, organic matter (leaf/wood fragments), wet.	3	8	AP-SD045-07-03 PCB Analysis
18		SM	Dark gray silty SAND with trace clay, organic matter and shell fragments, wet.			
24		SM	Gray to light gray silty SAND (f-m sand increases with depth), trace shell fragments and organic matter.	4	11	AP-SD045-07-04 PCB Analysis
30			Core completed at 31 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-08

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 30

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GW	Brown to gray well graded sandy GRAVEL (f-c sand, f-m gravel), trace silt and shell fragments, wet.	1	6	AP-SD045-08-01 PCB Analysis
6		SM	Black silty fine SAND with organic matter (leaves/wood).	2	6	AP-SD045-08-02 PCB Analysis
12		ML	Gray clayey SILT with some fine sand, trace organic matter, shell fragments, wet.			
18		ML	Black clayey SILT with some organic matter (leaf/wood fragments), wet.	3	11	AP-SD045-08-03 PCB Analysis
24		ML	Gray clayey SILT with some organic matter, fine shell fragments, wet.	4	7	AP-SD045-08-04 PCB Analysis
30		ML	Same as above, with less sand and more clay.			

Core completed at 31 inches bgs.

36
42
48
54
60
66
72

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LOG OF BORING SD045-09

WESTON — MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 33

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Gray/brown well graded f-c SAND and f-m gravel, wet.	1	6	AP-SD045-09-01 PCB Analysis
6		SW	Gray well graded f-c SAND and f-m gravel.	2	6	AP-SD045-09-02 PCB Analysis
12		ML	Black organic clayey SILT with some organic matter (leaf/wood fragments), wet.	3	12	AP-SD045-09-03 PCB Analysis
18		ML	Gray sandy SILT with little clay, trace organic matter, shell fragments, wet.			
24		SP	Gray f-m SAND, shell fragments, wet. trace gray silt with fine sand at bottom.	4	11	AP-SD045-09-04 (Duplicate Sample Collected) PCB Analysis
30			Core completed at 33 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd045\sd045-09.bor

LOG OF BORING SD045-10

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 29

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GW	Gray well graded sandy GRAVEL (f-c sand, f-m gravel) with trace silt, shell fragments, organic matter (leaf fragments), wet.	1	6	AP-SD045-10-01 PCB Analysis
6		GW	Same as above.	2	5	AP-SD045-10-02 PCB Analysis
12		SM	Black organic silty SAND with organic matter (leaf/wood fragments), wet.			
		ML	Light gray clayey SILT.			
		ML	Dark gray clayey SILT with some sand, trace organic matter, shell fragments, wet.	3	8	AP-SD045-10-03 PCB Analysis
18						
24		SM	Gray silty SAND with trace clay, shell fragments, organic matter, wet. more clayey silt with depth.	4	10	AP-SD045-10-04 (Duplicate Sample Collected) PCB Analysis
30			Core completed at 29 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-11

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 33

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Well graded SAND and gravel (f-c sand, f-m gravel), *trace silt, shell fragments, wet.*	1	6	AP-SD045-11-01 PCB Analysis
6		SW	Same as above.	2	6	AP-SD045-11-02 PCB Analysis
12		SM	Black silty SAND, organic matter, wet.			
		ML	Gray organic SILT, trace fine sand&clay, organic matter.			
		ML	Black clayey SILT, trace organic matter, fine sand, wet.	3	7	AP-SD045-11-03 (Duplicate Sample Collected) PCB Analysis
18		SM	Light gray silty SAND with shell fragments, roots and organic matter (leaf fragments), trace lens of clayey silt, wet.			
24		SM	Same as above, but darker gray and less shell fragments.	4	14	AP-SD045-11-04 PCB Analysis
30			Core completed at 33 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-12

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 34

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Light brown poorly sorted SAND, some f-c gravel, trace shells, slight odor, wet.	1	2	AP-SD045-12-01 PCB Analysis
		SP	Same as above, but only fine gravel present, wet.	2	2	AP-SD045-12-02 PCB Analysis
		SP	Dark gray poorly sorted SAND (rounded to subrounded), wet.	3	2	AP-SD045-12-03 PCB Analysis
6		SP	Black fine SAND with some silt, slight odor, wet.	4	3	AP-SD045-12-04 PCB Analysis
		ML	Gray clayey SILT,trace shells&organic matter,very moist.	5	1	AP-SD045-12-05 PCB Analysis
12		ML	Black SILT, trace clay and organic matter, slight odor, very moist.	6	3	AP-SD045-12-06 PCB Analysis
18		SM	Dark gray silty fine SAND, trace organic matter, slight odor, wet.	7	8	AP-SD045-12-07 PCB Analysis
24		ML	Gray SILT, some clay, trace sand and organic matter, slight odor, wet.	8	3	AP-SD045-12-08 PCB Analysis
		SP	Gray fine SAND, trace shells and fine gravel, no odor, wet.	9	5	
30		SP	Gray poorly sorted SAND, trace shells, no odor, wet.	10	5	
36			Core completed at 34 inches bgs.			
42						

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LOG OF BORING SD045-13

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 40

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Light brown poorly sorted SAND and gravel, trace shells, wet.	1	2	AP-SD045-13-01 PCB Analysis
		SP	Same as above, only fine gravel observed.	2	4	AP-SD045-13-02 PCB Analysis
6		ML	Dark brown to black SILT, trace fine sand and coarse gravel, trace clay and organic matter, slight odor, wet.	3	6	AP-SD045-13-03 PCB Analysis
12		ML	Black clayey SILT, trace sand and organic matter, slight odor, moist.	4	4	AP-SD045-13-04 PCB Analysis
18		ML	Gray clayey SILT, trace fine sand, faint odor, wet.	5	3	AP-SD045-13-05 PCB Analysis
		SP	Gray fine SAND, trace fine gravel, no odor, wet.	6	5	AP-SD045-13-06 PCB Analysis
24		ML	Gray clayey SILT, trace sand and shells, slight odor, moist.	7	4	AP-SD045-13-07 PCB Analysis
30		SP	Gray fine SAND, no odor, wet.	8	3	AP-SD045-13-08 PCB Analysis
		SP	Dark gray fine SAND, trace shells and silt, moist.	9	1	AP-SD045-13-09 PCB Analysis
		SP	Gray fine SAND, trace shell fragments, no odor, moist.	10	3	AP-SD045-13-10 PCB Analysis
36		SP	Same as above.	11	5	AP-SD045-13-11 PCB Analysis
42			Core completed at 40 inches bgs.			
48						
54						

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LOG OF BORING SD045-14

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 33

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown/gray well graded f-c SAND and f-c gravel, shells.	1	3	AP-SD045-14-01 PCB Analysis
6		SM	Gray silty SAND with trace organic matter and shell fragments.	2	9	AP-SD045-14-02 PCB Analysis
12		ML	Gray sandy SILT, trace clay, organic matter, shell fragments, wet.	3	9	AP-SD045-14-03 PCB Analysis
18						
24		SP	Gray f-m SAND with some silt, trace organic matter, shell fragments, wet.			
30		SW	Gray to light gray well graded gravelly SAND with trace organic matter, shell fragments, wet.	4	12	AP-SD045-14-04 (Duplicate Sample Collected) PCB Analysis
			Core completed at 33 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-15

WESTON — MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 33

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GW	Gray/brown well graded sandy GRAVEL with trace organic matter (wood fragments), shell fragments, wet.	1	6	AP-SD045-15-01 PCB Analysis
6		GW	Same as above.	2	6	AP-SD045-15-02 PCB Analysis
12		SM	Black to dark gray organic silty SAND with leaf/wood fragments, wet.	3	8	AP-SD045-15-03 PCB Analysis
18		ML	Gray clayey SILT.			
24		ML	Black organic SILT with trace clay.			
		ML	Gray clayey SILT, wet.	4	15	AP-SD045-15-04 (Duplicate Sample Collected) PCB Analysis
30		ML	Dark gray clayey SILT with trace f-m gravel, trace fine sand, organic matter, shell fragments, wet.			
36			Core completed at 35 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-16

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 29

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown to black f-c SAND with fine gravel, wet.	1	3	AP-SD045-16-01 PCB Analysis
6		SM	Gray to black silty SAND with organic matter (leaf fragments), roots, shell fragments, wet.			
12		ML	Black organic SILT, organic matter (leaf/wood fragments), with silty clay and silty sand lenses, wet.	2	14	AP-SD045-16-02 PCB Analysis
18		ML	Gray sandy SILT with trace organic matter and shell fragments, wet. more fine sand with depth.	3	12	AP-SD045-16-03 PCB Analysis
24						
30			Core completed at 29 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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WESTON
MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SD045-17

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 23

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Light brown fine SAND, trace shell fragments, upper layer is f-m gravel, no odor, wet.	1	2	AP-SD045-17-01 PCB Analysis
		ML	Dark gray sandy SILT, no odor, wet.	2	6	AP-SD045-17-02 PCB Analysis
6						
12		SW	Gray fine well sorted SAND, no odor, wet.	3	15	AP-SD045-17-03 PCB Analysis
18						
24			Core completed at 23 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd045\sd045-17.bor

LOG OF BORING SD045-18

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 22

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Gray well graded gravelly SAND with trace silt and organic matter, wet.	1	3	AP-SD045-18-01 PCB Analysis
		ML	Black organic SILT, fiberous wood/plant fragments, wet.			
6		ML	Dark gray sandy SILT with trace clay, shell fragments and fine gravel.	2	9	AP-SD045-18-02 (Duplicate Sample Collected) PCB Analysis
12		ML	Same as above.	3	8	AP-SD045-18-03 PCB Analysis
18		SP	Gray gravelly f-c SAND, f-m gravel, trace silt, wet.	4	2	AP-SD045-18-04 PCB Analysis
			Core completed at 22 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-19

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 07/31/01
Drilling Method : *Hand Push*
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : *36*

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray f-c SAND, trace fine gravel, fine shells and wood fragments, wet.	1	6	AP-SD045-19-01 (Duplicate Sample Collected) PCB Analysis
6		SP	Same as above.	2	10	AP-SD045-19-02 PCB Analysis
12						
18		ML	Black/gray organic SILT with light gray clayey silt lenses *at 20 in. and 28 in., and black silty sand with shell* fragments at 16 to 20 in. and 21 to 23 in., woody material, leaves and wood chunk at 23 to 26 in., wet.	3	8	AP-SD045-19-03 PCB Analysis
24						
30				4	12	AP-SD045-19-04 PCB Analysis
		ML	Gray clayey SILT with trace organic matter (wood), shell fragments, wet.			
36			*Core completed at 36 inches bgs.*			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-20

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 28

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark gray clayey SILT with trace organic matter.	1	6	AP-SD045-20-01 PCB Analysis
6		ML	Dark gray clayey SILT with trace sand and organic matter, wet.	2	4	AP-SD045-20-02 PCB Analysis
12		SM	Light gray silty f-m SAND with shell and wood fragments, wet.	3	6	AP-SD045-20-03 PCB Analysis
18		SM	Same as above.	4	12	AP-SD045-20-04 PCB Analysis
24		SP	Light gray f-c SAND with trace fine gravel and shell fragments, wet.			
		ML	Black organic SILT with some clay, wood fragments, fine gravel, wet.			
30			Core completed at 28 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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WESTON MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SD045-21

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 35

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GP	Gray poorly graded sandy fine GRAVEL, wet.	1	6	AP-SD045-21-01 PCB Analysis
6		ML	Black organic SILT, organic matter, trace clay at bottom, moist.	2	6	AP-SD045-21-02 PCB Analysis
12		SM	Gray silty SAND with trace organic matter (wood fragments and leaf litter), shell fragments, f-c sand with depth, wet.	3	12	AP-SD045-21-03 (Duplicate Sample Collected) PCB Analysis
24		SP	Gray f-m SAND with some silt.	4	11	AP-SD045-21-04 PCB Analysis
30		SP	Same as above except light gray and brown with thin lens of organic matter, wet.			
36			Core completed at 35 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-22

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 31

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown poorly graded gravelly SAND, f-m gravel, wet.	1	5	AP-SD045-22-01 PCB Analysis
6		ML	Black organic SILT, peat, fiberous, woody to 7 in., then gray/black clayey SILT with organic matter, moist-wet.	2	7	AP-SD045-22-02 PCB Analysis
12		ML	Black to dark brown SILT with trace fine sand and clay, organic matter, moist.	3	8	AP-SD045-22-03 PCB Analysis
18		ML	Light and dark gray clayey SILT with organic matter.	4	6	AP-SD045-22-04 PCB Analysis
24		SP	Light gray f-m SAND with trace organic matter, silt, shell fragments and medium gravel, wet.	5	5	AP-SD045-22-05 PCB Analysis
30			Core completed at 31 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-24

WESTON — MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 22

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black organic SILT with trace clay, roots and wood fragments, wet.	1	6	AP-SD045-24-01 PCB Analysis
		ML	Dark gray clayey SILT with trace organic matter.			
6		SM	Dark gray to gray silty SAND, wet.	2	6	AP-SD045-24-02 PCB Analysis
12		SM	Same as above.	3	10	AP-SD045-24-03 PCB Analysis
18		SM	Light gray silty f-m SAND with trace organic matter, shell fragments, wet.			
			Core completed at 22 inches bgs.			

24
30
36
42
48
54
60
66
72

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LOG OF BORING SD045-25

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 34

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Gray to black well graded gravelly SAND (f-c sand, f-m gravel), trace coarse gravel, organic matter and shell fragments, wet.	1	6	AP-SD045-25-01 PCB Analysis
6		SW	Same as above, sand becomes finer with depth.	2	6	AP-SD045-25-02 PCB Analysis
12		SW	Same as above, sand becomes finer with depth.	3	12	AP-SD045-25-03 PCB Analysis
24		SW	Same as above, sand becomes finer with depth.	4	10	AP-SD045-25-04 PCB Analysis
36			Core completed at 34 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD045-26

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.). 3
Total Recovery (in.) : 41

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GM	Gray to brown sandy GRAVEL (f-c sand, f-c gravel), wet.	1	6	AP-SD045-26-01 PCB Analysis
6		SP	Gravelly SAND, finer, wet.	2	6	AP-SD045-26-02 (Duplicate Sample Collected) PCB Analysis
12		SP	Same as above.	3	6	AP-SD045-26-03 PCB Analysis
18		SP	Black silty f-m SAND with shell and wood fragments, wet.	4	8	AP-SD045-26-04 PCB Analysis
30		ML	Dark gray clayey SILT, trace fine sand and organic matter (wood fragments), shell fragments, wet.	5	7	AP-SD045-26-05 PCB Analysis
36		SM	Black to dark gray f-m silty SAND, wood and shell fragments, wet.	6	4	AP-SD045-26-06 PCB Analysis
		ML	Black clayey SILT, organic odor.	7	4	AP-SD045-26-07 PCB Analysis
42			Core completed at 41 inches bgs.			
48						
54						
60						
66						
72						

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GRID 4

SL053

LOG OF BORING SL053-01

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/10/01
Drilling Method : Hand Auger
Drilled By : Mike Browning
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) 4
Total Recovery (in.) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish brown to dark mottled silty CLAY, trace organic matter, moist	1	6	AP-SL053-01-01(Duplicate Sample Collected) PCB Analysis
6		CL	Reddish brown to gray silty CLAY, less organic matter, changing to dark brown peat from 10-12", moist	2	6	AP-SL053-01-02 PCB Analysis
12		PT	Dark brown PEAT, some yellowish brown to greenish gray silty clay, moist	3	12	AP-SL053-01-03 PCB Analysis
24		PT	Black PEAT, moist	4	12	AP-SL053-01-04 PCB Analysis
36		PT	*Same as above, moist from 36-42", wet from 42-48"*	5	12	AP-SL053-01-05 PCB Analysis
48		PT	Same as above, wet	6		AP-SL053-01-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-02

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	08/09/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in)	60
Drilled By	: Ben Maradkel		
Logged By	: Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown SILT with clay and trace sand, with organic matter, roots, no odor, dry.	1	6	AP-SL053-02-01 PCB Analysis
6		ML	Same as above.	2	4	AP-SL053-02-02 PCB Analysis
12		ML	Black SILT, organically rich, wood pieces, roots, slight odor, wet.	3	14	AP-SL053-02-03 PCB Analysis
24		ML	Same as above.	4	12	AP-SL053-02-04 PCB Analysis
36		ML	Same as above	5	12	AP-SL053-02-05 PCB Analysis
48		ML	Same as above.	6	12	AP-SL053-02-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL053-03

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Auger
Drilled By : Ben Maradkel
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Yellowish brown to reddish brown clayey SILT, traces of organic matter, roots and wood fragments, dry to moist.	1	6	AP-SL053-03-01 PCB Analysis
6		CL	*Yellowish brown to reddish brown silty CLAY, moist to wet.*			
		PT	Bluish gray organic silt-PEAT, woody fibrous organic matter, moist to wet.	2	6	AP-SL053-03-02 (Duplicate Sample Collected) PCB Analysis
12			*Same as above, wet*			
18		PT		3	12	AP-SL053-03-03 PCB Analysis
24			Same as above, wet.			
30		PT		4	12	AP-SL053-03-04 PCB Analysis
36			Same as above, wet.			
42		PT		5	12	AP-SL053-03-05 PCB Analysis
48			Same as above, wet.			
54		PT		6	12	AP-SL053-03-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-04

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Mike Browning
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in)
Total Recovery (in.) : 0-48" (Auger)
48-70" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light brown CLAY with silt, roots, wood pieces, leaves, odorless, dry.	1	6	AP-SL053-04-01 PCB Analysis
6		CL	Same as above			
		CL	Light brown CLAY with silt 6-8", light brown clay, leaves, roots, no odor, slightly moist 8-12".	2	6	AP-SL053-04-02 PCB Analysis
12		ML	Dark brownish black SILT with light brown clay, organic matter, roots, slight organic odor, moist.	3	12	AP-SL053-04-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Dark brown SILT, many fibrous roots, large wood pieces, leaves, slight odor, wet.	4	12	AP-SL053-04-04 PCB Analysis
36		ML	Same as above, wet.	5	12	AP-SL053-04-05 PCB Analysis
48		PT	Dark brown, organic silt-PEAT, fibrous wood and plant fragments, wet.	6	12	AP-SL053-04-06 PCB Analysis
60		PT	Same as above.	7	10	AP-SL053-04-07 PCB Analysis
72			Core completed at 70 inches bgs.			

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL053-05

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	08/10/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in)	48
Drilled By	: Mike Browning		
Logged By	: Mary Lannon		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish black mottled, dark brown silty CLAY with traces of organic matter, roots, moist.	1	6	AP-SL053-05-01 PCB Analysis
6		CL	Same as above			
		PT	From 6-8", greenish gray silty clay, from 8-12", dark brown PEAT with yellowish brown to reddish brown silty clay, moist.	2	6	AP-SL053-05-02 PCB Analysis
12		PT	Dark brown PEAT with wood fragments, moist.	3	12	AP-SL053-05-03 PCB Analysis
24		PT	Black PEAT, moist	4	12	AP-SL053-05-04 PCB Analysis
36		PT	Same as above, wet.	5	12	AP-SL053-05-05 PCB Analysis
48			Core completed at 60 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SL053-06

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : hand push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates

Borehole Diameter (in)
Total Recovery (in) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light brown silty CLAY, traces of organic matter, slight odor, plastic, moist.	1	6	AP-SL053-06-01 PCB Analysis
6		ML	From 6-8" same as above, from 8-12" olive clayey SILT, traces of organic matter, slight odor, moist.	2	6	AP-SL053-06-02 PCB Analysis
12		ML	Dark brown organic SILT, some roots and wood fragments, high moisture.	3	12	AP-SL053-06-03 PCB Analysis
24		ML	Black organic SILT, some wood fragments and trace roots, slight odor, higher moisture.	4	12	AP-SL053-06-04 PCB Analysis
36		ML	Black organic SILT, more decomposed and slightly less wood fragments than above, higher moisture content.	5	12	AP-SL053-06-05 PCB Analysis
48		ML	Same as above with higher rate of decomposition, higher moisture content	6	12	AP-SL053-06-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-07

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/1/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in)	60
Drilled By	: Heidi Nemeth		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish brown to yelowish brown with mottled dark brown silty CLAY with traces of organic matter, moist.	1	6	AP-SL053-07-01 (Duplicate Sample Collected) PCB Analysis
6		ML	From 6-10" greenish gray with mottled black and reddish black clayey SILT, from 10-12" dark brown peat, moist.	2	6	AP-SL053-07-02 PCB Analysis
12		PT	Dark brown to black PEAT with moist organic silt, fibrous wood and plant material fragments, moist.	3	12	AP-SL053-07-03 PCB Analysis
24		PT	Same as above-organic silt, PEAT, moist			
30		PT	Same as above with wood fragments, wet.	4	12	AP-SL053-07-04 PCB Analysis
36		PT	Same as above.	5	12	AP-SL053-07-05 PCB Analysis
48		PT	Same as above.	6	12	AP-SL053-07-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-08

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	08/09/01	Borehole Diameter (in)	4
Drilling Method	Hand Auger	Total Recovery (in)	60
Drilled By	: Ben Maradkel		
Logged By	: Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light brown silty CLAY with roots, organic material, no odor, dry.	1	6	AP-SL053-08-01 PCB Analysis
6		CL	Brown CLAY with silt, black organic material, roots, wood pieces, no odor, slightly moist.	2	6	AP-SL053-08-02 PCB Analysis
12		ML	Brown to black SILT, organically rich, wood pieces, roots, slight odor, moist.	3	12	AP-SL053-08-03 PCB Analysis
24		ML	Same as above but all black.	4	12	AP-SL053-08-04 PCB Analysis
36		ML	Same as above.	5	12	AP-SL053-08-05 PCB Analysis
48		ML	Same as above.	6	12	AP-SL053-08-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-09

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/13/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) 4
Total Recovery (in.) 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish brown mottled with dark brown silty CLAY, traces of organic material and roots, moist.	1	6	AP-SL053-10-01 PCB Analysis
6		ML	Greenish gray with mottled dark black clayey SILT, moist.	2	6	AP-SL053-10-02 (Duplicate Sample Collected) PCB Analysis
		ML	Dark brown/black, organic silt moist.			
12		PT	Same as above.			
18		PT	Same as above - traces of clayey silt, wet	3	12	AP-SL053-10-03 PCB Analysis
24		PT	Same as above - organic silt-PEAT, less fibrous.	4	12	AP-SL053-10-04 PCB Analysis
36		PT	Black to reddish black organic silt and PEAT, wood fragments, wet.	5	12	AP-SL053-10-05 PCB Analysis
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

LOG OF BORING SL053-10

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	08/13/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	0-18" (Auger)
Drilled By	: Joe Ruiz		18-36" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish brown to yellowish brown mottled with dark brown silty CLAY, traces of organic material and roots, moist.	1	6	AP-SL053-10-01 PCB Analysis
6		ML	Greenish gray mottled with dark black clayey SILT, with organic silty peat, moist.	2	6	AP-SL053-10-02 PCB Analysis
12		ML	Same as above.	3	6	AP-SL053-10-03 PCB Analysis
18		PT	Compacted PEAT			
24		ML	Dark black organic SILT, moist to wet.	4	12	AP-SL053-10-04 PCB Analysis
30		ML	Black to greenish brown clayey SILT with traces of sand, moist to wet.	5	6	AP-SL053-10-05 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

LOG OF BORING SL053-11

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/10/01
Drilling Method : Hand Push
Drilled By : Mike Browning
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish brown mottled with dark brown silty CLAY, traces of organic material, moist.	1	6	AP-SL053-11-01 PCB Analysis
6		ML	Greenish gray clayey silt with traces of organic material			
		PT	Dark brown PEAT, moist.	2	6	AP-SL053-11-02 PCB Analysis
12		PT	Same as above, moist.	3	12	AP-SL053-11-03 PCB Analysis
18						
24		PT	Same as above, moist to wet.	4	12	AP-SL053-11-04 (Duplicate Sample Collected) PCB Analysis
30						
36		PT	Same as above, wet.	5	12	AP-SL053-11-05 PCB Analysis
42						
48		PT	Same as above, wet.	6	12	AP-SL053-11-06 PCB Analysis
54						
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-12

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Auger
Drilled By : Mike Browning
Logged By : Heidi Nemth
X, Y Coordinates :

Borehole Diameter (in) : 4
Total Recovery (in) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Gray fine SAND with traces of brown sand, roots, leaves, no odor, dry.	1	6	AP-SL053-12-01 PCB Analysis
6		SW	Same as above.	2	6	AP-SL053-12-02 PCB Analysis
12		SW	Fine Gray SAND, gravel, roots, wood pieces, leaves, traces of black silt, no odor, dry.	3	6	AP-SL053-12-03 PCB Analysis
18		ML	Brown SILT with clay, roots, leaves, organic material, no odor, dry.	4	6	AP-SL053-12-04 PCB Analysis
		ML	Dark brown sand with silt, gravel, roots, leaves, organic matter, gray sand, dry, no odor.			
24		ML	Same as above, with rocks.	5	12	AP-SL053-12-05 PCB Analysis
36		CL	Light brown CLAY with silt, roots, wood pieces, no odor, dry.	6	6	AP-SL053-12-06 PCB Analysis
		ML	Brown black silt, organic matter, wood pieces, no odor, dry			
42		ML	Black gray SILT mottled with light brown moist clay and gray fine sand, many fibrous roots, wood pieces, leaves, slight odor, moist.	7	6	AP-SL053-12-07 PCB Analysis
48		ML	Black SILT with gray sand, many fibrous roots, leaves, wood pices, slight organic odor, slightly moist.	8	6	AP-SL053-12-08 PCB Analysis
54		ML	Black SILT with traces of gray fine sand, many fibrous roots, leaves, wood pieces, organic odor, moist.	9	6	AP-SL053-12-09 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL053-13

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/07/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-24" (Auger)
Drilled By	: Joe Ruiz		: 24-46" (Push)
Logged By	: Heidi Nemth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light brown with reddish tint silty CLAY, large roots +1" in diameter, many fibrous roots, no odor, slightly moist.	1	5	AP-SL053-13-01 PCB Analysis
6		ML	Dark brown SILT with a trace of clays, many fibrous roots, few larger roots, no odor, very moist.	2	7	AP-SL053-13-02 PCB Analysis
12		ML	Same as above.	3	12	AP-SL053-13-03 PCB Analysis
24		ML	Black to dark brown organic SILT with traces of clay, wood fragments and wood chunks at 33" and between 38-41", moist.	4	12	AP-SL053-13-04 PCB Analysis
36		PT	PEAT	5	8	AP-SL053-13-05 PCB Analysis
42		ML	Black to gray clayey SILT, organic matter, moist to wet.	6	2	AP-SL053-13-06 PCB Analysis
			Core completed at 46" bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SL053-14

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/09/01	Borehole Diameter (in)	4
Drilling Method	Hand Auger	Total Recovery (in.)	60
Drilled By	: Mike Browning		
Logged By	: Heidi Nemth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown silt with clay, live creatures, many roots, organic material, wood pieces, no odor, dry.	1	6	AP-SL053-14-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL053-14-02 PCB Analysis
12		CL	Brown silty CLAY with black silt, roots, leaves, organic material, no odor, moist.	3	6	AP-SL053-14-03 PCB Analysis
18		ML	Black SILT, many fibrous roots, wood pieces, leaves, no odor, wet.	4	6	AP-SL053-14-04 PCB Analysis
24		ML	Same as above.	5	12	AP-SL053-14-05 PCB Analysis
36		ML	Same as above with more water.	6	12	AP-SL053-14-06 PCB Analysis
48		ML	Same as above with standing water.	7	12	AP-SL053-14-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL053-15

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/13/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	0-48" (Auger)
Drilled By	: Joe Ruiz		48-60" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish brown to yellowish brown mottled with dark brown silty CLAY with traces of organic material, slightly moist.	1	6	AP-SL053-15-01 PCB Analysis
6		ML	Greenish gray mottled with black clayey SILT			
		ML	Dark brown to black fibrous organic silt, moist.	2	6	AP-SL053-15-02 PCB Analysis
12		ML	Dark black organic SILT and peat with fibrous organic material, moist.	3	12	AP-SL053-15-03 PCB Analysis
24		ML	Same as above - moist			
30		ML	Same as above - wet	4	12	AP-SL053-15-04 PCB Analysis
36		ML	Same as above	5	12	AP-SL053-15-05 PCB Analysis
48		ML	Same as above.	6	12	AP-SL053-15-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-16

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/13/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	. 0-24" (Auger)
Drilled By	: Joe Ruiz		. 24-44" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light brown Clay with silt, leaves, some roots, no odor, dry.	1	6	AP-SL053-16-01 PCB Analysis
6		CL	Same as above, moist.	2	3	AP-SL053-16-02 PCB Analysis
		ML	Black-gray SILT, organic matter, roots, slight orgainc odor, moist	3	3	AP-SL053-16-03 PCB Analysis
12		CL	Light brown silty CLAY with gray and black silt, roots, leaves, slight organic odor, moist.	4	8	AP-SL053-16-04 PCB Analysis
18		ML	Black SILT, roots, leaves, organic odor, moist.	5	4	AP-SL053-16-05 PCB Analysis
24		ML	Black organic SILT with traces of clay and organic material, roots and wood fragments, wet.	6	4	AP-SL053-16-06 PCB Analysis
30		SM	Dark gray SILTY SAND, with trace of clay, organic material, wood and shell fragments, wet.			
36				7	16	AP-SL053-16-07 (Duplicate Sample Collected) PCB Analysis
42		SM	Same as above			
			Core completed at 44 inches bgs.			
48						
54						
60						
66						
72						

LOG OF BORING SL053-17

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/07/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	0-36" (Auger)
Drilled By	: Joe Ruiz		36-60" (Push)
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown clayey SILT with many roots and orgnaic material, no odor, dry.	1	6	AP-SL053-17-01 PCB Analysis
6		ML	Same as above, slightly more moist.	2	6	AP-SL053-17-02 PCB Analysis
		ML	Black SILT, many fine roots, organinc matter, slight odor, moist			
12		ML	Black SILT with many fine roots and large roots, leaves, wood pieces, organic odor, very moist.	3	12	AP-SL053-17-03 PCB Analysis
18						
24		ML	Same as above with larger pieces of cattails.	4	12	AP-SL053-17-04 PCB Analysis
30						
36		ML	Black to dark brown organic SILT and peat, wet.	5	12	AP-SL053-17-05 PCB Analysis
42						
48		ML	Same as above with wood chunks from 50-52".	6	12	AP-SL053-17-06 PCB Analysis
54						
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-18

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/14/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-12" (Auger)
Drilled By	: Joe Ruiz		: 12-28" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black organic SILT and peat with fibrous organic material and shell fragments, wet.	1	6	AP-SL053-18-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL053-18-02 PCB Analysis
12		ML	Same as above.	3	6	AP-SL053-18-03 PCB Analysis
18		ML	Gray to black SILT with traces of sand, organic material, roots, wood, shells, wood chunk at 24-25", wet.	4	10	AP-SL053-18-04 *PCB Analysis*
24		SW	Light Brown SAND, 1" f-m, shell fragments, chunk of wood			
30			Core completed at 28 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

LOG OF BORING SL053-19

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/09/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in)	60
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Yellowish brown to reddish brown clayey SILT with traces of organic material, roots, dry.	1	6	AP-SL053-19-01 PCB Analysis
6		ML	Same as above, slightly moist.	2	6	AP-SL053-19-02 PCB Analysis
12		ML	Dark brown to black organic SILT and peat, fibrous organic material, roots, traces of clay, moist.			
18		ML	Same as above, moist	3	12	AP-SL053-19-03 PCB Analysis
24		ML	Same as above, moist			
30		ML		4	12	AP-SL053-19-04 (Duplicate Sample Collected) PCB Analysis
36		ML	Same as above, more decomposed organic matter, wet.			
42		ML		5	12	AP-SL053-19-05 PCB Analysis
48		ML	Same as above.			
54		ML		6	12	AP-SL053-19-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-20

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	08/08/01	Borehole Diameter (in)	
Drilling Method	Hand Auger/Hand Push	Total Recovery (in.)	: 0-36" (Auger) 36-58" (Push)
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Brown CLAY with silt and traces of sand, roots, organic material, no odor, dry.	1	6	AP-SL053-20-01 PCB Analysis
		CL	Brown CLAY with traces of silt, one large root and many small roots, slightly moist.			
6		CL	Black, gray and brown CLAY with silt, roots, leaves, no odor, moist.	2	6	AP-SL053-20-02 PCB Analysis
		CL	Black CLAY, many roots, leaves, organic odor, wet.			
12		CL	Same as above.	3	12	AP-SL053-20-03 PCB Analysis
18						
24		CL	Same as above.	4	12	AP-SL053-20-04 PCB Analysis
30						
36		ML	Dark black organic SILT and peat, fibrous wood and plant fragments, wet.	5	17	AP-SL053-20-05 PCB Analysis
42						
48						
54		CL	Dark gray silty CLAY with thin light gray layers of sand and traces of organic material, roots, shell fragments, wet.	6	5	AP-SL053-20-06 PCB Analysis
			Core completed at 58 inches bgs.			
60						
66						
72						

LOG OF BORING SL053-21

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/07/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) 0-12" (Auger)
12-60" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Reddish brown to dark brown SILT with traces of clay, organic material, dry.	1	6	AP-SL053-21-01 (Duplicate Sample Collected) PCB Analysis
6		ML	Reddish brown to dark brown clayey SILT with traces of organic material	2	6	AP-SL053-21-02 PCB Analysis
		ML	Black to reddish brown clayey silt with more organic material, moist.			
12		ML	Black organic SILT with fibrous organic materials (cattails) and traces of clay, moist.	3	8	AP-SL053-21-03 PCB Analysis
18						
24		ML	Greenish gray mottled with yellowish brown sandy SILT, with traces of organic material.	4	10	AP-SL053-21-04 PCB Analysis
30		ML	Gray mottled with yellowish brown clayey SILT, traces of sand and organic material, shell fragments, moist to wet.	5	12	AP-SL053-21-05 PCB Analysis
36		SW	Dark brown SAND, firm, wood fragments throughout			
42		SM	Greenish gray silty SAND with traces of clay and organic material, wet.	6	12	AP-SL053-21-06 PCB Analysis
48						
54		ML	Gray mottled with yellowish brown sandy SILT, traces of clay and organic material, shell fragments, wet.	7	6	AP-SL053-21-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL053-22

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/07/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-24" (Auger)
Drilled By	: Joe Ruiz		: 24-48" (Push)
Logged By	: Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light brown CLAY with silt, some small roots, no odor, dry.	1	4	AP-SL053-22-01 PCB Analysis
6		ML	Light brown SILT with clay, small roots, leaves, no odor, slightly moist.	2	4	AP-SL053-22-02 PCB Analysis
		ML	Dark brown SILT, many roots, organic matter, no odor, slightly moist.	3	4	AP-SL053-22-03 PCB Analysis
12		ML	Same as above	4	12	AP-SL053-22-04 PCB Analysis
18		ML	Black SILT, roots, organic material, slight odor, moist.			
24		SM	Dark green silty SAND with traces of clay, organic material, roots, wood fragments, wet.	5	12	AP-SL053-22-05 PCB Analysis
30		SM	Same as above.	6	12	AP-SL053-22-06 PCB Analysis
36		SM	Same as above - more f-m SAND			
42						
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SL053-23

WESTON MANAGERS DESIGNERS CONSULTANTS

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Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/08/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-36" (Auger)
Drilled By	: Joe Ruiz		: 36-40" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Yellowish brown to reddish brown silty CLAY with traces of organic material, roots, wood fragments, slightly moist.	1	6	AP-SL053-23-01 PCB Analysis
6		CL	Yellowish brown to reddish brown CLAYEY SILT, with organic material, roots, wood fragments, moist			
		PT	Dark brown to black organic silt and PEAT, organic material, wood fragments, roots, wet.	2	6	AP-SL053-23-02 (Duplicate Sample Collected) PCB Analysis
12						
18		PT	Organic SILTY PEAT, with fiberous organic matter, wood fragments, wet.	3	12	AP-SL053-23-03 PCB Analysis
24		PT	Same as above			
		SW	Greenish light brown fine to medium SAND, wet.	4	6	AP-SL053-23-04 PCB Analysis
30		SW	Greenish brown fine to medium sand with traces of silt, organic material, wood fragments, wet.	5	6	AP-SL053-23-05 PCB Analysis
36		SW	Greenish brown fine to medium sand with traces of organic material, root fragments, wet.	6	4	AP-SL053-23-06 PCB Analysis
			Core completed at 40 inches bgs.			
42						
48						
54						
60						
66						
72						

LOG OF BORING SL053-24

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/08/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in)	30
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Yellowish brown to reddish b own SILTY CLAYwith traces of organic material, roots, wood fragments, slightly moist.	1	6	AP-SL053-24-01 PCB Analysis
6		CL	Same as above	2	6	AP-SL053-24-02 (Duplicate Sample Collected) PCB Analysis
		PT	Yellowish green organic SILTY PEAT with trace clay, wood fragments, moist to wet.			
12		PT	Black organic SILTY PEAT, wood fragments, fiberous plant fragments, wet	3	12	AP-SL053-24-03 PCB Analysis
18		PT	Same as above.			
24		PT	Same as above.	4	6	AP-SL053-24-04 PCB Analysis
30			Core completed at 30 inched bgs. due to core refusal.			
36						
42						
48						
54						
60						
66						
72						

WESTON MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SL053-25

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/08/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) 0-36" (Auger) 36-56" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT with clay and traces of sand, leaves, fibrous roots, large roots, no odor, dry.	1	6	AP-SL053-25-01 PCB Analysis
6		CL	Brown CLAY with silt, some roots, some leaves, no odor, moist	2	6	AP-SL053-25-02 PCB Analysis
		ML	Black SILT, many fibrous roots, no odor, moist.			
12		CL	Brown CLAY with silt, some roots, some leaves, no odor, moist to wet.	3	7	AP-SL053-25-03 PCB Analysis
18		ML	Black SILT, many fibrous roots, leaves, slight odor, wet.	4	5	AP-SL053-25-04 PCB Analysis
24		ML	Same as above.	5	12	AP-SL053-25-05 PCB Analysis
36		PT	Dark brown to black organic silt-PEAT, fibrous wood and plant fragments, wet.	6	12	AP-SL053-25-06 (Duplicate Sample Collected) PCB Analysis
48		PT	Same as above.	7	8	AP-SL053-25-07 PCB Analysis
54			Core completed at 56 inches bgs.			
60						
66						
72						

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LOG OF BORING SL053-26

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in.) : 23

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		PT	Greenish gray CLAYEY SILT, with PEAT, moist to wet.			
		PT	Dark brown to reddish brown PEAT with fibrous organic material, roots, plant and wood fragments, moist	1	6	AP-SL053-26-01 PCB Analysis
6				2	6	AP-SL053-26-02 PCB Analysis
12						
18				3	11	AP-SL053-26-03 (Duplicate Sample Collected) PCB Analysis
		OL	Dark brown to gray organic SILT, shell fragments, wood fragments, moist.			
24			Core completed at 23 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

LOG OF BORING SL053-27

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates

Borehole Diameter (in) 4
Total Recovery (in) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light brown clayey SILT, trace roots and organics, slight odor, moist.	1	6	AP-SL053-27-01 PCB Analysis
6		ML	Same as above			
		ML	Dark brown SILT with high organic content, slight odor, moist.	2	6	AP-SL053-27-02 PCB Analysis
12		PT	Black organic silt and PEAT, slight odor, moist.	3	12	AP-SL053-27-03 PCB Analysis
24		PT	Same as above, moisture and decomposition increasing with depth.	4	12	AP-SL053-27-04 PCB Analysis
36		PT	Same as above with increase of wood fragments			
42		PT	Same as above with traces of clay and less wood fragments, highly moist.	5	12	AP-SL053-27-05 PCB Analysis
48		ML	Light brown to dark green SILT, traces of organic material, shell fragments, sand, faint odor, very moist.	6	6	AP-SL053-27-06 PCB Analysis
54		ML	Gray clayey silt with traces of fine sand and shell fragments, and wood fragments, no odor, wet.	7	6	AP-SL053-27-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SL053-28

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/09/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	0-48" (Auger)
Drilled By	: Joe Ruiz		48-53" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Reddish brown clayey SILT with traces of organic material, roots, dry.	1	6	AP-SL053-28-01 PCB Analysis
6		CL	Reddish brown mottled with greenish gray silty CLAY, with organic materials, roods, wood fragments, slightly moist.	2	6	AP-SL053-28-02 PCB Analysis
12		CL	Greenish gray mottled with reddish brown silty CLAY, moist.	3	8	AP-SL053-28-03 PCB Analysis
18		PT	Black organic silt PEAT, wet.	4	4	AP-SL053-28-04 PCB Analysis
24		PT	Black organic silt PEAT with fine and medium gray sand, traces of clay, shell fragments, wet.	5	12	AP-SL053-28-05 PCB Analysis
30						
36		SM	Yellowish brown to greenish gray silty fine to medium SAND with traces of organic material, fine and medium gravel, wet.	6	12	AP-SL053-28-06 PCB Analysis
42						
48		SM	Same as above.	7	5	
54			Core completed at 53 inches bgs.			
60						
66						
72						

LOG OF BORING SL053-29

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) 4
Total Recovery (in) 54

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Brown to yel'owish brown silty CLAY with organic material, roots, and wood fragments, slightly moist.	1	6	AP-SL053-29-01 PCB Analysis
6		ML	Reddish brown mottled with yellowish brown clayey SILT with traces of fine sand and organic materials, roots, moist.	2	6	AP-SL053-29-02 PCB Analysis
12		SM	Reddish brown to yellowish brown silty fine SAND with traces of clay and organic material, dry to slightly moist.	3	6	AP-SL053-29-03 (Duplicate Sample Collected) PCB Analysis
18		CL	Yellowish brown to tan silty CLAY, wet.	4	4	AP-SL053-29-04 PCB Analysis
		PT	Black to dark brtown organic silt and PEAT, wet.			
24		PT	Black to dark brown PEAT, fiberous organic matter, wood fragments, and trace clay	5	14	AP-SL053-29-05 PCB Analysis
30						
36		PT	Same as above.	6	6	AP-SL053-29-06 PCB Analysis
42		ML	Dark gray to brown sandy SILT with traces of clay and organic material, wet.	7	6	AP-SL053-29-07 PCB Analysis
48		ML	Dark green sandy SILT with traces of organic material, fine to medium sand, shell fragments, wet.	8	6	AP-SL053-29-08 PCB Analysis
54			Core completed at 54 inches bgs.			
60						
66						
72						

LOG OF BORING SL053-30

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/07/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	0-42" (Auger)
Drilled By	: Sarah Meyer		42-60" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT with traces of clay and organic material, moist.	1	6	AP-SL053-30-01 PCB Analysis
6		ML	Same as above.			
		ML		2	6	AP-SL053-30-02 PCB Analysis
12		ML	Black organic SILT with traces of clay, moist to wet.			
18		ML	Black to dark green clayey SILT with traces of sand, organic material, moist to wet.	3	12	AP-SL053-30-03 PCB Analysis
24		SM	Greensih gray mottled with yellowish brown SANDY SILT, traces of clay, organic material, moist to wet.			
30		SM	*Greenish gray mottled with yellowish brown SILTY SAND*, traces of clay, organic matter, wet.	4	12	AP-SL053-30-04 PCB Analysis
36		ML	Greenish gray mottled with yellowish brown sand SILT with traces of clay, traces of fine to medium gravel, organic material, wet.	5	6	AP-SL053-30-05 PCB Analysis
42		SM	Gray to light brown fine to medium SAND with traces of silt, organic material, roots, shell fragments, moist.	6	4	AP-SL053-30-06 PCB Analysis
48		ML	Dark gray SILT with traces of fine sand, shell fragments, organic material, moist	7	3	AP-SL053-30-07 PCB Analysis
54		SM	Gray silty fine to medium SAND with traces of fine to medium gravel, organic material, shell fragments, wet.	8	11	AP-SL053-30-08 PCB Analysis
60			Core completed at 60" bgs.			
66						
72						

LOG OF BORING SL053-31

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/07/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in.) : 0-24" (Auger)
. 24-39" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Light brown CLAY with silt, large roots, many fibrous small roots, organic material, leave, no odor, dry.	1	6	AP-SL053-31-01 PCB Analysis
6		CL	Light brown CLAY with trace of silt, many fibrous small roots, leaves, a few large roots, no odor, somewhat moist.	2	6	AP-SL053-31-02 PCB Analysis
12		CL	Same as above	3	3	AP-SL053-31-03 PCB Analysis
18		ML	Black to dark gray SILT, slight organic odor, fibrous roots, organic material, slightly moist.	4	9	AP-SL053-31-04 PCB Analysis
24		ML	Black organic SILT with traces of clay and organic material, wood fragments, roots, wet.	5	12	AP-SL053-31-05 (Duplicate Sample Collected) PCB Analysis
36		ML	Gray clayey SILT with traces of sand and shell fragments, wet.	6	3	AP-SL053-31-06 PCB Analysis
			Core completed at 39 inches bgs.			
42						
48						
54						
60						
66						
72						

WESTON
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LOG OF BORING SL053-32

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/08/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) : 0-36" (Auger)
: 36-50" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Yellowish brwon to reddish brown silty CLAY with organic material, roots, wood fragments, slightly moist.	1	6	AP-SL053-32-01 PCB Analysis
6		ML	Brownish gray to black CLAYEY SILT, organic materials, roots, wood fragments, moist to wet			
		PT	Black organic SILTY PEAT, fibrouis material, wet.	2	6	AP-SL053-32-02 PCB Analysis
12		PT	Same as above	3	12	AP-SL053-32-03 PCB Analysis
24		ML	Black organic SILT with traces of clay and fine sand, fibrous organic material, wet.	4	6	AP-SL053-32-04 PCB Analysis
30		ML	Gray fine to medium sand with traces of SILT and organic material, wood and shell fragments, wet.	5	6	AP-SL053-32-05 (Sample Duplicate Collected) PCB Analysis
36		SM	Gray fine to coarse SAND with traces of organic material and shell fragments, wet.	6	11	AP-SL053-32-06 PCB Analysis
48		SM	Same as above	7	3	AP-SL053-32-07 PCB Analysis
			Core completed at 50 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SL053-33

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/08/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-36" (Auger)
Drilled By	: Joe Ruiz		: 36-54" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		CL	Reddish brown to yellowish brown silty CLAY with organic material, roots, wood fragments, slightly moist.	1	6	AP-SL053-33-01 PCB Analysis
6		CL	Same as above			
		CL	Yellowish brown mottled with gray CLAYEY SILT, with peat, moist to wet.	2	6	AP-SL053-33-02 PCB Analysis
12		ML	Gray to black organic SILT and peat, wood fragments, wet.	3	12	AP-SL053-33-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Same as above.	4	12	AP-SL053-33-04 PCB Analysis
36		PT	Black organic silt-PEAT, fibrous woody material, wood fragments, wet.	5	12	AP-SL053-33-05 PCB Analysis
48		PT	Same as above.	6	6	AP-SL053-33-06 PCB Analysis
54			Core completed at 54 inches bgs.			
60						
66						
72						

LOG OF BORING SL053-34

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/08/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in)
Total Recovery (in) 58

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Yelloish brown sandy SILT with traces of clay and organic materials, roots, wood fragments, slightly moist.	1	6	AP-SL053-34-01 PCB Analysis
6		ML	Yellowish brown SILT with traces of fine sand and organic material, moist to wet.	2	6	AP-SL053-34-02 PCB Analysis
12		ML	Yellowish brown SILT with traces of clay and organic material, wood fragments, roots, moist to wet.	3	6	AP-SL053-34-03 PCB Analysis
		ML	Same as above, little clay			
18		CL	Yellowish brown mottled with greenish gray silty CLAY, with organic matter, wood fragments, moist to wet.	4	10	AP-SL053-34-04 PCB Analysis
24		CL	Greenish gray to light brown silty CLAY with fibrous wood fragments, wet.	5	8	AP-SL053-34-05 PCB Analysis
30						
36		PT	Black organic silt and PEAT fibrous organic material, woody, wet.	6	4	AP-SL053-34-06 PCB Analysis
42		PT	Black organic silt and PEAT fibrous wood material, wood fragments, roots, wet.	7	8	AP-SL053-34-07 PCB Analysis
48		PT	Same as above	8	10	AP-SL053-34-08 PCB Analysis
54		SW	Greenish gray silty f-m SAND with shell fragments and organic material, wet.			
60			Core completed at 58 inches bgs.			
66						
72						

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LOG OF BORING SL053-35

WESTON MANAGERS DESIGNERS CONSULTANTS

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Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/09/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) 4
Total Recovery (in) 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Yellowish brown to reddish brown SILT with traces of clay, organic material, roots, wood fragments, slightly moist.	1	6	AP-SL053-35-01 PCB Analysis
6		CL	Yellowish brown to reddish brown SILT with traces of clay, organic materials, roots, wood fragments, moist.	2	6	AP-SL053-35-02 PCB Analysis
12		CL	Reddish brown to yellowish brown silty CLAY mottled with greenish gray, organic materials, fibrous wood fragments, roots, moist.	3	6	AP-SL053-35-03 PCB Analysis
18		PT	Greenish gray mottled with yellowish brown silty CLAY with black fibrous organic material.	4	6	AP-SL053-35-04 PCB Analysis
24		PT	Black to dark brown organic silt and PEAT.	5	12	AP-SL053-35-05 PCB Analysis
36		PT	Same as above.	6		AP-SL053-35-06 PCB Analysis
48		PT	Same as above.	7		AP-SL053-35-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL053-36

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/14/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in.)	48
Drilled By	: Joe Ruiz		
Logged By	: Jose Moreno		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black organic SILT, traces of fine gravel and clay, slight odor, roots, slightly moist.	1	6	AP-SL053-36-01 PCB Analysis
6		ML	Black organic SILT, traces of fine gravel and clay, slight odor, roots, increase in gravel, trace of fine sand, wood fragments, slightly moist.	2	6	AP-SL053-36-02 (Duplicate Sample Collected) PCB Analysis
12 18		ML	Black organic SILT, traces of fine gravel and clay, slight odor, roots, a 2" light tan silt layer is present between 18-20", slightly moist.	3	12	AP-SL053-36-03 PCB Analysis
24		ML	Tan clayey SILT, traces of mica and organic material, slight odor, slightly wet.			
30		ML	Same as above - increase in clay with depth, trace wood and shell fragments.	4	12	AP-SL053-36-04 PCB Analysis
36		CL	Light brown silty CLAY, traces of wood , organics, increase of organics with depth, slightly moist.	5	6	AP-SL053-36-05 PCB Analysis
42		PT	Black organic silt and PEAT, traces of slag, slight moisture.	6	6	AP-SL053-36-06 PCB Analysis
48			Core refusal at 48 inches bgs.			
54						
60						
66						
72						

GRID 5

SD030

LOG OF BORING SD030-01

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 3

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Gray/Brown well-graded gravelly SAND, f-c sand with f-m gravel, trace silt, trace wood fragments, wet	1	3	AP-SD030-01-01 PCB Analysis
			Core completed at 3 inches bgs.			
6						
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-02

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 8

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SW	Gray to dark gray well graded gravelly SAND,f-c sand with f-c gravel, trace cobbles, silt and shell fragments/ organic material, wet	1	8	AP-SD030-02-01 PCB Analysis
			Core completed at 8 inches bgs.			

12 18 24 30 36 42 48 54 60 66 72

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LOG OF BORING SD030-03

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 13

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0						
6		SW	Well graded gravelly SAND, m-c sand, f-c gravel, trace cobble(>2 in. diameter), trace shells and shell fragments,slight odor, wet	1	13	AP-SD030-03-01 PCB Analysis
12			Core completed at 13 inches bgs.			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-04

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/14/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	: 16
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0						
6		SW	Brown/ tan well graded f-c SAND and f-m gravel, shells and shell fragments,trace silt and clay, wet	1	16	AP-SD030-04-01 PCB Analysis
12						
			Core completed at 16 inches bgs.			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-05

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 7

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown/gray poorly graded f-c SAND with trace f-m gravel, trace shell fragments, organic material, wet	1	7	AP-SD030-05-01 PCB Analysis
6			Core completed at 7 inches bgs.			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-06

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates : .

Borehole Diameter (in.) : 3
Total Recovery (in.) : 6

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray f-c SAND with little silt, trace f-m gravel and shell fragments, wet	1	6	AP-SD030-06-01 PCB Analysis
6			Core completed at 6 inches bgs.			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-07

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates : .

Borehole Diameter (in.): 3
Total Recovery (in.) : 11

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Well graded gravelly SAND with some silt, trace clay, m-c sand, f-c gravel, trace cobble(>2 in. diameter), trace shell fragments, slight odor, wet	1	11	AP-SD030-07-01 PCB Analysis
6						
12			Core completed at 11 inches bgs.			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-08

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 7

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SP	Gray/black SG f-c SAND with trace fine gravel, shells and shell fragments, slight odor, wet	1	7	AP-SD030-08-01 PCB Analysis
			Core completed at 7 inches bgs.			

0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

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LOG OF BORING SD030-09

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/17/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates

Borehole Diameter (in.) 4
Total Recovery (in.) 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown fine SAND, trace silt, roots, organic matter increase in roots and silt with depth. bottom 1 in. is black silt with trace sand, moist.	1	6	AP-SD030-09-01 PCB Analysis
6		SP	Tan fine, well sorted SAND, trace roots, slight odor, moist.	2	6	AP-SD030-09-02 PCB Analysis
12		SP	Same as above, increase in silt content with depth.	3	6	AP-SD030-09-03 PCB Analysis
18		ML	Black SILT (organic), trace roots and fine sand, slight odor, moist.	4	6	AP-SD030-09-04 PCB Analysis
24		ML	Same as above, increase in poorly sorted gravel with depth, some silt, trace fine sand at 33 in., slight odor, wet.	5	12	AP-SD030-09-05 (Duplicate Sample Collected) PCB Analysis
36		ML	Same as above, poorly sorted gravel (rounded to subrounded), trace slag.	6	12	AP-SD030-09-06 PCB Analysis
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

LOG OF BORING SD030-10

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 12

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT, sheen, slight odor, trace f-m sand around outside of tube.	1	6	AP-SD030-10-01 PCB Analysis
6		SP	Black to gray f-c SAND with f-m gravel at bottom 1 in., wet.	2	6	AP-SD030-10-01 PCB Analysis
12			Core completed at 12 inches bgs.			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-11

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase Ii
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 5

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown to gray poorly graded f-c SAND with trace coarse gravel, silt, shell fragments, > 2 in. diameter cobbles, wet.	1	5	AP-SD030-11-01 PCB Analysis
6			Core completed at 5 inches bgs.			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-12

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 5

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Dark brown to gray well graded gravelly SAND (f-c sand with f-m gravel), fine shell fragments, trace silt.	1	5	AP-SD030-12-01 PCB Analysis
6			Core completed at 5 inches bgs.			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-13

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 7

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SW	Gray to brown well graded gravelly SAND (f-c sand, f-c gravel), trace silt, shells and shell fragments, wet.	1	7	AP-SD030-13-01 PCB Analysis
6			Core completed at 7 inches bgs.			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-14

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 14

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0						
6		SW	Brown well graded sandy GRAVEL - gravelly SAND, f-c SAND, f-c gravel, trace silt, shell fragments, organic matter, wet.	1	14	AP-SD030-14-01 PCB Analysis
12						
			Core completed at 14 inches bgs.			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-15

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 3

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown well graded gravelly SAND (f-c sand, f-c gravel), shell fragments, silt, wet.	1	3	AP-SD030-15-01 ~~PCB Analysis~~
			Core completed at 3 inches bgs.			
6						
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-16

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/17/01	Borehole Diameter (in)	4
Drilling Method	Hand Auger	Total Recovery (in)	46
Drilled By	. Joe Ruiz		
Logged By	. Jose Moreno		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace sand, organic matter, roots, clay, slight odor, slightly moist.	1	6	AP-SD030-16-01 PCB Analysis
6		SP	Light brown fine SAND (rounded to subrounded), trace roots, silt, slight odor, slightly moist.	2	6	AP-SD030-16-02 PCB Analysis
12		ML	Gray sandy SILT, trace roots, organic matter and clay, increase in silt with depth, slight odor, moist.	3	12	AP-SD030-16-03 PCB Analysis
24		ML	Dark gray to black sandy SILT, trace roots and fine gravel (rounded to subrounded), slight odor, moist.	4	12	AP-SD030-16-04 PCB Analysis
36		ML	Black organic SILT, trace sand, roots and shell fragments, trace slag, bottom 2 in. trace fine gravel and wet, slight odor.	5	10	AP-SD030-16-05 PCB Analysis
42						
48			Core completed at 46 inches bgs.			
54						
60						
66						
72						

LOG OF BORING SD030-17

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/16/01	Borehole Diameter (in.)	: 4
Drilling Method	: Hand Auger	Total Recovery (in.)	: 54
Drilled By	: Joe Ruiz		
Logged By	: Jose Moreno		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, trace sand, organic matter and roots, trace clay, slight odor, slightly moist.	1	6	AP-SD030-17-01 PCB Analysis
6		ML	Gray clayey SILT, trace organic matter, roots and fine sand, slight odor, slightly moist.	2	6	AP-SD030-17-02 PCB Analysis
12		ML	Same as above, less clay, wood present at 20 in. and increasing wood content with depth.	3	12	AP-SD030-17-03 PCB Analysis
24		ML	Same as above.	4	6	AP-SD030-17-04 PCB Analysis
30		CL	Gray silty CLAY, trace fine sand and shell fragments, organic matter, slight odor, moist.	5	6	AP-SD030-17-05 PCB Analysis
36		CL	Same as above, increase in sand with depth.	6	6	AP-SD030-17-06 PCB Analysis
42		ML	Dark gray SILT, trace fine sand increasing with depth, trace fine shells, very little organic matter, slight odor, wet.	7	12	AP-SD030-17-07 PCB Analysis
54			*Core completed at 54 inches bgs.*			
60						
66						
72						

LOG OF BORING SD030-18

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 21

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Gray to black well graded gravelly SAND (f-c sand with fine gravel), shells, shell and wood fragments, wet.	1	6	AP-SD030-18-01 PCB Analysis
6		SW	Same as above.	2	6	AP-SD030-18-02 PCB Analysis
12		SW	Same as above.	3	9	AP-SD030-18-03 PCB Analysis
18						
			Core completed at 21 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-19

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 7

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SP	Gray poorly graded f-c SAND, trace fine gravel, silt and shell fragments, wet.	1	7	AP-SD030-19-01(Duplicate Sample Collected) PCB Analysis
			Core completed at 7 inches bgs.			

0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

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LOG OF BORING SD030-20

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/16/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace organic matter, roots, slight odor, slightly moist.	1	6	AP-SD030-20-01 PCB Analysis
6		ML	Same as above, some clay.	2	6	AP-SD030-20-02 PCB Analysis
12 18		ML	Same as above, increase in clay with depth, trace roots.	3	12	AP-SD030-20-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Same as above.	4	6	AP-SD030-20-04 PCB Analysis
30 36		SM	Dark tan silty SAND, trace shells, organic matter and roots, moisture and sand increase with depth.	5	12	AP-SD030-20-05 PCB Analysis
42		ML	Dark brown to black organic SILT, trace shell fragments and wood, slight odor, wet.	6	6	AP-SD030-20-06 PCB Analysis
48 54		ML	Black organic SILT, some poorly sorted gravel (well rounded to rounded), trace wood and shell fragments, slight odor, wet. gravel and shells decrease with depth.	7	12	AP-SD030-20-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SD030-22

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/17/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown sandy SILT, roots, no odor, dry.	1	6	AP-SD030-22-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD030-22-02 PCB Analysis
12		ML	Brown SILT with some sand, roots, organic matter (wood pieces), no odor, slightly moist.	3	12	AP-SD030-22-03 PCB Analysis
24		SM	Brown silty SAND, mottling of black silt and red sand, roots, trace clay, no odor, slightly moist.	4	12	AP-SD030-22-04 PCB Analysis
36		SM	Gray silty SAND, organic matter, slight odor, very moist.	5	12	AP-SD030-22-05 PCB Analysis
48		ML	Gray SILT with some fine sand, organic odor, moist. silt with coarse sand and gravel at bottom.	6	12	AP-SD030-22-06 (Duplicate Sample Collected) PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SD030-23

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/17/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 42

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown / gray sandy SILT, roots, organic matter (wood pieces), trace clay, no odor, dry.	1	6	AP-SD030-23-01 PCB Analysis
6		SP	Light brown SAND with some silt, roots, shells, organic matter, no odor, dry.	2	6	AP-SD030-23-02 PCB Analysis
12		SM	Brown / gray sandy SILT, roots, organic matter (wood pieces), trace clay, no odor, slightly moist.	3	12	AP-SD030-23-03 PCB Analysis
18		ML	Gray SILT with sand, mottling with red sand, roots, organic matter, no odor, moist.			
24		SP	Gray SAND with some silt, no odor, wet.	4	12	AP-SD030-23-04 PCB Analysis
30		SP	Gray fine SAND with silt, no odor, wet.	5	6	AP-SD030-23-05 PCB Analysis
36						
42			Core completed at 42 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SD030-24

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/17/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.): 4
Total Recovery (in.) : 42

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, trace sand, organic matter and roots, slight odor, slightly moist.	1	6	AP-SD030-24-01 PCB Analysis
6		ML	Gray SILT, some clay, trace sand, roots and organic matter slight odor, slightly moist.	2	6	AP-SD030-24-02 PCB Analysis
12		ML	Same as above.	3	6	AP-SD030-24-03 PCB Analysis
18		ML	Reddish-brown sandy SILT, trace roots, organic matter, fine gravel and clay, slight odor, moist.	4	6	AP-SD030-24-04 PCB Analysis
24		ML	Dark brown SILT, trace sand and gravel (poorly sorted, rounded to subrounded) increasing with depth, trace roots and organic matter, slight odor, moist.	5	6	AP-SD030-24-05 PCB Analysis
30		GP	Light brown GRAVEL (poorly sorted, rounded to subrounded), trace sand and slag, no odor, very moist.	6	12	AP-SD030-24-06 PCB Analysis
42			Core completed at 42 inches bgs.			
48						
54						
60						
66						
72						

LOG OF BORING SD030-25

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 5

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown well graded gravelly SAND (f-c sand with some f-c gravel),silt, trace cobble(>2 in. diameter),shell fragments, organic matter, wet.	1	5	AP-SD030-25-01 PCB Analysis
6			Core completed at 5 inches bgs.			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-26

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/16/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in): 4
Total Recovery (in) : 54

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, some fine sand, trace organic matter, slight odor, slightly moist.	1	6	AP-SD030-26-01 PCB Analysis
6		ML	Light brown sandy SILT, trace organic matter and shells, slight odor, slightly moist.	2	6	AP-SD030-26-02 PCB Analysis
12		ML	Dark brown SILT, trace fine sand and organic matter, trace clay, slight odor, slightly moist. *increase in clay with depth.*	3	12	AP-SD030-26-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Light brown clayey SILT, some sand (increasing with depth), trace shells and f-m gravel (rounded to subrounded), slight odor, moist.	4	10	AP-SD030-26-04 PCB Analysis
36		ML	Dark brown to black SILT, trace clay, organic matter and fine sand, trace shell fragments and fine gravel. sand *content decreases with depth.*	5	14	AP-SD030-26-05 PCB Analysis
48		ML	Dark brown SILT, some fine sand, trace shells and organic matter, slight odor, moist.	6	6	AP-SD030-26-06 PCB Analysis
54			Core completed at 54 inches bgs.			
60						
66						
72						

LOG OF BORING SD030-27

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/16/01
Drilling Method : Hand Push
Drilled By : J. Ruiz / S. Meyer
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.). 3
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, trace organic matter and clay, very little sand, slight odor, moist.	1	6	AP-SD030-27-01 PCB Analysis
6		ML	Same as above, some clay.	2	6	AP-SD030-27-02 PCB Analysis
12		ML	Same as above.	3	6	AP-SD030-27-03 PCB Analysis
18		ML	Dark brown clayey SILT, trace sand and organic matter, shell fragments, slight odor, moist.			
24		ML	Same as above.	4	12	AP-SD030-27-04 PCB Analysis
30		ML	Dark brown SILT, trace clay, organic matter, shell fragments and fine sand, faint odor, moist.	5	12	AP-SD030-27-05 PCB Analysis
42		ML	Dark gray SILT, trace shells and organic matter, faint odor, very moist.	6	12	AP-SD030-27-06 PCB Analysis
54		ML	Same as above, trace fine sand.	7	6	AP-SD030-27-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SD030-28

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/16/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Jose Moreno
X, Y Coordinates

Borehole Diameter (in.) 4
Total Recovery (in.) : 60

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Light brown fine SAND, trace organic matter, moist.			
		SM	Dark brown silty SAND, trace organic matter, slight odor, moist.	1	6	AP-SD030-28-01 PCB Analysis
6		ML	Brown SILT, some sand, trace organic matter (wood), trace clay, slight odor, moist.	2	6	AP-SD030-28-02 PCB Analysis
12		ML	Dark brown SILT, some clay, trace organic matter and sand, slight odor, moist. clay content increasing with depth.	3	12	AP-SD030-28-03 PCB Analysis
24		ML	Dark brown to black SILT, trace clay (decreases with depth), trace fine sand, organic matter and shell fragments, slight odor, moist.	4	12	AP-SD030-28-04 PCB Analysis
36		SP	Dark tan fine SAND, some shells, trace organic matter, slight odor, wet. sand grain and shell grain decreasing with depth.	5	12	AP-SD030-28-05 PCB Analysis
48		SP	Same as above, trace f-m gravel (rounded to subrounded).	6	6	AP-SD030-28-06 PCB Analysis
54		GP	Dark tan poorly sorted GRAVEL (rounded to subrounded), trace shells and poorly sorted sand, faint odor, wet.	7	6	AP-SD030-28-07 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

LOG OF BORING SD030-29

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	08/16/01	Borehole Diameter (in.)	4
Drilling Method	Hand Auger	Total Recovery (in.)	42
Drilled By	J. Ruiz / S. Meyer		
Logged By	Jose Moreno		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, some clay, little sand, slight odor, slightly moist.	1	6	AP-SD030-29-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD030-29-02 PCB Analysis
12		ML	Same as above, trace light brown fine sand, trace slag.	3	6	AP-SD030-29-03 PCB Analysis
18		ML	Dark brown sandy SILT, trace shells and organic matter, moist.	4	6	AP-SD030-29-04 PCB Analysis
24		SP	Dark brown fine SAND, trace organic matter, wet.	5	6	AP-SD030-29-05 (Duplicate Sample Collected) PCB Analysis
30		ML	Dark brown sandy SILT, trace organic matter, moist.	6	6	AP-SD030-29-06 PCB Analysis
36		ML	Dark brown SILT, trace fine sand, little organic matter, wet.	7	6	AP-SD030-29-07 PCB Analysis
42			Core completed at 42 inches bgs.			
48						
54						
60						
66						
72						

LOG OF BORING SD030-30

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) 3
Total Recovery (in.) 30

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Brown silty fine SAND, trace fine gravel, organic matter, wet.	1	4	AP-SD030-30-01 PCB Analysis
6		SP	Gray poorly graded f-c SAND with fine gravel, trace silt and organic matter, wet.	2	8	AP-SD030-30-02 PCB Analysis
12		SP	Same as above.	3	6	AP-SD030-30-03 PCB Analysis
18		SP	Black-dark gray clayey SILT with trace fine sand, organic matter (leaf fragments), shell fragments, f-m gravel, slight odor, wet..	4	12	AP-SD030-30-04 (Duplicate Sample Collected) PCB Analysis
30			Core completed at 30 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

LOG OF BORING SD030-31

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/17/01
Drilling Method : Hand Auger
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) : 4
Total Recovery (in.) : 54

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace sand, clay, organic matter and roots, slight odor, slightly moist.	1	6	AP-SD030-31-01 PCB Analysis
6		ML	Same as above, increase in clay with depth.	2	6	AP-SD030-31-02 PCB Analysis
12		ML	Same as above, becoming a clayey silt at 13 in.	3	6	AP-SD030-31-03 PCB Analysis
18		ML	Reddish-brown SILT, trace sand, roots and clay, trace shell fragments, slight odor, moist.	4	6	AP-SD030-31-04 PCB Analysis
24		ML	Same as above.	5	12	AP-SD030-31-05 PCB Analysis
36		ML	Dark gray organic SILT, trace sand, roots and shell fragments, trace wood, slight odor, moist. bottom 2 in. becoming wet.	6	12	AP-SD030-31-06 PCB Analysis
48		ML	Dark gray SILT, trace sand and organic matter, trace shell fragments, slight odor, moist.	7	6	AP-SD030-31-07 PCB Analysis
54			Core completed at 54 inches bgs.			
60						
66						
72						

LOG OF BORING SD030-32

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/16/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		GP	Gray GRAVEL with trace silt and sand, no odor, wet.	1	4	AP-SD030-32-01 PCB Analysis
6		SM	Black / gray silty SAND, slight organic odor, wet.	2	8	AP-SD030-32-02 PCB Analysis
12		SM	Gray silty SAND, fine sand, some shells, no odor, moist.	3	12	AP-SD030-32-03 PCB Analysis
24		SM	Same as above.	4	12	AP-SD030-32-04 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-33

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/17/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in)	48
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT with sand, wood pieces, roots, no odor, dry.	1	6	AP-SD030-33-01 PCB Analysis
6		ML	Light brown SILT with trace sand and clay, wood pieces, roots, no odr, dry.	2	6	AP-SD030-33-02 PCB Analysis
12		ML	Gray SILT with trace clay and sand, roots, organic matter, no odor, slightly moist.			
18		ML	Brown/gray SILT with trace clay, roots, no odor, slightly moist. light brown f-m sand with red mottling at bottom.	3	12	AP-SD030-33-03 PCB Analysis
24		SP	Brown SAND with silt mottled with black silty sand and red sand, roots, shells, slight odor, slightly moist.	4	6	AP-SD030-33-04 PCB Analysis
30		SM	Gray-black silty fine SAND, shells, organic matter, roots, organic odor, slightly moist.	5	6	AP-SD030-33-05 PCB Analysis
36		SP	Gray fine SAND with trace silt, mottling of red and black sand, shells, roots, rock, slight odor, moist.	6	12	AP-SD030-33-06 PCB Analysis
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

LOG OF BORING SD030-34

WESTON — MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/16/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) : 54

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, trace organic matter, fine sand and clay, no odor, slightly moist.	1	6	AP-SD030-34-01 PCB Analysis
6		ML	Dark brown SILT, trace organic matter, sand (increases with depth) and clay, moist.	2	6	AP-SD030-34-02 PCB Analysis
12		ML	Same as above, clay increasing with depth.	3	6	AP-SD030-34-03 PCB Analysis
18		ML	Dark brown clayey SILT, trace shell fragments and organic matter (wood), faint odor, moist.	4	6	AP-SD030-34-04 PCB Analysis
24		ML	Dark brown to black SILT, trace organic matter (wood) and shell fragments, slight odor, moist.	5	6	AP-SD030-34-05 PCB Analysis
30		ML	Dark gray SILT, trace organic matter (wood) and shell fragments, slight odor, moist.			
36		ML	Same as above, increased rate of decomposition with depth.	6	12	AP-SD030-34-06 PCB Analysis
42		GP	Dark gray poorly sorted GRAVEL (rounded to subrounded), trace poorly sorted sand and shells, no odor, wet.	7	12	AP-SD030-34-07 PCB Analysis
54			Core completed at 54 inches bgs.			
60						
66						
72						

WESTON
MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SD030-35

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/14/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 3

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown poorly graded gravelly f-c SAND with fine gravel, trace silt, shells and shell fragments, organic matter,wet.	1	3	AP-SD030-35-01 PCB Analysis
			Core completed at 3 inches bgs.			
6						
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD030-36

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/16/01
Drilling Method : Hand Auger
Drilled By : J. Ruiz / S. Meyer
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in.) 4
Total Recovery (in.) 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace clay, organic matter and sand, trace shells and plastic, slight odor, slightly moist.	1	6	AP-SD030-36-01 PCB Analysis
6		SM	Dark brown silty SAND, trace organic matter (wood), plastic, slight odor, slightly moist.	2	6	AP-SD030-36-02 PCB Analysis
12		SM	Same as above, trace shells. organic silt at 17 in.	3	6	AP-SD030-36-03 PCB Analysis
18		ML	Dark gray organic SILT, trace sand and roots, slight odor, moist.	4	6	AP-SD030-36-04 PCB Analysis
24		ML	Same as above, trace wood, wet .	5	12	AP-SD030-36-05 (Duplicate Sample Collected) PCB Analysis
36		GP	Black poorly sorted GRAVEL (well rounded to rounded), trace poorly sorted sand and shells, trace silt at 36-37 in. decreasing with depth.	6	12	AP-SD030-36-06 PCB Analysis
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

GRID 6

SL012

LOG OF BORING SL012-01

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/21/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) : 0-18"(Auger)
18-46"(Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brownish gray SILT, some clay and roots, moist, slight odor.	1	6	AP-SL012-01-01 PCB Analysis
6		SP	Gray coarse SAND, well sorted, trace silt and shell fragments, wet, faint odor.	2	6	AP-SL012-01-02 PCB Analysis
12		SP	As above, decrease in grain size with depth.	3	6	AP-SL012-01-03 PCB Analysis
18		SP	Gray fine to corse poorly graded SAND, trace silt, organic matter, shell fragments, roots - wet.	4	4	AP-SL012-01-04 PCB Analysis
24		SP	Gray fine to medium poorly graded SAND, same as above. 1" black clayey silt lense @ 27", wet.	5	5	AP-SL012-01-05 PCB Analysis
30		SP	Dark gray to black silty SAND with trace clay, shell fragments, moist to wet.	6	10	AP-SL012-01-06 PCB Analysis
36		ML	Black clayey SILT with traces organic matter, leaf fragments and debris, moist to wet.			
		SP	Dark gray to black silty SAND, trace clay.			
42		ML	Black clayey SILT with trace organic matter, leaf and shell fragments, moist to wet.	7	9	AP-SL012-01-07 PCB Analysis
48			Core completed at 46 inches bgs.			
54						
60						
66						
72						

WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL012-02

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/22/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand push	Total Recovery (in)	0-18" (Auger)
Drilled By	: Joe Ruiz		18-55" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT with trace clay and organic matter, roots, moist to wet.	1	6	AP-SL012-02-01 PCB Analysis
6		SP	Gray to brown silty fine to coarse SAND, trace organic matter, shell fragments, wet.	2	6	AP-SL012-02-02 PCB Analysis
12				3	6	AP-SL012-02-03 PCB Analysis
18		SP	Brown to dark brown coarse SAND, rounded, trace roots, shells, fine to medium gravel, slag, wet, grain size decreasing with depth, trace silt.	4	12	AP-SL012-02-04 PCB Analysis
30		SP	Dark brown SAND, as above.	5	7	AP-SL012-02-05 PCB Analysis
36		ML	Black organic SILT, trace roots, moist, slight odor, trace shell fragments increasing with depth.	6	8	AP-SL012-02-06 PCB Analysis
42						
48		SP	Dark tan fine SAND, trace shell fragments, moist, slight odor.	7	6	AP-SL012-02-07 PCB Analysis
54		ML	Black SILT, trace fine sand and organics, moist, slight odor, trace medium gravel increasing with depth.			
			Core completed at 55 inches bgs.			
60						
66						
72						

LOG OF BORING SL012-03

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/22/01	Borehole Diameter (in) :	
Drilling Method	: Hand Auger/Hand push	Total Recovery (in)	: 0-12" (Auger)
Drilled By	: Joe Ruiz		: 12-44" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to gray mottled clayey SILT with traces of fine gravel and organic matter, shell fragments, moist to wet.	1	6	AP-SL012-03-01 PCB Analysis
6		SP	Brown silty fine to coarse SAND with trace organic matter, roots and shell fragments, wet.	2	6	AP-SL012-03-02 PCB Analysis
12		SP	Dark brown poorly sorted SAND, rounded to subangular, trace shells, slag, roots, fine gravel, silt. Grain size decreasing with depth.	3	12	AP-SL012-03-03 PCB Analysis
24		SP	As above, dark tan, no roots observed.	4	4	AP-SL012-03-04 PCB Analysis
30		ML	Black organic SILT, trace roots and organic matter, trace woood, moist, light odor.	5	12	AP-SL012-03-05 PCB Analysis
42		SP	Black fine SAND, some silt	6	4	AP-SL012-03-06 PCB Analysis
		ML	Black organic SILT as 28-40"			
		SP	Black fine SAND, some silt and shells.			
		ML	Black organic SILT, trace shells, moist, slight odor			
			Core completed at 44 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SL012-04

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/22/01
Drilling Method : hand push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in.) : 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		ML	Light gray clayey SILT with trace organic matter, roots, leaf fragments, moist to wet.	1	7	AP-SL012-04-01 PCB Analysis
6 – 18		SW	Gray well graded fine to coarse SAND, trace organic matter, shell fragments, roots, with thin (<1/2") silty clayey flow from above, with gray poorly graded fine to medium sand, trace silt , fine gravel, shell fragments near bottom.	2	16	AP-SL012-04-02 PCB Analysis
18 – 36		ML	Dark gray clayey SILT with trace organic matter, leaf fragments, with lenses of fine to coarse sand with shells at 25" and fine to medium siilty sand at 31-33" and at bottom clayey silt with fine to medium gravel with shell fragments.	3	13	AP-SL012-04-03 PCB Analysis
36			Core completed at 36 inches bgs.			

Depth scale: 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

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LOG OF BORING SL012-05

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/22/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in.) : 0-6" (Auger) : 6-40" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark gray to gray clayey SILT trace organic matter, roots, moist to wet.	1	6	AP-SL012-05-01 PCB Analysis
6				2	6	AP-SL012-05-02 PCB Analysis
12		SP	Dark tan to black poorly graded SAND, trace shells and fine gravel, subrounded to subangular, wet, faint odor.	3	8	AP-SL012-05-03 PCB Analysis
18		ML	Dark tan SILT, some clay, moist.			
		SP	Dark tan poorly graded SAND, trace shells, fine gravel.			
		SP	Black clayey SILT, trace sand.	4	6	AP-SL012-05-04 PCB Analysis
24		SP	Dark tan poorly graded SAND, trace organics, shell fragments and fine gravel, wet, slight odor			
30		ML	Black clayey SILT, trace trrots, very moist, slight odor.	5	6	AP-SL012-05-05 PCB Analysis
		SP	Dark tan fine SAND, trace shell fragments, wet.	6	4	AP-SL012-05-06 PCB Analysis
36		SP	Black silty SAND, trace shell fragments, very moist. Some black clayey silt, and some black silty sand with a trace of poorly sorted rounded gravel, wet.			
		ML	Black clayey SILT, trace poorly sorted rounded gravel, moist, slight odor.	7	4	AP-SL012-05-06 PCB Analysis
42			Core completed at 40 inches bgs.			
48						
54						
60						
66						
72						

WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL012-06

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/22/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	0-24" (Auger)
Drilled By	: Joe Ruiz		24-62" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT with traces of organic matter and roots, dry.	1	6	AP-SL012-06-01 PCB Analysis
6		SP	Brown fine to coarse SAND with some silt and trace organic matter, dry.	2	6	AP-SL012-06-02 PCB Analysis
12		SP	Same as above, wet.	3	12	AP-SL012-06-03 PCB Analysis
24		SW	Brown grading to gray well graded fine to coarse SAND with traces of fine to medium gravel, shell fragments, trace silt, organic matter, debris, wet.	4	18	AP-SL012-06-04 PCB Analysis
42		ML	Black to dark gray clayey SILT with trace organic matter, leaf fragments and shell fragments.	5	6	AP-SL012-06-05 PCB Analysis
48		SP	Black to dark gray silty fine SAND, trace organic matter, shell fragments.			
54		ML	Black to dark gray clayey SILT with trace organic matter, leaf fragments with lenses of fine to medium silty sand with shells at 55-56".	6	14	AP-SL012-06-06 PCB Analysis
60						
66			Core completed at 62 inches bgs.			
72						

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LOG OF BORING SL012-07

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/22/01
Drilling Method : hand push
Drilled By : Joe Ruiz
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in) :
Total Recovery (in.) : 25

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray to dark gray clayey SILT, trace roots, very moist, faint odor.	1	8	AP-SL012-07-01 PCB Analysis
6		SP	Dark gray poorly graded SAND, subrounded to subangular, trace fine gravel, shells and silt, wet, grain size becoming fine between 12-18", then becoming coarse to 22", including trace rounded to well rounded gravel.	2	14	AP-SL012-07-02 PCB Analysis
12						
18		ML	Dark gray clayey SILT, trace medium grained sand, very moist, slight odor.	3	3	AP-SL012-07-03 PCB Analysis
24			Core completed at 25 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL012-08

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/22/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in)
Total Recovery (in.) 0-24" (Auger)
24-60" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown to dark brown SILT with trace clay, organic matter, and roots.	1	6	AP-SL012-08-01 PCB Analysis
6		SM	Brown to gray silty fine to coarse SAND, organic matter, dry.	2	6	AP-SL012-08-02 PCB Analysis
12		SM	Brown silty fine SAND, trace organic matter, shell fragments, fine to medium gravel.	3	12	AP-SL012-08-03 PCB Analysis
24		SP	Brown to dark brown poorly sorted SAND, trace shells, roots and fine gravel (well rounded to rounded) becoming finer with depth to 36", increase in shells from 36-38", wet, faint odor.	4	12	AP-SL012-08-04 PCB Analysis
36		SP	Black clayey SILT, trace roots, very moist, slight odor.			
42		ML	Dark gray silty sand, trace shell fragments, wet, slight odor.	5	11	AP-SL012-08-05 PCB Analysis
48		SM	Black clayey SILT, trace organics, very moist, slight odor.			
		ML	Dark tan silty SAND, trace shell fragments, very moist.			
54		SM	Black clayey silt, some organic matter, decreasing with depth.	6	11	AP-SL012-08-06 PCB Analysis
		ML	Black SILT, trace shells and wood and organics, wet.			
60		ML	Black clayey SILT, some shells and fine gravel, moist, slight odor.			
66			Core completed at 62 inches bgs.			
72						

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LOG OF BORING SL012-09

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/22/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in) .
Total Recovery (in.) : 0-18" (Auger)
: 18-51" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, organic matter, roots, shells, dry.	1	6	AP-SL012-09-01 PCB Analysis
6		SM	Brown silty f-c SAND, trace organic matter, shell fragments, gravel, dry.	2	6	AP-SL012-09-02 PCB Analysis
12		SM	Same as above, with trace f-m gravel, wet.	3	6	AP-SL012-09-03 PCB Analysis
18		SP	Brown well graded f-c SAND with trace f-m gravel, organic matter, shell fragments, wet. bottom 2 inches was gray in color.	4	14	AP-SL012-09-04 PCB Analysis
30		ML	Black to dark brown clayey SILT.			
36		SM	Dark gray silty fine SAND, trace shell fragments.	5	8	AP-SL012-09-05 (Duplicate Sample Collected) PCB Analysis
42		ML	Black clayey SILT, trace organic matter (leaf fragments), shell fragments.	6	11	AP-SL012-09-06 PCB Analysis
48						
54			Core completed at 51 inches bgs.			
60						
66						
72						

LOG OF BORING SL012-10

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/22/01
Drilling Method : Hand Auger/Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) : 0-24" (Auger)
: 24-62" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to brown SILT, trace organic matter, roots, dry.	1	6	AP-SL012-10-01 PCB Analysis
6		SP	Brown f-c SAND, trace silt, shell fragments, dry.	2	6	AP-SL012-10-02 PCB Analysis
12		SP	Brown f-c SAND, wet.	3	12	AP-SL012-10-03 PCB Analysis
24		SM	Gray poorly graded silty f-c SAND with trace organic matter, shells, f-m gravel, wet.	4	11	AP-SL012-10-04 PCB Analysis
30		SP	Gray poorly graded f-m SAND with trace silt, organic matter, shells. gap from 30" - 31".			
36		ML	Gray to black clayey SILT with trace organic matter.	5	5	AP-SL012-10-05 (Duplicate Sample Collected) PCB Analysis
42		SM	Gray silty SAND.	6	9	AP-SL012-10-06 PCB Analysis
		SM	Silty SAND, f-c sand, trace f-m gravel, shell fragments.			
48		ML	Gray f-m SAND, trace silt, shell fragments.			
54		ML	Black clayey SILT with trace organic matter (leaf fragments), shells.	7	8	AP-SL012-10-07 PCB Analysis
60		SM	Gray to black silty f-m SAND, trace clay to clayey silt at bottom with shell fragments. gap from 57" - 59".	8	5	AP-SL012-10-08 PCB Analysis
66			Core completed at 62 inches bgs.			
72						

LOG OF BORING SL012-11

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/20/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	: 0-24" (Auger)
Drilled By	: Joe Ruiz		. 24-38" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown to dark brown clayey SILT with organic matter, roots, moist-wet.	1	6	AP-SL012-11-01 PCB Analysis
6		ML	Dark brown to gray clayey SILT with f-c sand, gravel, organic matter, roots, and shells at bottom, moist-wet.	2	6	AP-SL012-11-02 PCB Analysis
12		ML	Gray and mottled black SILT with trace clay, organic matter (leaf fragments), shells, trace fine gravel and f-c sand at bottom, wet.	3	12	AP-SL012-11-03 PCB Analysis
24		SP	Gray to dark gray well graded gravelly SAND (f-c sand), f-m gravel, trace silt, organic matter (wood fragments), shell fragments, wet.	4	10	AP-SL012-11-04 (Duplicate Sample Collected) PCB Analysis
36		ML	Dark gray to black clayey SILT with trace wood fragments, cobbles, slight odor, wet.	5	4	AP-SL012-11-05 PCB Analysis
			Core completed at 38 inches bgs.			
42						
48						
54						
60						
66						
72						

LOG OF BORING SL012-12

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/22/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-12" (Auger)
Drilled By	: Joe Ruiz		: 12-42" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to gray clayey SILT, trace organic matter, roots (granular texture), moist-wet.	1	6	AP-SL012-12-01 PCB Analysis
6		ML	Dark brown to gray SILT with some clay, trace organic matter (granular texture), moist-wet.	2	6	AP-SL012-12-02 PCB Analysis
12		SW	Brown well graded f-c SAND with trace silt, organic matter, shell fragments, wet.	3	14	AP-SL012-12-03 PCB Analysis
30		ML	Dark gray to black clayey SILT with trace organic matter, shell fragments.	4	10	AP-SL012-12-04 (Duplicate Sample Collected) PCB Analysis
42		SM	Dark gray to black f-m silty SAND, bottom 1 in. of black clayey silt with shell fragments.	5	4	AP-SL012-12-05 PCB Analysis
			Core completed at 42 inches bgs.			

Depth scale: 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

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LOG OF BORING SL012-13

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
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Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/21/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	: 0-24" (Auger)
Drilled By	: J. Ruiz / S Meyer		: 12-44" (Push)
Logged By	: Jose Moreno		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, some roots, trace clay and gravel, slight odor, moist.	1	6	AP-SL012-13-01 PCB Analysis
6		ML	Same as above, with no gravel.			
		ML	Gray SILT, trace clay, roots, slight odor, moist.	2	6	AP-SL012-13-02 PCB Analysis
12		ML	Same as above, clay decreases with depth.	3	6	AP-SL012-13-03 PCB Analysis
18		ML	Dark gray SILT, trace organic matter, slight odor, very moist.	4	6	AP-SL012-13-04 (Duplicate Sample Collected) PCB Analysis
24		SP	Dark gray medium grain SAND, some silt, trace poorly sorted gravel, and shells.	5	18	AP-SL012-13-05 PCB Analysis
30						
36						
42			Core completed at 42 inches bgs.			
48						
54						
60						
66						
72						

LOG OF BORING SL012-14

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/21/01	Borehole Diameter (in)	4
Drilling Method	: Hand Auger	Total Recovery (in.)	24
Drilled By	: J. Ruiz / S. Meyer		
Logged By	: Jose Moreno		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown sandy SILT, trace roots and poorly sorted gravel, slight odor, moist.	1	6	AP-SL012-14-01 PCB Analysis
6		SW	Brown silty fine SAND, well sorted, trace silt, roots and poorly sorted gravel, slight odor, moist.	2	6	AP-SL012-14-02 PCB Analysis
12		SW	Same as above, silt decreases with depth, trace cobble (subrounded). Refusal at 24 in.	3	12	AP-SL012-14-03 PCB Analysis
24			Core completed at 24 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

LOG OF BORING SL012-15

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/22/01	Borehole Diameter (in) :	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	: 0-6" (Auger)
Drilled By	: Joe Ruiz		: 6-33" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown to gray clayey SILT with trace organic matter, roots, wet.	1	6	AP-SL012-15-01 PCB Analysis
6		ML	Gray to light gray clayey SILT with trace organic matter (leaf fragments), roots, wet.	2	12	AP-SL012-15-02 (Duplicate Sample Collected) PCB Analysis
18		SP	Gray well graded f-m SAND with trace silt, shell fragments.	3	7	AP-SL012-15-03 PCB Analysis
24		SP	Gray well graded f-m SAND with trace shell fragments, coarse sand..	4	8	AP-SL012-15-04 PCB Analysis
30		CL	Black/dark gray silty CLAY, trace organic matter, shells.			
			Core completed at 33 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SL012-16

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/21/01
Drilling Method : Hand Auger/Hand Push
Drilled By : J. Ruiz / S. Meyer
Logged By : Jose Moreno
X, Y Coordinates

Borehole Diameter (in) :
Total Recovery (in) : 0-24" (Auger)
: 24-54" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Gray SILT with trace clay, some roots, slight odor, slightly moist.	1	6	AP-SL012-16-01 PCB Analysis
6		ML	Same as above, trace medium grained sand(rounded to subrounded)	2	6	AP-SL012-16-02 PCB Analysis
12		SP	Dark brown coarse SAND (well rounded to rounded), trace roots and silt, trace shells and shell fragments, slight odor, wet.	3	12	AP-SL012-16-03 PCB Analysis
24		SP	Gray poorly graded f-c SAND with fine gravel, trace organic matter, shell fragments, wet.	4	5	AP-SL012-16-04 PCB Analysis
30		ML	Dark gray to black clayey SILT with trace shell fragments, organic matter (leaf fragments), wet.	5	8	AP-SL012-16-05 PCB Analysis
36		SM	Dark gray to black silty SAND with trace shell fragments, wet.	6	5	AP-SL012-16-06 PCB Analysis
42		ML	Dark gray to black clayey SILT with lens of f-m sand and trace shell fragments.	7	12	AP-SL012-16-07 PCB Analysis
54			Core completed at 54 inches bgs.			
60						
66						
72						

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WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL012-17

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/21/01
Drilling Method : Hand Auger/Hand Push
Drilled By : J Ruiz / S. Meyer
Logged By : Jose Moreno
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) : 0-30" (Auger)
: 30-53" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT with trace organic matter and roots, some clay, moist.	1	6	AP-SL012-17-01 PCB Analysis
6		ML	Same as above, with increasing moisture with depth, slight odor.	2	6	AP-SL012-17-02 PCB Analysis
12		ML	Dark gray to brown SILT, trace clay, organic matter, slight odor, moist.	3	12	AP-SL012-17-03 PCB Analysis
24		SP	Gray silty SAND, trace gravel / slag, trace shells, wet.	4	6	AP-SL012-17-04 PCB Analysis
30		SW	Dark gray well graded gravelly SAND with trace organic matter (wood fragments), shell fragments, silt, (f-c sand),(f-c gravel), wet..	5	5	AP-SL012-17-05 PCB Analysis
36		SP	Dark gray poorly graded f-m SAND, trace silt.			
42		SP	Same as above, with coarser sand (f-c) and shell fragments.	6	15	AP-SL012-17-06 PCB Analysis
		SP	Dark gray poorly graded f-m SAND, trace silt, wet.			
48		SP	Black organic SILT - PEAT with wood fragments.			
		OL	Black SILT, trace shells and wood and organics, wet.	7	3	AP-SL012-17-07 PCB Analysis
54						
60			Core completed at 62 inches bgs.			
66						
72						

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LOG OF BORING SL012-18

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/20/01
Drilling Method : Hand Auger/Hand Push
Drilled By : J. Ruiz / S. Meyer
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in.) : 0-24" (Auger)
: 24-47" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT with trace f-c sand and fine gravel, organic matter, roots, moist-wet.	1	6	AP-SL012-18-01 PCB Analysis
6		ML	Gray and mottled brown clayey SILT with trace f-c sand and fine gravel, organic matter, roots, moist-wet.	2	6	AP-SL012-18-02 PCB Analysis
12		SM	Gray well graded silty SAND, f-c sand, with fine gravel, trace shell fragments, organic matter, wet.	3	12	AP-SL012-18-03 (Duplicate Sample Collected) PCB Analysis
24		SW	Gray well graded gravelly SAND, f-c sand, with fine gravel, trace silt, shell fragments, organic matter, wet.			
		ML	Dark gray to black clayey SILT with trace organic matter, shell fragments, wet.			
30		SP	Dark gray f-c well graded SAND with trace silt, shell fragments, wet.	4	14	AP-SL012-18-04 PCB Analysis
36						
		ML	Black to gray clayey SILT with organic matter (leaf fragments), moist-wet.	5	5	AP-SL012-18-05 PCB Analysis
42		SP	Gray to dark gray f-c well graded SAND with trace organic matter (leaf fragments), shell fragments, and 0.5 in. lens of f-m sand at 45 in.	6	4	AP-SL012-18-06 PCB Analysis
48			Core completed at 47 inches bgs.			
54						
60						
66						
72						

LOG OF BORING SL012-19

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/20/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-24" (Auger)
Drilled By	: Joe Ruiz		: 24-60" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to gray SILT, trace clay, organic matter, roots, dry.	1	6	AP-SL012-19-01 PCB Analysis
6		SM	Brown to dark brown silty SAND, well graded, f-c sand, fine gravel, dry.	2	6	AP-SL012-19-02 (Duplicate Sample Collected) PCB Analysis
12		SW	Brown well graded f-c SAND with little fine gravel, trace silt, shells, moist-wet.	3	12	AP-SL012-19-03 PCB Analysis
24		SW	Gray well graded gravelly SAND (f-c sand with f-m gravel), trace silt, organic matter (wood fragments), shells, wet.	4	10	AP-SL012-19-04 PCB Analysis
36		ML	Dark gray to black clayey SILT with lenses (<2 in.) of f-m sand, trace organic matter (leaf fragments), shell fragments, wet.	5	14	AP-SL012-19-05 PCB Analysis
48		ML	Same as above.	6	12	AP-SL012-19-06 PCB Analysis
60			Core completed at 60 inches bgs.			
66						
72						

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LOG OF BORING SL012-20

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/21/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	: 0-36" (Auger)
Drilled By	: J. Ruiz / S. Meyer		: 36-52" (Push)
Logged By	: Moreno / Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT, trace fine sand, roots, clay, shell fragments, slight odor, moist.	1	6	AP-SL012-20-01 PCB Analysis
6		SP	Light brown medium grained SAND (subrounded to angular), trace roots and shell fragments, trace silt, faint odor, moist.	2	6	AP-SL012-20-02 PCB Analysis
12		SP	Same as above, with increase in grain-size with depth, trace shells and silt.	3	8	AP-SL012-20-03 PCB Analysis
18		ML	Black SILT, trace fine sand, organic matter and shells, slight odor, moist.	4	4	AP-SL012-20-04 PCB Analysis
24		ML	Same as above, with increase in moisture with depth, trace wood.	5	12	AP-SL012-20-05 PCB Analysis
30		ML	Dark gray to black f-m silty SAND, trace shell fragments, trace organic matter (leaf fragments). Then, black clayey SILT with trace f-m sand, shell fragments, trace organic matter (leaf fragments), wet.	6	8	AP-SL012-20-06 PCB Analysis
36		ML	Same as above.	7	8	AP-SL012-20-07 PCB Analysis
42						
48						
54			Core completed at 52 inches bgs.			
60						
66						
72						

LOG OF BORING SL012-21

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/21/01	Borehole Diameter (in)	: 4
Drilling Method	: Hand Auger	Total Recovery (in.)	: 18
Drilled By	: J. Ruiz / S Meyer		
Logged By	: Jose Moreno		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Dark brown silty SAND, trace fine gravel (rounded to subrounded), trace roots, slight odor, slightly moist.	1	6	AP-SL012-21-01 PCB Analysis
6		SP	Tan fine SAND, well sorted, trace roots and poorly sorted gravel (rounded to subrounded).	2	6	AP-SL012-21-02 (Duplicate Sample Collected) PCB Analysis
12		SP	Same as above. Refusal at 18 in.	3	6	AP-SL012-21-03 PCB Analysis
18			Core completed at 18 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

WESTON
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LOG OF BORING SL012-22

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/21/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	0-24" (Auger)
Drilled By	: J. Ruiz / S. Meyer		24-48" (Push)
Logged By	. Moreno / Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT, some roots, slight odor, slightly moist.	1	6	AP-SL012-22-01 PCB Analysis
6		ML	Same as above to 11 in. with an increase in clay with depth. Then, a coarse tan SAND (rounded to subrounded), trace silt, moist.	2	6	AP-SL012-22-02 PCB Analysis
12		SP	Tan coarse SAND (rounded to subrounded), trace silt, organic matter, roots, slight odor, very moist.	3	12	AP-SL012-22-03 PCB Analysis
24		SP	Gray poorly graded gravelly SAND, f-m sand with fine gravel, shells and shell fragments, wet.	4	4	AP-SL012-22-04 PCB Analysis
30		ML	Dark gray to black clayey SILT with organic matter (detrius/leaf fragments), shell fragments, tr, wet.	5	5	AP-SL012-22-05 PCB Analysis
36		SM	Dark gray to black silty SAND with organic matter, shells and shell fragments, wet.	6	7	AP-SL012-22-06 PCB Analysis
42		ML	Dark gray to black clayey SILT with lenses of f-m sand, trace organic matter (leaf fragments), shell fragments and f-m gravel at bottom, wet.	7	8	AP-SL012-22-07 PCB Analysis
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

LOG OF BORING SL012-23

WESTON MANAGERS DESIGNERS CONSULTANTS

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Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/21/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in.)	0-24" (Auger) 24-36" (Push)
Drilled By	: J. Ruiz / S. Meyer		
Logged By	: Moreno / Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark gray SILT, some clay and roots, slight odor, slightly moist.	1	6	AP-SL012-23-01 PCB Analysis
6		ML	Same as above with increase in root content.	2	6	AP-SL012-23-02 PCB Analysis
12		ML	Dark brown to black SILT, trace clay, roots and organic matter, trace fine sand, slight odor, moist.	3	6	AP-SL012-23-03 (Duplicate Sample Collected) PCB Analysis
18		ML	Black SILT, trace sand, clay, roots, organic matter (wood), slight odor, moist. trace fine gravel and shell fragments.	4	6	
24		SM	Dark gray to black silty fine SAND, trace shells and organic matter (leaf fragments), f-m gravel.	5	12	AP-SL012-23-04 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

LOG OF BORING SL012-24

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/21/01	Borehole Diameter (in)	.
Drilling Method	. Hand Auger/Hand Push	Total Recovery (in)	0-24" (Auger)
Drilled By	: J. Ruiz / S. Meyer		24-42" (Push)
Logged By	: Mary Lannon		
X. Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT with trace clay, organic matter, roots, slightly moist.	1	6	AP-SL012-24-01 PCB Analysis
6		ML	Same as above, moist.	2	6	AP-SL012-24-02 PCB Analysis
12 18		ML	Dark brown and mottled r/b SILT with some clay. Then, dark brown and mottled black clayey SILT with f-m sand at bottom, moist-wet.	3	12	AP-SL012-24-03 (Duplicate Sample Collected) PCB Analysis
24 30		SP	Gray to dark brown poorly graded SAND with trace f-m gravel, silt, shells and shell fragments,wood fragments, wet.	4	12	AP-SL012-24-04 PCB Analysis
36 42		SP	Same as above.	5	6	AP-SL012-24-05 PCB Analysis
48 54 60 66 72			Core completed at 42 inches bgs.			

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LOG OF BORING SL012-25

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/21/01
Drilling Method : Hand Auger/Hand Push
Drilled By : J. Ruiz / S. Meyer
Logged By : Moreno / Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in) : 0-24" (Auger)
: 24-44" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0–6		ML	Gray SILT, some clay and roots, faint odor, moist.	1	6	AP-SL012-25-01(Duplicate Sample Collected) PCB Analysis
6–12		SM	Dark brown coarse SAND, trace roots and fine gravel, trace silt and shells, very moist.	2	6	AP-SL012-25-02 PCB Analysis
12–24		SM	Dark gray to brown coarse SAND, some shells, trace slag and fine gravel (subrounded), faint odor, wet. sand becomes finer with depth.	3	12	AP-SL012-25-03 PCB Analysis
24–36		SP	Gray to dark gray poorly graded f-m SAND with f-m gravel (gravelly sand), trace silt, organic matter (wood fragments), shell fragments, wet.	4	9	AP-SL012-25-04 PCB Analysis
36–42		SP	Black clayey SILT with trace organic matter, shell fragments, moist-wet.	5	11	AP-SL012-25-05 PCB Analysis
42–72			Core completed at 44 inches bgs.			

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LOG OF BORING SL012-26

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/20/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	0-24" (Auger) 24-44" (Push)
Drilled By	: J. Ruiz / S Meyer		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown clayey SILT with organic matter (wood fragments), roots, moist-wet.	1	6	AP-SL012-26-01 PCB Analysis
6		ML	Light gray to mottled brown clayey SILT (granular texture), moist-wet.	2	6	AP-SL012-26-02 PCB Analysis
12 18		ML	Same as above.	3	12	AP-SL012-26-03 PCB Analysis
24 30		ML	Light gray clayey SILT, trace organic matter (leaf fragments), slight odor, wet.	4	10	AP-SL012-26-04 PCB Analysis
36 42		ML	Same as above, moist-wet.	5	10	AP-SL012-26-05 (Duplicate Sample Collected) PCB Analysis
			Core completed at 44 inches bgs.			
48 54 60 66 72						

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LOG OF BORING SL012-27

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/21/01
Drilling Method : Hand Auger/Hand Push
Drilled By : J. Ruiz / S. Meyer
Logged By : Moreno / Lannon
X, Y Coordinates :

Borehole Diameter (in)
Total Recovery (in.) : 0-36" (Auger)
: 36-51" (Push)

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Brown SILT with trace clay, organic matter, roots, slight odor, slightly moist.	1	6	AP-SL012-27-01 PCB Analysis
6		ML	Grayish-brown clayey SILT, trace roots, slight odor, slightly moist.	2	6	AP-SL012-27-02 PCB Analysis
12		ML	Brown SILT with trace clay, organic matter, roots, slag, slight odor, moist.	3	12	AP-SL012-27-03 (Duplicate Sample Collected) PCB Analysis
24		ML	Dark gray SILT, some fine sand, trace shells and organic matter, slight odor, very moist. sand increases with depth.	4	9	AP-SL012-27-04 PCB Analysis
30		ML	Black SILT, trace fine sand and shells, trace organic matter slight odor, moist.	5	3	AP-SL012-27-05 PCB Analysis
36		ML	Dark gray to black sandy SILT with trace fine sand and clay, organic matter (leaf fragments),shell fragments, moist-wet.	6	8	AP-SL012-27-06 PCB Analysis
42		ML	Dark gray to black sandy SILT with organic matter (peat and leaf fragments),trace clay and shells,moist-wet.	7	7	AP-SL012-27-07 PCB Analysis
48			Core completed at 51 inches bgs.			
54						
60						
66						
72						

WESTON MANAGERS DESIGNERS CONSULTANTS

LOG OF BORING SL012-28

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/20/01	Borehole Diameter (in)	
Drilling Method	: Hand Auger/Hand Push	Total Recovery (in)	: 0-36" (Auger)
Drilled By	: J. Ruiz / S. Meyer		: 36-59" (Push)
Logged By	: Mary Lannon		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown to gray SILT with trace organic matter, dry.	1	6	AP-SL012-28-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SL012-28-02 PCB Analysis
12		SP	Brown to gray poorly graded gravelly SAND (f-c sand and f-c gravel), trace silt.	3	6	AP-SL012-28-03 PCB Analysis
18		SP	R/B poorly graded gravelly SAND (f-c sand) with gray clayey silt at bottom, dry.	4	6	AP-SL012-28-04 PCB Analysis
24		SM	Dark gray silty f-m SAND with shell fragments, wet.	5	6	AP-SL012-28-05 PCB Analysis
30		ML	Dark brown to gray (mixed) clayey SILT with f-c sand and fine gravel, moist-wet.	6	6	AP-SL012-28-06 PCB Analysis
36		ML	Black clayey SILT with trace f-m sand and organic matter, shell fragments, wet.	7	13	AP-SL012-28-07 PCB Analysis
48		ML	Black clayey SILT with trace organic matter (wood and leaf fragments), shell fragments, trace fine sand, moist-wet.	8	10	AP-SL012-28-08 PCB Analysis
54						
60			Core completed at 59 inches bgs.			
66						
72						

GRID 7

SD036

LOG OF BORING SD036-01

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 38

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Dark gray SAND, trace silt,organic matter, slight organic odor, wet. standing water on top of sample.	1	6	AP-SD036-01-01 PCB Analysis
6		SM	Same as above.	2	4	AP-SD036-01-02 PCB Analysis
12		SM	Dark gray SILT with clay, wood fragments, strong organic odor.	3	8	AP-SD036-01-03 PCB Analysis
18		ML	Same as above.	4	12	AP-SD036-01-04 PCB Analysis
30		ML	Same as above.	5	8	AP-SD036-01-05 PCB Analysis
36			Core completed at 38 inches bgs.			
42						
48						
54						
60						
66						
72						

LOG OF BORING SD036-02

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in.): 3
Total Recovery (in.) 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SM	Dark gray to black f-m SAND, trace organic matter (leaf and wood fragments), silt near top, moist.	1	6	AP-SD036-02-01 PCB Analysis
6		SM	Same as above, except SAND (m-c) with trace fine gravel near bottom.	2	9	AP-SD036-02-02 PCB Analysis
12						
18		ML	Leaf fragments and f-m SAND lens at top, then black clayey SILT with trace organic matter (plant fragments), moist,	3	9	AP-SD036-02-03 PCB Analysis
24		ML	Same as above, moist.	4	12	AP-SD036-02-04 PCB Analysis
30						
36		ML	Same as above, except fine gravel near bottom, moist.	5	12	AP-SD036-02-05 (Duplicate Sample Collected) PCB Analysis
42						
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

LOG OF BORING SD036-03

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 40

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray poorly graded f-m SAND with trace organic matter, wet.	1	6	AP-SD036-03-01 (Duplicate Sample Collected) PCB Analysis
6				2	5	AP-SD036-03-02 PCB Analysis
12		ML	Black to dark gray clayey SILT with trace organic matter (plant, leaf and wood fragments), shell fragments, moist-wet.			
18				3	13	AP-SD036-03-03 PCB Analysis
24						
30				4	12	AP-SD036-03-04 PCB Analysis
36				5	4	AP-SD036-03-05 PCB Analysis
42			Core completed at 40 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SD036-04

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in.) : 3
Total Recovery (in.) : 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark gray to black f-m SAND with trace organic matter, trace silt near top, wet.	1	6	AP-SD036-04-01 PCB Analysis
6		SP	Same as above, except m-c sand near bottom.	2	10	AP-SD036-04-02 PCB Analysis
12						
18		ML	Black clayey SILT with trace organic matter(plant fragments), trace fine sand (thin lens) near top, moist-wet.	3	8	AP-SD036-04-03 PCB Analysis
24		ML	Same as above, moist-wet.	4	12	AP-SD036-04-04 PCB Analysis
30						
36		ML	Same as above with trace shells, moist-wet.	5	12	AP-SD036-04-05 PCB Analysis
42						
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SD036-05

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) : 3
Total Recovery (in) . 35

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray poorly graded f-m SAND with trace silt and organic matter (wood fragments), fine gravel, wet.	1	4	AP-SD036-05-01 PCB Analysis
6		ML	Black clayey SILT with trace fine sand and organic matter (leaf, wood and shell fragments), wet. shred of paper noted (f-m sand not matrix in sample) from above along sides.	2	8	AP-SD036-05-02 PCB Analysis
12		ML	Same as above.	3	12	AP-SD036-05-03 PCB Analysis
24		ML	Same as above, except f-m silty sand with wood fragments and organic matter in bottom.	4	11	AP-SD036-05-04 PCB Analysis
36			Core completed at 35 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-06

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) 3
Total Recovery (in.) 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown poorly graded f-m SAND with trace organic matter (plant, leaf and wood fragments), moist- wet.	1	6	AP-SD036-06-01 PCB Analysis
6				2	5	AP-SD036-06-02 PCB Analysis
12		ML	Black to dark gray clayey SILT with trace organic matter (wood and plant/leaf fragments), moist-wet.			
18				3	13	AP-SD036-06-03 PCB Analysis
24						
30				4	12	AP-SD036-06-04 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-07

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 44

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray poorly graded f-m SAND with trace silt, organic matter and shell fragments, wet. coarser f-m SAND at bottom.	1	6	AP-SD036-07-01 PCB Analysis
6				2	5	AP-SD036-07-02 PCB Analysis
12			VOID SPACE			
18		ML	Black to dark gray clayey SILT with trace organic matter (plant, leaf and wood fragments), moist-wet.	3	25	
42		SP	f-m SAND and fine gravel with trace silt, wet.	4	2	
			Core completed at 44 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SD036-08

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.). 3
Total Recovery (in.) : 49

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray to black poorly graded f-m SAND (dark gray), detrius with trace silt and organic matter, moist-wet.	1	6	AP-SD036-08-01 PCB Analysis
6				2	6	AP-SD036-08-02 PCB Analysis
12		SP	Same as above, except gray.	3	6	AP-SD036-08-03 PCB Analysis
18		SP	Same as above, except top 2" were black and bottom 1" was gray.			
24		ML	Black to dark gray clayey SILT with trace organic matter (plant and leaf fragments), fine sand to 30 ft., piece of paper. shell fragments near bottom.	4	12	AP-SD036-08-04 (Duplicate Sample Collected) PCB Analysis
30						
36				5	12	AP-SD036-08-05 PCB Analysis
42				6	7	AP-SD036-08-06 PCB Analysis
48		SP	Gray to black f-m SAND with trace silt, f-m gravel, wood fragments, moist-wet.			
54			Core completed at 49 inches bgs.			
60						
66						
72						

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LOG OF BORING SD036-09

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 48

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Light gray poorly graded f-m SAND with trace organic matter, wet.	1	6	AP-SD036-09-01(Duplicate Sample Collected) PCB Analysis
6		SP	Dark gray to black poorly graded f-m SAND with trace coarse sand, silt, shell fragments, wet..	2	6	AP-SD036-09-02 PCB Analysis
12		SP	Light gray poorly graded f-m SAND with trace shell fragments, moist-wet.	3	12	AP-SD036-09-03 PCB Analysis
18		ML	Black sandy SILT with organic matter (leaf fragments).			
		ML	Gray clayey SILT.			
		ML	Black sandy SILT with organic matter (leaf fragments).			
24		ML	Dark gray to black clayey SILT with trace organic matter (leaf/wood fragments), shell fragments, trace fine sand, moist-wet.	4	12	AP-SD036-09-04 PCB Analysis
30						
36				5	12	AP-SD036-09-05 PCB Analysis
42						
48			Core completed at 48 inches bgs.			
54						
60						
66						
72						

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LOG OF BORING SD036-10

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 42
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark brown poorly graded f-m SAND with trace silt and organic matter.			
		SP	Brown f-m SAND with trace organic matter and shell fragments.	1	6	AP-SD036-10-01 PCB Analysis
		SP	Gray f-c SAND with trace organic matter, wet.			
6		ML	Dark gray to black clayey SILT massive with trace organic matter (plant fragments), moist-wet. trace f-m sand near bottom.	2	6	AP-SD036-10-02 PCB Analysis
12						
18				3	12	AP-SD036-10-03 PCB Analysis
24						
30				4	12	AP-SD036-10-04 PCB Analysis
36						
				5	6	AP-SD036-10-05 PCB Analysis
42			Core completed at 42 inches bgs.			
48						
54						
60						

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LOG OF BORING SD036-11

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 37

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown/gray (0.5") to gray f-c SAND with fine gravel, wet.	1	6	AP-SD036-11-01 PCB Analysis
6		ML	Black to dark gray clayey SILT with trace shell fragments, moist-wet.	2	6	AP-SD036-11-02 (Duplicate Sample Collected) PCB Analysis
12		SP	Black f-m SAND with shell fragments grades into gray f-c SAND with trace fine gravel. black organic silt with some clay, moist-wet at bottom.	3	12	AP-SD036-11-03 PCB Analysis
18						
24						
30				4	13	AP-SD036-11-04 PCB Analysis
36			Core completed at 37 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-12

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 42
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray to black poorly graded f-m SAND with trace organic matter and silt at top, wet. coarser in bottom 8".	1	8	AP-SD036-12-01 PCB Analysis
6						
12		ML	Black to dark gray clayey SILT with trace organic matter (leaf/wood fragments), moist-wet.	2	34	
18						
24						
30						
36						
42			Core completed at 42 inches bgs.			
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd036\sd036-12.bor

LOG OF BORING SD036-13

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) 35

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown to gray poorly graded f-m SAND with trace f-m gravel, silt, organic matter (leaf fragments), wet.	1	7	AP-SD036-13-01 PCB Analysis
6		ML	Black to dark gray clayey SILT with trace organic matter, wet.	2	5	AP-SD036-13-02 PCB Analysis
12						
18				3	12	AP-SD036-13-03 (Duplicate Sample Collected) PCB Analysis
24						
30				4	11	AP-SD036-13-04 PCB Analysis
		SP	Black f-m SAND with organic matter (leaf fragments) and trace silt.			
36			Core completed at 35 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-14

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	41
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SW	Brown to gray well graded f-m gravelly SAND (f-c), fine gravel, trace silt (detrius), trace organic matter,shells and shell fragments, wet.	1	7	AP-SD036-14-01 PCB Analysis
6 – 12		ML	Dark gray to black clayey SILT, trace organic matter(leaf/plant), shell fragments, moist-wet.	2	5	AP-SD036-14-02 PCB Analysis
12 – 18		ML	Same as above.	3	12	AP-SD036-14-03 PCB Analysis
18 – 24		ML	Same as above.	4	7	AP-SD036-14-04 PCB Analysis
24 – 36		SP	Gray to black(31'-33') poorly graded f-m SAND, trace shell fragments, moist-wet.	5	10	AP-SD036-14-05 PCB Analysis
36 – 42			Core completed at 41 inches bgs.			

42 – 48 – 54 – 60 – 66 – 72

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LOG OF BORING SD036-15

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	37
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark gray SAND, med.-sized granules, organic odor, wet.	1	6	AP-SD036-15-01 PCB Analysis
6		SP	Same as above.	2	4	AP-SD036-15-02 PCB Analysis
12		ML	Black to gray SILT with trace clay, strong organic odor, moist.	3	8	AP-SD036-15-03 PCB Analysis
18		ML	Same as above.	4	12	AP-SD036-15-04 (Duplicate Sample Collected) PCB Analysis
24						
30		SP	Gray SAND, large-sized granules, with gravel and rock, shells, organic matter, wet.	5	7	AP-SD036-15-05 PCB Analysis
36			Core completed at 37 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-16

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: *Hand Push*	*Total Recovery (in.)*	: 35
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SP	Brown SAND, small uniform particles, organic odor, roots, wet. black silt at 4 ft.	1	7	AP-SD036-16-01 PCB Analysis
6 – 12		ML	Dark gray SILT with clay, strong organic odor.	2	5	AP-SD036-16-02 PCB Analysis
12 – 18		ML	Same as above.	3	12	AP-SD036-16-03 PCB Analysis
18 – 24		ML	Same as above.	4	11	AP-SD036-16-04 PCB Analysis
24 – 36			Core completed at 35 inches bgs.			

36
42
48
54
60
66
72

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LOG OF BORING SD036-17

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in)	3
Drilling Method	: Hand Push	Total Recovery (in)	36
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark brown SAND, varied granule size, organic matter, roots, slight odor, wet.	1	6	AP-SD036-17-01 PCB Analysis
		ML	Black SILT with clay, slight odor.			
6		ML	Same as above.	2	6	AP-SD036-17-02 PCB Analysis
12		ML	Same as above.	3	7	AP-SD036-17-03 PCB Analysis
18		SP	Gray SAND and gravel, organic matter, shells, organic odor, wet.	4	18	AP-SD036-17-04 PCB Analysis AP-SD036-17-05 PCB Analysis
24						
30						
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-18

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.):	3
Drilling Method	: Hand Push	Total Recovery (in.)	18
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black organic SILT with trace clay, fine gravel, shells, fiberous organic matter, wet.	1	6	AP-SD036-18-01 PCB Analysis
6		ML	Dark gray to black clayey SILT with fine sand and gravel, fiberous organic matter (plant fragments), moist-wet .	2	9	AP-SD036-18-02 PCB Analysis
12		SP	Gray to brown silty SAND, f-m sand with trace clay, fiberous organic matter (peat), coarser sand with depth.	3	3	AP-SD036-18-03 PCB Analysis
18			Core completed at 18 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-19

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.). 3
Total Recovery (in.) . 24

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown SILT with trace clay and trace sand, organic matter, roots, slight odor, slightly moist. silt with gray sand (med. granules) at bottom.	1	6	AP-SD036-19-01 PCB Analysis
6		ML	Same as above.	2	5	AP-SD036-19-02 PCB Analysis
12		SP	Light brown SAND with dark brown silt, organic matter, roots, slight odor, wet.	3	13	AP-SD036-19-03 (Duplicate Sample Collected) PCB Analysis
18		SP	Gray fine sand with some med.-lg. granules, organic matter, slight odor, wet.			
24			Core completed at 24 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-20

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 36
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black to dark brown organic SILT, trace clay, peat with plant, leaf and wood fragments, moist-wet.	1	6	AP-SD036-20-01 PCB Analysis
6				2	6	AP-SD036-20-02 PCB Analysis
12				3	7	AP-SD036-20-03 PCB Analysis
18		ML	Peat with clayey SILT, organic matter (wood fragments) with trace fine sand at bottom, moist-wet.	4	6	AP-SD036-20-04 PCB Analysis
24		SP	Dark gray to black f-c SAND with trace silt, f-m gravel, wood fragments, f-m sand with depth, wet. chunk of wood at 30-32 ft.	5	11	AP-SD036-20-05 PCB Analysis
30						
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-21

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 36
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black to brown organic SILT-PEAT,organic matter (plant and wood fragments), roots,wet.	1	6	AP-SD036-21-01 PCB Analysis
6				2	9	AP-SD036-21-02 PCB Analysis
12						
18		ML	Gray to light gray sandy SILT (fine sand), trace lens of clayey silt and fine sand, organic matter (wood fragments), roots.	3	12	AP-SD036-21-03 (Duplicate Sample Collected) PCB Analysis
24						
30		SP	Light gray to brown f-m SAND with thin lens of clayey silt at 27 ft. and 31 ft., shell and wood fragments, wet.	4	9	AP-SD036-21-04 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mitech5\acegeo\kzoo\sd036\sd036-21.bor

LOG OF BORING SD036-22

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 30
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		ML	Dark gray to brown organic SILT-PEAT with trace clay,plant and wood fragments, wet.	1	9	AP-SD036-22-01 PCB Analysis
6 – 12		ML	Black to dark brown clayey SILT with trace fine sand, organic matter (plant and wood fragments) and f-m gravel, moist-wet.	2	6	AP-SD036-22-02 PCB Analysis
12 – 24		SP	Gray to brown poorly graded f-m SAND with trace silt and organic matter (plant fragments), f-m gravel between 22-24 ft. dark brown thin lens of clayey silt at bottom, moist-wet.	3	10	AP-SD036-22-03 (Duplicate Sample Collected) PCB Analysis
24 – 30		SP	Light brown to gray poorly graded f-m SAND with trace organic matter, silt and fine gravel at bottom, wet.	4	5	AP-SD036-22-04 PCB Analysis
30			Core completed at 30 inches bgs.			

36 42 48 54 60 66 72

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LOG OF BORING SD036-23

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in.): 3
Total Recovery (in) : 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black SILT, organic odor, moist.	1	6	AP-SD036-01-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD036-01-02 PCB Analysis
12		ML	Same as above.	3	5	AP-SD036-01-03 PCB Analysis
18		SP	Brown silty f-m SAND, shells, wood pieces, some roots, moist.	4	7	
24		SP	Gray SAND with trace silt, fine to medium, shells, gravel, wood pieces, wet.	5	12	AP-SD036-01-04 PCB Analysis AP-SD036-01-05 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-24

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in): 3
Total Recovery (in) : 34

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark gray to black clayey SILT with organic matter (plant fragments),moist-wet.	1	8	AP-SD036-24-01 PCB Analysis
6		ML	Light brown to gray sandy SILT with trace fine gravel.	2	4	AP-SD036-24-02 PCB Analysis
12		SP	Brown f-m SAND with organic matter (plant fragments) with sandy silt lens and < 1 in. of peat, trace clay, fine gravel, wet.			
18		SW	Brown well graded fine SAND with some f-m gravel and peat, plant and wood fragments. color change to brown to gray/black at 25 ft., lens of f-m sand, organic matter, trace silt at 27 ft.	3	13	AP-SD036-24-03 PCB Analysis
24						
30		SP	Gray to black poorly graded f-m SAND with organic matter, trace fine gravel, wet.	4	9	AP-SD036-24-04 (Duplicate Sample Collected) PCB Analysis
36			Core completed at 34 inches bgs.			
42						
48						
54						
60						
66						
72						

LOG OF BORING SD036-25

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 33

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black SILT, trace clay, organic odor, wet.	1	6	AP-SD036-25-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD036-25-02 PCB Analysis
12		ML	Same as above.	3	12	AP-SD036-25-03 PCB Analysis
24		ML	Same as above.	4	9	AP-SD036-25-04 PCB Analysis
30			Core completed at 33 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-26

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.). 3
Total Recovery (in) 21

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown clayey SILT with fiberous organic matter, peat trace fine sand,f-m gravel, moist-wet.	1	5	AP-SD036-26-01 PCB Analysis
6		ML	Dark gray clayey SILT with more clay (stiffer), trace shells and organic matter, gray fine sandy silt, moist-wet.	2	6	AP-SD036-26-02 PCB Analysis
12		SP	Light brown to gray poorly graded f-m SAND with lenses of brown silty sand with fiberous organic matter, trace clayey silt, plant fragments, moist-wet. sand with f-m gravel with depth at bottom.	3	10	AP-SD036-26-03 PCB Analysis
18						
			Core completed at 21 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-27

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 38

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark gray SAND,large granules, shells, slight organic odor, wet.	1	6	AP-SD036-27-01 PCB Analysis
6		SP	Same as above.	2	3	AP-SD036-27-02 PCB Analysis
12		ML	Black SILT with sheen, strong organic odor, wet.	3	8	AP-SD036-27-03 PCB Analysis
18		ML	Black SILT with fine SAND, some shells, organic odor, wet.	4	10	AP-SD036-27-04 PCB Analysis
24		SP	Light gray f-m SAND with shells and wood pieces, organic odor, wet.			
30		SP	Black SAND with silt, shells, organic matter, slight organic odor, wet.	5	11	AP-SD036-27-05 PCB Analysis
36		ML	Black SILT with gravel and trace sand, wet.			
			Core completed at 38 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\zoo\sd036\sd036-27.bor

LOG OF BORING SD036-28

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 41

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown gravelly f-c SAND, trace silt, sand with fine gravel, organic matter, shells and shell fragments, wet.	1	4	AP-SD036-28-01 PCB Analysis
6		ML	Dark gray to black clayey SILT with trace organic matter, plant fragments, shells and shell fragments, moist-wet. trace f-m sand near bottom.	2	8	AP-SD036-28-02 PCB Analysis
12						
18				3	12	AP-SD036-28-03 PCB Analysis
24		SP	Gray f-m SAND, trace coarse sand, shell fragments, organic matter, moist-wet. finer sand and more organic matter near bottom.			
30				4	12	AP-SD036-28-04 PCB Analysis
36				5	5	AP-SD036-28-05 PCB Analysis
42			Core completed at 41 inches bgs.			
48						
54						
60						
66						
72						

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LOG OF BORING SD036-29

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 24

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark gray/brown to black organic SILT-PEAT with trace fine sand, fine gravel, shell fragments, fiberous organic matter, moist-wet. more clayey with depth.	1	6	AP-SD036-29-01 PCB Analysis
6		ML	Dark gray to black clayey SILT with fine sand near top, fine gravel, trace organic matter (fine detrial and wood fragments), moist-wet.	2	9	AP-SD036-29-02 (Duplicate Sample Collected) PCB Analysis
12						
18		SP	Light-dark gray to brown poorly graded f-m SAND with trace silt, lenses of brown peat, f-c sand and fine gravel with depth at bottom.	3	9	AP-SD036-29-03 PCB Analysis
24			Core completed at 24 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-30

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in)	: 3
Drilling Method	: Hand Push	Total Recovery (in)	: 32
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	One-inch well graded gravelly SAND, trace silt, shell fragments, wet.	1	6	AP-SD036-30-01 PCB Analysis
6		ML	Black to dark gray clayey SILT with trace organic matter (fine leaf fragments), shells and shell fragments, wet.	2	6	AP-SD036-30-02 PCB Analysis
12						
18				3	12	AP-SD036-30-03 (Duplicate Sample Collected) PCB Analysis
24		SP	Dark gray poorly graded f-m SAND with trace silt, organic matter (wood fragments) and shells, wet. sand fines at bottom.	4	8	AP-SD036-30-04 PCB Analysis
30						
			Core completed at 32 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-31

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in.): 3
Total Recovery (in.) : 20

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SW	Gray well graded gravelly SAND with f-c sand and f-m gravel, trace organic matter (wood fragments), shells, wet. f-m sand at top.	1	11	AP-SD036-31-01 PCB Analysis
12 – 18		ML	Black clayey SILT with fine detrious organic matter, moist-wet. then, black sandy silt with fine gravel and fine detrial organic matter.	2	9	AP-SD036-31-02 PCB Analysis

Core completed at 20 inches bgs.

Depth scale: 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

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LOG OF BORING SD036-32

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in.) : 3
Total Recovery (in.) : 24

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Dark brown organic SILT-PEAT, fiberous organic matter (plant and wood fragments), wet.	1	4	AP-SD036-32-01 PCB Analysis
6		ML	Dark brown/gray to black clayey SILT with fine sand and gravel, organic matter(plant fragments), moist-wet.	2	8	AP-SD036-32-02 PCB Analysis
12		ML	Same as above.	3	8	AP-SD036-32-03 PCB Analysis
18		SP	Light brown f-m SAND with lenses of fiberous brown peat and wood fragments, coarser sand at bottom.	4	4	AP-SD036-32-04 PCB Analysis
24			Core completed at 24 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-33

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in) 3
Total Recovery (in.) : 29

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown well graded sandy gravel, f-m gravel with f-m SAND, trace organic matter (wood fragments), wet.	1	4	AP-SD036-33-01 PCB Analysis
6		ML	Dark gray to black clayey SILT with trace fine sand, organic matter (plant,leaf and wood fragments), wet.	2	7	AP-SD036-33-02 (Duplicate Sample Collected) PCB Analysis
12		ML	Dark brown organic SILT-PEAT, fiberous organic matter (plant/wood fragments), trace clay and fine sand, wet.	3	8	AP-SD036-33-03 PCB Analysis
18						
24		SP	Light gray poorly graded f-m SAND with organic matter (plant/wood fragments), wet.	4	9	AP-SD036-33-04 PCB Analysis
		SP	Dark gray f-m SAND with trace f-m gravel, wet.	5	1	
30			Core completed at 29 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-34

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	15
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SP	Dark gray SAND, med. granules, some gravel, shells, wood pieces, few roots, wet.	1	7	AP-SD036-34-01 PCB Analysis
6 – 12		SP	Dark gray SAND, large granules, gravel, shells, few rocks, wet.	2	8	AP-SD036-34-02 PCB Analysis
12			Core completed at 15 inches bgs.			

Depth scale: 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

12-10-2001 c:\mtech5\acegeo\kzoo\sd036\sd036-34.bor

LOG OF BORING SD036-35

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	41
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown to gray poorly graded f-m SAND with trace organic matter (leaf fragments), moist-wet.	1	6	AP-SD036-35-01 PCB Analysis
6				2	5	AP-SD036-35-02 PCB Analysis
12		SP	Gray to black poorly graded f-c SAND,shells and shell fragments, organic matter, moist-wet.			
18				3	13	AP-SD036-35-03 PCB Analysis
24						
30				4	11	AP-SD036-35-04 PCB Analysis
36		SP	Gray poorly graded f-m SAND with fine shell fragments.	5	6	AP-SD036-35-05 PCB Analysis
42			Core completed at 41 inches bgs.			
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd036\sd036-35.bor

LOG OF BORING SD036-36

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	38
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown f-m SAND with trace shell fragments and organic matter, moist-wet.	1	6	AP-SD036-36-01(Duplicate Sample Collected) PCB Analysis
6		ML	Dark gray to black clayey SILT with organic matter (plant fragments), moist-wet.	2	6	AP-SD036-36-02 PCB Analysis
12		ML	Same as above.	3	12	AP-SD036-36-03 PCB Analysis
24		ML	Same as above except f-m sand at bottom.	4	14	AP-SD036-36-04 PCB Analysis
36			Core completed at 38 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-37

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/15/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 40
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray fine SAND, organic matter, no odor, wet.			
		ML	Dark brown/black SILT mottled with gray fine sand, many roots, shells, wood pieces, slight organic odor, wet.	1	6	AP-SD036-37-01 PCB Analysis
6		ML	Dark brown SILT, many roots, wood pieces, slight organic odor, moist.	2	6	AP-SD036-37-02 (Duplicate Sample Collected) PCB Analysis
12		ML	Same as above.	3	6	AP-SD036-37-03 PCB Analysis
18		ML	Gray fine sand layer (0.5 in. thick), then dark brown SILT with trace clay, roots, wood pieces, slight organic odor, moist.	4	9	AP-SD036-37-04 PCB Analysis
24		SP	Gray fine sand layer (0.5 in. thick), then dark gray coarse SAND with gravel, shells, wet.	5	13	AP-SD036-37-05 PCB Analysis
30						
36		SP	Brown/gray fine sand, uniform size, wet.			
			Core completed at 40 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD036-38

WESTON — MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/15/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 30

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown SAND, shells, organic matter, wet.			
		ML	Gray/black SILT with clay, appears to have sheen, organic matter, organic odor, moist.	1	6	AP-SD036-38-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD036-38-02 PCB Analysis
12		ML	Same as above.	3	11	AP-SD036-38-03 PCB Analysis
24		SP	Gray SAND, med. granules, organic matter, gravel, shells, slight organic odor, moist.	4	7	AP-SD036-38-04 PCB Analysis
30		ML	~~Gray/black SILT with clay, appears to have sheen,~~ organic matter, organic odor, wet.			
			Core completed at 30 inches bgs.			
36						

12-10-2001 c:\mtech5\acegeo\k:zoo\sd036\sd036-38.bor

GRID 8

SD004

WESTON MANAGERS DESIGNERS/CONSULTANTS

LOG OF BORING SD004-01

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 34

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black to dark gray clayey SILT, trace fine sand, leaves, wood fragments and shell fragments, wet	1	6	AP-SD004-01-01 PCB Analysis
6		SP	Dark gray to gray poorly graded fine to medium SAND with trace organic matter and fine to coarse shell fragments.	2	10	AP-SD004-01-02 PCB Analysis
18		ML	Dark gray to black clayey SILT with fine shell fragments and fine sand, trace organic matter, leaf fragments and wood fragments, moist, less clay than above.	3	8	AP-SD004-01-03 PCB Analysis
24		ML	Same as above except less organic matter, and less clay.			
30		ML	Same as above except more leaf framents and wood fragments, and less clay.	4	10	AP-SD004-01-04 (Duplicate Sample Collected) PCB Analysis
36			Core completed at 34 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mltech5\acegeo\kzoo\sd004\sd004-01.bor

LOG OF BORING SD004-02

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 34.5

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black SILT with trace clay, wet, strong organic odor, trace sand.	1	6	AP-SD004-02-01 PCB Analysis
6		ML	Same as above.	2	4	AP-SD004-02-02 PCB Analysis
12		SM	Dark gray SAND, medium grade, shells, organic odor, wet.	3	7	AP-SD004-02-03 PCB Analysis
18		ML	Black SILT with trace clay.	4	7	AP-SD004-02-04 PCB Analysis
24		ML	Same as above.	5	12	AP-SD004-02-05 PCB Analysis
30						
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd004\sd004-02.bor

LOG OF BORING SD004-03

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 38

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT with trace f-m sand, organic matter (leaf and wood fragments), shells, wet.	1	6	AP-SD004-03-01 PCB Analysis
6		ML	Same as above.	2	5	AP-SD004-03-02 PCB Analysis
12		SP	Dark gray to black poorly graded f-m SAND, coarser near top and bottom, wet.	3	10	AP-SD004-03-03 PCB Analysis
18						
24		ML	Black clayey SILT with trace organic matter (leaf and wood fragments),less clay, moist-wet.	4	9	AP-SD004-03-04 (Duplicate Sample Collected) PCB Analysis
30				5	8	AP-SD004-03-05 PCB Analysis
36			Core completed at 38 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acageolkzoo\sd004\sd004-03.bor

LOG OF BORING SD004-04

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/27/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 34
Drilled By	: Joe Ruiz/Chad Hall		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT with trace clay, organic matter (leaf and wood fragments), shell fragments, fine sand, moist-wet.	1	6	AP-SD004-04-01 PCB Analysis
6				2	6	AP-SD004-04-02 PCB Analysis
12		ML	Same as above, except less clay with depth, moist.	3	12	AP-SD004-04-03 PCB Analysis
18						
24				4	10	AP-SD004-04-04 PCB Analysis
30						
36			Core completed at 34 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd004\sd004-04.bor

LOG OF BORING SD004-05

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) 3
Total Recovery (in.) : 34

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown well graded f-c SAND with trace silt, organic matter (leaf fragments), shell fragments, wet.	1	3	AP-SD004-05-01 PCB Analysis
6		ML	Black to dark gray clayey SILT with trace fine sand, organic matter(leaf and wood fragments), shell fragments, moist.	2	9	AP-SD004-05-02 (Duplicate Sample Collected) PCB Analysis
12		ML	Same as above, except thin lens of fine sand, organic matter (leaf fragments), shells at 19 ft.	3	12	AP-SD004-05-03 PCB Analysis
24		SP	Dark gray poorly graded f-m SAND with trace organic matter and shell fragments.	4	10	AP-SD004-05-04 PCB Analysis
36			Core completed at 34 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acsgeo\kzoo\sd004\sd004-05.bor

LOG OF BORING SD004-06

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/27/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 34
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Gray to dark gray well graded f-c SAND with trace silt, f-m gravel, organic matter (leaf fragments), shell fragments, wet.	1	6	AP-SD004-06-01 PCB Analysis
6		SW	Same as above.	2	11	AP-SD004-06-02 PCB Analysis
12						
18		ML	Black to dark gray clayey SILT, silt with some clay, with trace organic matter (leaf and wood fragments), fine shell fragments and shells, less clay than above.	3	9	AP-SD004-06-03 PCB Analysis
24						
30		ML	Same as above except, less clay and SILT with some clay.	4	8	AP-SD004-06-04 (Duplicate Sample Collected) PCB Analysis
36			Core completed at 34 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mitech5\acegeo\kzoo\sd004\sd004-06.bor

LOG OF BORING SD004-07

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT with trace organic matter (leaf and wood fragments), shell fragments, wet.	1	3	AP-SD004-07-01 PCB Analysis
			VOID space (water).			
6		SW	Gray to dark gray well graded f-c SAND with trace silt, f-c gravel, organic matter (wood fragments), and shells and shell fragments, wet.	2	9	AP-SD004-07-02 PCB Analysis
12		SW	Same as above except more silt, f-m sand at bottom.	3	8	AP-SD004-07-03 (Duplicate Sample Collected) PCB Analysis
18						
24		ML	Dark gray to black clayey SILT with trace clay, fine shell fragments, organic matter (leaf fragments), moist.	4	8	AP-SD004-07-04 PCB Analysis
30		ML	Same as above, moist.	5	8	AP-SD004-07-05 PCB Analysis
36			Core completed at 36 inches bgs.			
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mitech5\acegeo\kzoo\sd004\sd004-07.bor

LOG OF BORING SD004-08

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in.): 3
Total Recovery (in.) : 39

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		ML	Black clayey SILT with trace fine sand, organic matter (leaf fragments), shell fragments, wet.	1	10	AP-SD004-08-01 PCB Analysis
6 – 18		SP	Dark gray to black well graded f-c SAND with trace silt, f-m gravel, organic matter (wood fragments), and shells, wet.	2	10	AP-SD004-08-02 PCB Analysis
18 – 30		ML	Dark gray to black clayey SILT with trace clay, shells, organic matter (leaf and wood fragments), moist. trace fine sand at 20 in.	3	10	AP-SD004-08-03 PCB Analysis
30 – 36		ML	Same as above.	4	9	AP-SD004-08-04 PCB Analysis
36 – 72			Core completed at 39 inches bgs.			

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LOG OF BORING SD004-09

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/27/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 29
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black and mottled gray/brown clayey SILT with trace organic matter (leaf and wood fragments), shell fragments.	1	5	AP-SD004-09-01 PCB Analysis
6		ML	Same as above, moist-wet.	2	6	AP-SD004-09-02 PCB Analysis
12		SW	Dark gray to gray well graded f-c SAND with trace organic matter, and shell fragments, moist-wet.	3	3	AP-SD004-09-03 PCB Analysis
18		ML	Dark gray to black clayey SILT with trace clay, shells and shell fragments, organic matter (leaf and wood fragments), moist-wet.	4	15	AP-SD004-09-04 *(Duplicate Sample Collected)* PCB Analysis
24						
30			Core completed at 29 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-10

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates .

Borehole Diameter (in) : 3
Total Recovery (in.) : 38

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Light gray SILT with clay, trace sand,organic matter, strong organic odor, very moist.	1	6	AP-SD004-10-01 PCB Analysis
		ML	Gray SILT with clay, organic matter, strong organic odor, very moist.			
6		ML	Same as above.	2	6	AP-SD004-10-02 PCB Analysis
12		ML	Gray silty SAND with shells, well graded, moist.	3	7	AP-SD004-10-03 PCB Analysis
		SW	Gray SILT with clay, organic matter, strong organic odor, very moist.			
18		SP	Gray silty SAND with gravel and shells, poorly sorted.			
24		ML	Gray SILT with clay, organic matter, strong organic odor, very moist.	4	11	AP-SD004-10-04 (Duplicate Sample Collected) PCB Analysis
30		ML	Same as above.	5	8	AP-SD004-10-05 PCB Analysis
36		ML	Gray SILT with sand, organic matter, slightly moist.			
			Core completed at 38 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-11

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 29.5

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark gray SAND, med. grade, shells, strong organic odor, wet.			
		ML	Black SILT with trace clay, strong organic odor, wet.	1	6	AP-SD004-11-01 PCB Analysis
6		SP	Dark gray SAND, med. grade, organic odor, wet.	2	8	AP-SD004-11-02 PCB Analysis
12						
		ML	Black SILT, strong organic odor, slightly moist.	3	7	AP-SD004-11-03 PCB Analysis
18						
		ML	Same as above.	4	8.5	AP-SD004-11-04 PCB Analysis
24						
30			Core completed at 29.5 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-12

(Page 1 of 1)

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 32

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray poorly sorted SAND, shells, organic matter, wet.			
6		ML	Dark gray clayey SILT, organic matter, organic odor, wet.	1	7	AP-SD004-12-01 PCB Analysis
12		SW	Gray well graded, medium, SAND, shells, organic matter, wet.	2	5	AP-SD004-12-02 PCB Analysis
18		SW	Same as above.	3	9	AP-SD004-12-03 PCB Analysis
24 30		ML	Black SILT with trace clay, organic matter (wood pieces),shells, strong organic odor, slightly moist.	4	11	AP-SD004-12-04 PCB Analysis
36			Core completed at 32 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-13

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 35

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SP	Light brown SAND with gravel and rocks, trace silt, wet.	1	7	AP-SD004-13-01 PCB Analysis
6 – 12		ML	Black SILT, organic matter, organic odor, very moist.	2	5	AP-SD004-13-02 PCB Analysis
12 – 18		ML	Same as above.	3	7	AP-SD004-13-03 PCB Analysis
18 – 24		SW	Gray well graded, medium SAND, shells, organic matter, wet.	4	8	AP-SD004-13-04 (Duplicate Sample Collected) PCB Analysis
24 – 30		SW	Same as above.	5	8	AP-SD004-13-05 PCB Analysis
30 – 36			Core completed at 35 inches bgs.			

36
42
48
54
60
66
72

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LOG OF BORING SD004-14

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/27/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	41
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray gravel and poorly sorted SAND, shells, strong organic odor, wet.			
		ML	Black SILT with trace clay, strong organic odor, wet.	1	6	AP-SD004-14-01 PCB Analysis
6		ML	Same as above.	2	5.5	AP-SD004-14-02 PCB Analysis
12		SP	Dark gray medium grade SAND, wood pieces, shells, very moist.	3	8.5	AP-SD004-14-03 PCB Analysis
18						
24		ML	Black SILT, few shells, roots and wood pieces, slight odor, slight moisture.	4	10	AP-SD004-14-04 PCB Analysis
30		ML	Same as above.	5	11	AP-SD004-14-05 PCB Analysis
36						
42			Core completed at 41 inches bgs.			
48						

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LOG OF BORING SD004-15

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) 3
Total Recovery (in) : 31

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	~~Light brown poorly sorted SAND, shells, wet.~~			
		ML	Dark gray SILT with clay, organic matter, strong organic odor, very moist.	1	6	AP-SD004-15-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD004-15-02 PCB Analysis
12		ML	Dark gray SILT, trace clay, trace sand, organic matter (wood pieces), shells, strong organic odor, moist.	3	8	AP-SD004-15-03 PCB Analysis
18		SW	Gray well graded SAND, very moist.	4	3	AP-SD004-15-04 PCB Analysis
24		ML	Dark gray clayey SILT, organic matter (leaves and wood pieces), strong organic odor, moist.	5	8	AP-SD004-15-05 (Duplicate Sample Collected) PCB Analysis
30			Core completed at 31 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-16

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 36

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0 – 6		SW	Brown to gray well graded f-c SAND and f-c gravel with shell fragments.	1	8	AP-SD004-16-01 PCB Analysis
6 – 12		ML	Black clayey SILT with trace organic matter (leaf and wood fragments), trace f-m gravel and shell fragments, moist-wet.	2	4	AP-SD004-16-02 PCB Analysis
12 – 24		ML	Same as above, moist-wet.	3	12	AP-SD004-16-03 PCB Analysis
24 – 30		ML	Same as above except thin lens of f-m sand with shell fragments at 32 ft.	4	12	AP-SD004-16-04 (Duplicate Sample Collected) PCB Analysis
30 – 36		ML	Same as above, moist-wet.			

Core completed at 36 inches bgs.

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LOG OF BORING SD004-17

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/27/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in.) 3
Total Recovery (in.) 29

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black SILT with trace clay, wood pieces, strong organic odor, wet.	1	6	AP-SD004-17-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD004-17-02 PCB Analysis
12		SP	Dark gray poorly sorted SAND, shells, organic odor, wet.	3	12	AP-SD004-17-03 PCB Analysis
24		ML	Black SILT with sand and trace clay, shells, organic odor, wet.	4	5	AP-SD004-17-04 PCB Analysis
30			Core completed at 29 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-18

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 33
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown well graded f-c SAND with f-m gravel, shell and wood fragments, trace silt, wet.	1	6	AP-SD004-18-01 PCB Analysis
6		ML	Black clayey SILT-SILT with trace clay, organic matter (leaf and wood fragments), shells, trace fine sand, lens of fine sand and organic matter at 12 ft., moist-wet.	2	6	AP-SD004-18-02 PCB Analysis
12		ML	Same as above.	3	8	AP-SD004-18-03 PCB Analysis
18		SP	Gray poorly graded f-m SAND, trace silt, f-m gravel, trace organic matter, fine shell fragments, moist-wet.	4	3	AP-SD004-18-04 PCB Analysis
24		ML	Black clayey SILT-SILT with trace clay, organic matter (leaf fragments), shell fragments, moist-wet.	5	10	AP-SD004-18-05 PCB Analysis
30			Core completed at 33 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd004\sd004-18.bor

LOG OF BORING SD004-19

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 28

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	~~Brown f-c SAND and f-c gravel, shell fragments, wet.~~			
		ML	Black clayey SILT with trace organic matter (leaf fragments), moist-wet.	1	6	AP-SD004-19-01 PCB Analysis
6		SP	Light gray poorly graded f-m SAND with fine shell fragments, moist-wet.	2	9	AP-SD004-19-02 PCB Analysis
12						
18		ML	Black clayey SILT with trace fine sand, shell fragments and wood fragments, moist-wet.	3	13	AP-SD004-19-03 PCB Analysis
24		ML	Black organic SILT with trace clay, wood and shell fragments.			
			Core completed at 28 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-20

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) 32

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	~~Gray poorly sorted SAND with gravel and shells.~~			
		SP	~~Gray silty SAND, poorly sorted, organic matter.~~	1	4	AP-SD004-20-01 PCB Analysis
		SP	~~Gray poorly sorted SAND with gravel and shells.~~			
6		ML	Gray SILT with clay, organic matter, roots, strong organic odor, moist.	2	8	AP-SD004-20-02 PCB Analysis
12		ML	Same as above.	3	6	AP-SD004-20-03 PCB Analysis
18		SP	~~Gray fine grade SAND.~~			
		ML	~~Gray SILT with clay and sand, organic matter (wood pieces), shells, moist.~~			
24		SP	Gray SAND with trace silt, poorly sorted, gravel, shells, organic matter.	4	8	AP-SD004-20-04 (Duplicate Sample Collected) PCB Analysis
30		ML	Gray SILT with clay, organic matter, roots, shell fragments, organic odor, moist.	5	6	AP-SD004-20-05 PCB Analysis
			Core completed at 32 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-21

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates

Borehole Diameter (in.): 3
Total Recovery (in.) : 25

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Dark gray to black f-c SAND with f-c gravel, shells, wet.			
6		ML	Black clayey SILT with trace organic matter (leaf fragments-detrius), moist-wet.	1	6	AP-SD004-21-01 PCB Analysis
12		ML	Same as above, moist-wet.	2	7	AP-SD004-21-02 PCB Analysis
		SP	Dark gray to black f-m SAND with trace organic matter, shell fragments.	3	4	AP-SD004-21-03 PCB Analysis
18		ML	Black clayey SILT with trace organic matter.			
		SP	Dark gray to black f-m SAND with fine gravel and shell fragments.			
24		ML	Black clayey SILT with trace organic matter (detrius), shell fragments.	4	7	AP-SD004-21-04 PCB Analysis
			Core completed at 25 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd004\sd004-21.bor

LOG OF BORING SD004-22

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 20
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	At top, f-c gravel, trace silt, fine sand, shells. then black to dark gray clayey SILT with trace organic matter (leaf and wood fragments), moist-wet.	1	6	AP-SD004-22-01 PCB Analysis
6		ML	Same as above, moist-wet.	2	8	AP-SD004-22-02 PCB Analysis
12		ML	Black to dark gray sandy SILT with lens of f-m sand from 16-18 ft., organic matter (leaf and wood fragments), shell fragments, moist-wet.	3	6	AP-SD004-22-03 PCB Analysis
18			Core completed at 20 inches bgs.			
24						
30						
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd004\sd004-22.bor

LOG OF BORING SD004-23

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 27
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	~~Gray poorly graded SAND and gravel, wet.~~			
		ML	Black SILT with clay, organic matter, organic odor, very moist.	1	6	AP-SD004-23-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD004-23-02 (Duplicate Sample Collected) PCB Analysis
12		ML	Same as above.	3	8	AP-SD004-23-03 PCB Analysis
18		SP	~~Light gray fine SAND, wet.~~	4	2	AP-SD004-23-04 PCB Analysis
24		SP	Same as above.	5	5	AP-SD004-23-05 PCB Analysis
			Core completed at 27 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\zoo\sd004\sd004-23.bor

LOG OF BORING SD004-24

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 28

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Poorly sorted silty SAND with gravel, wet.	1	4	AP-SD004-24-01 PCB Analysis
6		ML	Black clayey SILT, organic matter, strong organic odor, very moist.	2	8	AP-SD004-24-02 PCB Analysis
12		ML	Same as above.	3	9	AP-SD004-24-03 PCB Analysis
18		SP	Dark gray fine grade SAND.			
24		ML	Black SILT with trace clay, organic matter (leaves and wood pieces), organic odor, moist.	4	7	AP-SD004-24-04 PCB Analysis
30			Core completed at 28 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mitech5\acegeo\kzoo\sd004\sd004-24.bor

LOG OF BORING SD004-25

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	: 27
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates			

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray poorly graded SAND and gravel with shells.			
		ML	Black SILT with trace clay, organic matter, strong organic odor, moist.	1	6	AP-SD004-25-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD004-25-02 PCB Analysis
12		ML	Same as above.	3	9	AP-SD004-25-03 (Duplicate Sample Collected) PCB Analysis
18		SP	~~Gray fine grade SAND, wet.~~			
24		ML	Black SILT with trace clay, organic matter, strong organic odor, moist.	4	6	AP-SD004-25-04 PCB Analysis
			Core completed at 27 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd004\sd004-25.bor

LOG OF BORING SD004-26

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	: 26
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT with trace organic matter (leaf and wood fragments), silt, glass piece, wet.	1	6	AP-SD004-26-01 PCB Analysis
6		ML	Same as above, moist-wet.	2	6	AP-SD004-26-02 PCB Analysis
12		ML	Same as above, except thin lens (< 1 in.) of organic matter (leaf and wood fragments) and shell fragments at 20 ft.	3	14	AP-SD004-26-03 PCB Analysis
24			Core completed at 26 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

12-10-2001 c:\mtech5\acegeo\kzoo\sd004\sd004-26.bor

LOG OF BORING SD004-27

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in)	3
Drilling Method	: Hand Push	Total Recovery (in)	24
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT with trace organic matter (leaf and wood fragments), moist-wet.	1	6	AP-SD004-27-01 PCB Analysis
6		ML	Same as above	2	6	AP-SD004-27-02 PCB Analysis
12		SP	f-m SAND with organic matter (leaf and wood fragments), shell fragments.			
18		SP	Same as above, moist-wet.	3	12	AP-SD004-27-03 (Duplicate Sample Collected) PCB Analysis
24			Core completed at 24 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-28

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	08/28/01	Borehole Diameter (in)	3
Drilling Method	: Hand Push	Total Recovery (in)	: 26
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown to gray f-c SAND with f-c gravel, trace silt, shell fragments, wet.			
		ML	Black clayey SILT with trace organic matter (leaf and wood fragments).	1	6	AP-SD004-28-01 PCB Analysis
6		ML	Same as above, moist-wet.	2	6	AP-SD004-28-02 PCB Analysis
12		ML	Same as above, moist-wet.	3	10	AP-SD004-28-03 PCB Analysis
18						
24		SP	Dark gray to black poorly graded f-m SAND with trace shells, shell fragments, wood fragments, wet.	4	4	AP-SD004-28-04 PCB Analysis
			Core completed at 26 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-29

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 33
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black, wet.	1	6	AP-SD004-29-01 PCB Analysis
6		ML	Black to dark gray clayey SILT-SILT with trace clay (less with depth), trace organic matter (leaf and wood fragments), moist-wet. lens of f-c shell fragments and wood fragments at 22 ft.	2	6	AP-SD004-29-02 PCB Analysis
12						
18				3	12	AP-SD004-29-03 PCB Analysis
24		ML	Same as above.	4	9	AP-SD004-29-04 PCB Analysis
30						
			Core completed at 33 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-30

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in.): 3
Total Recovery (in.) : 26

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown f-c SAND with f-c gravel, shell fragments, wet.			
6		ML	Black clayey SILT with trace organic matter (leaf and wood fragments), shell fragments, fine gravel, moist-wet.	1	8	AP-SD004-30-01 PCB Analysis
12		ML	Same as above.	2	8	AP-SD004-30-02 (Duplicate Sample Collected) PCB Analysis
18			VOID Space			
24		SP	Dark gray to black poorly graded f-m SAND, with lens of clayey SILT, shells and shell fragments, wet.	3	3	AP-SD004-30-03 PCB Analysis
			Core completed at 26 inches bgs.			
30						
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-31

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Mary Lannon
X, Y Coordinates :

Borehole Diameter (in): 3
Total Recovery (in) : 30

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown to dark gray well graded f-c SAND with f-c gravel, trace silt, shell, wood and glass fragments, wet.	1	6	AP-SD004-31-01 PCB Analysis
6		ML	Black clayey SILT with trace organic matter (leaf and wood fragments), fine gravel, moist-wet.	2	6	AP-SD004-31-02 PCB Analysis
12		SP	f-m SAND, shell fragments at bottom, moist-wet.	3	7	AP-SD004-31-03 PCB Analysis
18			VOID space (water)			
24		SP	Dark gray poorly graded f-m SAND with coarse shell fragments and shells, trace silt and wood fragments, moist-wet.	4	5	AP-SD004-31-04 PCB Analysis
30			Core completed at 30 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-32

WESTON MANAGERS DESIGNERS CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	3
Drilling Method	: Hand Push	Total Recovery (in.)	30
Drilled By	. Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Brown to gray well graded f-c SAND with trace f-c gravel, shells and shell fragments, wet.	1	4	AP-SD004-32-01 PCB Analysis
6		ML	Black clayey SILT with trace organic matter(leaf fragments), shells, trace fine sand, moist-wet.	2	8	AP-SD004-32-02 PCB Analysis
12		SP	Light gray to brown poorly graded f-m SAND, trace shells and shell fragments, fine gravel, wet.	3	10	AP-SD004-32-03 PCB Analysis
18						
24		ML	Black clayey SILT-silt with trace clay, trace organic matter(leaf and wood fragments), shell fragments, moist-wet.	4	8	AP-SD004-32-04 PCB Analysis
30			Core completed at 30 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-33

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.) : 3
Total Recovery (in.) : 31

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Gray poorly graded SAND with gravel and rocks, organic matter, shells, roots, wet.	1	4	AP-SD004-33-01 PCB Analysis
6		ML	Black SILT with trace clay, trace gravel and sand, organic matter, shells, organic odor, moist.	2	8	AP-SD004-33-02 PCB Analysis
12		ML	Same as above.	3	8	AP-SD004-33-03 (Duplicate Sample Collected) PCB Analysis
18						
24		SP	Gray poorly graded silty SAND, organic matter, shells, organic odor, wet.	4	7	AP-SD004-33-04 PCB Analysis
30		ML	Black SILT with trace clay, organic matter, organic odor, slightly moist.	5	4	AP-SD004-33-05 PCB Analysis
			Core completed at 31 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-34

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates

Borehole Diameter (in.) 3
Total Recovery (in.) 28

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black SILT with trace clay, organic matter, organic odor, moist.	1	6	AP-SD004-34-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD004-34-02 PCB Analysis
12		SP	Gray poorly sorted SAND, shells, wet.	3	8	AP-SD004-34-03 PCB Analysis
18						
24		ML	Black SILT with trace clay, organic matter (leaves and wood pieces), roots, organic odor, slight moisture.	4	8	AP-SD004-34-04 (Duplicate Sample Collected) PCB Analysis
30			Core completed at 28 inches bgs.			
36						
42						
48						
54						
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66						
72						

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LOG OF BORING SD004-35

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 32
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown gravelly SAND, wet.			
6		ML	Black SILT, organic matter, organic odor, moist.	1	7	AP-SD004-35-01 PCB Analysis
		SP	Gray m-c SAND, organic matter, organic odor, moist.	2	4	AP-SD004-35-02 PCB Analysis
12		ML	Black SILT, organic matter (leaves), roots, shell fragments, organic odor, wet.	3	3	AP-SD004-35-03 PCB Analysis
18		SP	Gray m-c SAND, organic matter, shell fragments, organic odor, wet.	4	8	AP-SD004-35-04 PCB Analysis
24		ML	Black clayey SILT, organic matter, roots, strong organic odor.	5	10	AP-SD004-35-05 PCB Analysis
30			Core completed at 32 inches bgs.			
36						
42						
48						
54						
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72						

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LOG OF BORING SD004-36

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 35
Drilled By	: Joe Ruiz		
Logged By	: Mary Lannon		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SW	Black well graded f-c SAND with f-c gravel, trace silt and clay, shell fragments (fewer with depth), wet	1	6	AP-SD004-36-01 PCB Analysis
6		ML	Black clayey SILT with trace organic matter(leaf and wood fragments), fine gravel, moist-wet.	2	6	AP-SD004-36-02 PCB Analysis
12		ML	Same as above, trace fine shell fragments, moist-wet.	3	6	AP-SD004-36-03 PCB Analysis
18		SP	Dark gray poorly graded f-m SAND with trace silt, f-c shell fragments and wood fragments (coarser with depth), then f-c sand with fine gravel, shells, and coarse shell fragments at 29 in., wet.	4	11	AP-SD004-36-04 PCB Analysis
30		ML	Black clayey SILT - SILT with trace stiff clay, shell fragments, organic matter (detrius), moist-wet.	5	6	AP-SD004-36-05 PCB Analysis
36			Core completed at 35 inches bgs.			
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-37

WESTON MANAGERS DESIGNERS/CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled : 08/28/01
Drilling Method : Hand Push
Drilled By : Joe Ruiz
Logged By : Heidi Nemeth
X, Y Coordinates :

Borehole Diameter (in.). 3
Total Recovery (in) : 32

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		ML	Black clayey SILT, organic matter, organic odor, shell fragments, moist.	1	6	AP-SD004-37-01 PCB Analysis
6		ML	Same as above.	2	6	AP-SD004-37-02 PCB Analysis
12 18		SW	Dark gray large grade, well sorted SAND, shells, organic matter, organic odor, wet.	3	12	AP-SD004-37-03 PCB Analysis
24 30		ML	Black SILT with trace clay, organic matter, organic odor, moist.	4	8	AP-SD004-37-04 (Duplicate Sample Collected) PCB Analysis
			Core completed at 32 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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LOG OF BORING SD004-38

WESTON MANAGERS DESIGNERS·CONSULTANTS

U.S. Environmental Protection Agency
Sediment Evaluation
Allied Paper Site
Phase II
Plainwell, Michigan

Date Drilled	: 08/28/01	Borehole Diameter (in.)	: 3
Drilling Method	: Hand Push	Total Recovery (in.)	: 31
Drilled By	: Joe Ruiz		
Logged By	: Heidi Nemeth		
X, Y Coordinates	:		

Depth in Inches	GRAPHIC	USCS	DESCRIPTION	Samples	Sample Recovery (Inches)	REMARKS
0		SP	Brown coarse, poorly sorted SAND and gravel, organic matter, shells, wet.	1	7	AP-SD004-38-01 PCB Analysis
6		ML	Black SILT with trace clay, organic matter (leaves), roots, shell fragments, moist..	2	5	AP-SD004-38-02 PCB Analysis
12		ML	Same as above.	3	12	AP-SD004-38-03 PCB Analysis
18						
24		ML	Same as above.	4	7	AP-SD004-38-04 PCB Analysis
30			Core completed at 31 inches bgs.			
36						
42						
48						
54						
60						
66						
72						

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