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Our Contribution to the Environment®

May 4, 2015

Dr. Montague McPherson
Georgia Department of Natural Resources
Response and Remediation Program
Suite 1462 East Tower
2 Martin Luther King, Jr. Drive, S.E.
Atlanta, Georgia 30334-9000

Subject: **Fifth VIRP Semi-annual Progress Report**
Georgia Ports Authority-Bainbridge Terminal
HSI Site No. 10071
1321 Spring Creek Road,
Land Lot 373, Parcels: 20, 21A, and portion of Parcel 19,
Bainbridge, Decatur County, Georgia

Dear Mr. McPherson:

On behalf of Georgia Ports Authority (GPA), Environmental International Corporation (EIC) is pleased to submit the attached documents as the Fifth Voluntary Investigation and Remediation Plan (VIRP) Semi-annual Progress Report for the above referenced site.

Enclosed are the following material:

1. One signed and sealed certification page for the Semi-annual Report.
2. One copy of EIC's Fifth VIRP Semi-annual Progress Report.
3. Two Compact Discs each with the report in searchable PDF format.

If you have any questions regarding this submittal, please contact Mr. Christopher Novack of GPA at 912-964-3922 or me at the above location.

Sincerely,

ENVIRONMENTAL INTERNATIONAL CORPORATION

Raj Mahadevaiah, P.E., C.G.W.P.
President & CEO

Cc: Christopher Novack, GPA

CERTIFICATION AND SUPPORTING DOCUMENTS
Fifth VIRP Semi-annual Progress Report
Georgia Ports Authority-Bainbridge Terminal
HSI Site No. 10071
May 4, 2015

"I certify under penalty of law that the accompanying report referenced above and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Investigation and Remediation Plan (VIRP) development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Basavaraj Mahadevaiah, GA PE No. 23198
Environmental International Corporation
770-772-7100, ext. 223

5/4/15
Date

Signature and Stamp

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

May 4, 2015

Submitted To:

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

Georgia Department of Natural Resources

Response and Remediation Program

Suite 1462 East Tower
2 Martin Luther King Jr. Drive, S.E.
Atlanta, Georgia 30334

Prepared for:

GEORGIA PORTS AUTHORITY

P.O. Box 2406

Savannah, Georgia 31402

Prepared by:

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A1. December 2014 Survey Report
A2. April 2015 Survey Report

B. AOC-2 Soil and December 2014 IDW Characterization Analytical Results

C1. Waste Acceptance and Agreement Form

C2. IDW Soil Manifest

C3. IDW Soil Landfill Weight Ticket

D1. IDW Water Manifest

D2. IDW Water Certificate of Treatment

E1. IDW Drums Manifest

E2. IDW Drums Certificate of Destruction

F. March 2015 Well Purging and Sampling Field Logs

G. March 2015 Groundwater Analytical Results

H. Monthly Summary of Hours Invoiced

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A. Site Conceptual Model Report

SECTION

1

1. INTRODUCTION

On behalf of the Georgia Ports Authority (GPA), Environmental International Corporation (EIC) is pleased to submit the Fifth Semi-annual Progress Report to the Georgia Environmental Protection Division (EPD). This report was prepared as outlined in the Voluntary Investigation and Remediation Plan (VIRP) dated July 27, 2012 that was subsequently approved by the EPD on November 2, 2012 under the Voluntary Remediation Program (VRP).

1.1 PRIMARY OBJECTIVES

The primary objectives of this report is to present a compilation of tasks conducted by EIC during the sixth-month time frame covering the period from November 2014 to April 2015. This report documents the following tasks which were completed to create a better understanding of site conditions and constituents of concern (COC) trends, dispose of investigative derived waste (IDW), and to address concerns from the EPD:

- Addressing comments from EPD
- Monitoring well installation and survey
- AOC-2 soil delineation sampling
- Investigative derived waste (IDW) characterization and disposal
- Continued evaluation of COC trends in groundwater
- Site conceptual model update

SECTION

2

2. EPD COMMENT LETTER

GPA received a letter from the EPD, dated July 2, 2014 (EPD, 2014), commenting on its review of the First, Second and Third VIRP Semi-Annual Progress Reports EIC prepared, dated May 9, 2013, October 30, 2013, and April 30, 2014, (EIC, 2013a, 2013b, 2014a), and of a groundwater monitoring report by a previous consultant (CH2M, 2013) dated February 20, 2013. This letter was the last official response that GPA received from EPD. EIC addressed each of these comments in the Fourth Semi-annual Progress Report, submitted in October 2014. The following are follow-up responses based on subsequent site activities and analyses.

EPD Comment 2

EPD concurs that the soil contamination immediately north of AOC 2 is delineated. However, the extent of soil exceedances has not been determined to the south and should be addressed in future reports. EPD recommends that AOC 2 be expanded to the east to include the adjacent railroad tracks and to the south and west to abut the AOC 1 fence line.

Previous October 2014 Response:

"In AOC-2, EIC will collect additional samples within the railroad tracks located to the east of Warehouse No. 3. As discussed in Section 4.2.3 of the VIRP, however, the site remedy for the paved area beneath AOC-2 entails institutional controls and site covenants. As such, additional samples in paved areas to the south and west do not add value."

Follow-up Response:

EIC collected additional samples in AOC-2 as discussed in Section 4 of this report. Samples were collected at locations depicted in Figure 4-1. From Figure 4-1, it is apparent that delineation to the east of AOC-2 is complete.

EPD Comment 5

Figure 4-5 and Table 4-3 indicate MW-13 was dry and was not sampled in the December 2013 sampling event. This well has historically exceeded risk reduction standards for beta-BHC whenever sampling was possible. Therefore, delineation west of MW-13 is not complete as noted in Comment 5 of our November 2, 2012 letter.

Note that horizontal delineation on GPA property was to be completed by November 2, 2013 in accordance with the VIRP checklist. Please include historical data for MW-13 in future Groundwater Data Summary tables.

Previous October 2014 Response:

"EIC has proposed the installation of one or two wells southwest of MW-13 for completing horizontal delineation. As documented in Section 4.2.2.2 of [the Fourth Semi-annual] report, EIC has taken corrective action to prevent dry conditions in MW-13. This will provide more consistent groundwater monitoring data in the future. Table 3-4 includes additional historical groundwater analytical results data for MW-13 ranging from March 2013 to April 2002."

Follow-up Response:

EIC installed MW-24 as described in Section 3 of this report. Groundwater from MW-24 was first sampled in March of 2015 and all COCs in this sample were below the risk reduction standard (RRS), as listed in Table 6-3. From this result, it is apparent that COCs in groundwater have been delineated west of MW-13.

EPD Comment 6

GPA has presented evidence that a source of groundwater contamination exists upgradient of the GPA property and proposes to provide more detail in an updated conceptual site model in the next semi-annual report. While EPD does concur with this analysis, we do not concur with the implications in the reports that all pesticide and sulfate groundwater detections are from upgradient sources. We suspect multiple sources both on and off the GPA property.

Previous October 2014 Response:

"The EPD's concurrence with upgradient contamination analysis is noted and will be referenced in future reports. An updated site conceptual model is in progress and will be included in future semi-annual reports. EIC will continue to investigate and evaluate contaminant sources and conditions/mechanisms that contribute to the observed contaminant levels."

Follow-up Response:

Appendix A includes an updated site conceptual model (SCM) report. The SCM considers historical data and all analysis conducted since the approval of the VIRP and represents EIC's understanding of the site conditions and potential source(s) of contamination.

SECTION

3

3. WELL INSTALLATION AND SURVEY

To delineate the BHC plume west of MW-13, EIC installed monitoring well MW-24 in December 2014. During the installation, EIC recorded lithological and well construction details. Following the installation of MW-24, EIC utilized Donaldson Garrett and Associates, Inc. (DGA), a Georgia licensed land surveyor, to accurately measure and record the location and elevation of the top-of-casing (TOC) of MW-24, and other wells in the area. The following sub-sections describe these site activities in further detail.

3.1 MW-24 INSTALLATION

EIC installed MW-24 approximately two-hundred feet west of MW-13 with a depth and screened interval similar to that of well MW-13. The well was installed by a Georgia licensed drilling contractor, under EIC's supervision. Utilizing a Geo-probe, equipped with an 8.25-inch outer diameter hollow-stem auger bit and augers, EIC completed the borehole for MW-24 to a total depth of 24 feet. During the drilling process, EIC characterized and logged soil from 5-foot long soil cores. A lithological/well construction log of MW-24 is illustrated in Figure 3-1.

Following the completion of the borehole for MW-24, a 10-foot section of 0.010-slotted PVC screen assembled to a 15-foot section of blank 2-inch diameter well casing was placed inside the hollow stem augers in the borehole and the augers were slowly removed, centering the well screen. Due to the flowing sand condition, four feet of native sand infilled the annulus space around the well screen as the augers were removed from the borehole. As this sand was observed to have similar properties to the filter pack sand, it is not believed to have had a negative impact on the well. The annular space around the PVC screen and casing was then filled with 20/30 filter pack sand up to approximately two feet above the screened interval. A two-foot thick bentonite seal was then installed above the filter pack. A 5% bentonite cement mixture (grout) was placed into the annulus space from the bentonite seal to within approximately 12 inches below ground surface. After placement, the well casing was cut level to ground surface and a locking pressure seal well cap was installed on the casing. The bentonite and grout was then allowed to settle and set for several hours.

After the grout was allowed to settle in the annulus space, pea gravel was placed above the grout to within approximately 6-inches below the ground surface to prevent surface water accumulation in the well vault. Next an 8-inch diameter cast-iron well vault with bolted lid and a 2-foot wide, 2-

foot, long and 6-inch thick concrete collar were installed around the well casing and cap. Upon completing the construction of MW-24, EIC placed a weather-resistant key lock on the well cap.

Following the completion of MW-24, EIC developed MW-24 for approximately two hours by bailing groundwater utilizing a disposable bailer. Although the bailing removed a volume of one 55-gallon drum of purged groundwater, the groundwater remained slightly turbid.

During a later site visit, in January of 2015, EIC further developed MW-24 utilizing a submersible pump. Approximately 55-gallons were purged over an hour of pumping and surging. The development water ran clear while the pump was raised and lowered within the full interval the water column except for slight turbidity when the pump was within the interval from two to four feet above the bottom of the well. During the first groundwater sampling event at this well in March 2015 (Refer to Section 6) the groundwater pumped with a peristaltic pump yielded relative clear water. Additionally, during this sampling event, the water level in the well remained unchanged during pumping, indicating an unhindered hydraulic connection to the groundwater.

3.2 DECEMBER 2014 WELL SURVEY

Following the installation of MW-24, EIC retained DGA to survey the TOC and ground surface elevation of MW-24. In addition, the TOC and ground surface elevations of additional monitoring wells, were surveyed to reconfirm the elevations. These wells were namely MW-2, MW-5A, MW-5D, MW-8, MW-12, and MW-13. DGA conducted the survey in December 2014 utilizing conventional survey techniques. The TOC and ground surface elevations were measured to within 1/100th of a foot. The December 2014 DGA survey report, Attachment A1, documents this survey. Note that the reported TOC elevation for MW-2 was 0.89 ft. lower than the historically reported elevation.

3.3 APRIL 2015 WELL SURVEY

EIC recognized that several wells were surveyed in increments using previously designated land marks. Based on an evaluation of the incremental surveying data, EIC requested DGA to resurvey all wells referenced to one reference benchmark. Subsequently, DGA returned to the site in April 2015 to perform the resurveying all wells. At that time, DGA used conventional survey techniques and measured the TOC elevations of each monitoring well and the stilling well from a single reference point. The survey report is included as Attachment A1. From this report, minor differences in the TOC elevation of each well can be observed. EIC has updated both historical and current groundwater elevation data to reflect these changes.

SECTION

4

4. AOC-2 SOIL SAMPLING

In response to comment number two of the July 2, 2014 EPD comment letter (Refer to Section 2), EIC conducted soil sampling along the eastern edge of AOC-2 to complete the delineation of COCs in the soil beneath the unpaved areas. The following sub-sections describe the procedures and results of the AOC-2 soil delineation sampling.

4.1 AOC-2 BACKGROUND

As stated in the VIRP application, AOC-2 is primarily covered by an impermeable barrier. This barrier consists of the concrete slab foundation of Warehouse 3 and the surrounding asphalt pavement. This barrier eliminates potential direct human exposure to the underlying soil. In addition, GPA has established site covenants at the facility -as specified in the VIRP application - to eliminate exposure to construction or to underground utility workers who may potentially expose soils in the area.

In response to EPD's comment (noted in Section 2), EIC conducted soil sampling within AOC-2 along its northern boundary in June 2013- as discussed in the Second Semi-annual Progress report. The sampling results confirmed that COCs were delineated below the established RRS along the northern unpaved area of AOC-2.

The EPD concurred with the results of the delineation of the northern boundary of AOC-2 in its July 2, 2014 comments letter. EPD, however, required that the eastern boundary of AOC-2 be expanded to include the adjacent railroad tracks. Consequently, EIC conducted a second AOC-2 sampling event along the eastern boundary of AOC-2 and east of the adjacent railroad tracks in December 2014. Section 4.2 includes a discussion of the soil sampling activities, soil boring survey, and analytical data evaluation regarding the delineation of the eastern boundary of AOC-2.

4.2 DECEMBER 2014 AOC-2 SOIL SAMPLING

4.2.1 Sampling Protocol

The soil sampling program was conducted in accordance with the current U.S. EPA soil sampling procedure "Field Branches Quality System and Technical Procedures" (FBQSTP) per the EPD regulations. Each soil sample was collected following the technique established in the standard operating procedure (SOP) SESDPROC-300-R3 under the FBQSTP (EPA, 2014).

Prior to the beginning of each soil boring, each location was cleared of any surface debris such as tree limbs, leaves, or other forms of detritus. After all vegetation cover had been cleared, EIC utilized a decontaminated stainless steel hand auger to advance a 1.5 inch diameter sand auger to collect discrete samples from the zero to two foot and from the three to five foot intervals below ground surface. After each discrete soil sample was collected, the sand auger was decontaminated by washing with a phosphate free detergent, rinsing with deionized water, and allowing it to dry before reuse in accordance with EPD's Field Equipment and Decontamination guidelines SESDPROC-205 (EPA, 2011).

After each soil sample was retrieved, it was deposited into a decontaminated stainless steel bowl for homogenization. The homogenization was completed in accordance with EPD's guidance document SESDPROC-300-R3. The soil samples were thoroughly mixed to ensure that each sample was representative of each respective zone. Each homogenized sample was then placed into a laboratory supplied four-ounce glass jar and the jar cap securely tightened. Threads on the containers and lids were cleaned to ensure a tight seal when closed. The exterior of each sample jar was then cleaned and labeled and placed into a laboratory supplied insulated thermal cooler with ice for storage. Following all soil boring activities, unused soil was placed back into each respective borehole from which it originated.

4.2.2 Samples Submittal and Analysis

Prior to submitting the soil samples to the laboratory, EIC completed chain of custody (COC) forms and these forms accompanied all samples. EIC submitted all soil samples and COC forms to Xenco Laboratories, a Georgia Department of Natural Resources-certified laboratory located in Norcross, Georgia (Xenco), for analysis. The laboratory analyzed the soil samples for organochlorine pesticides contaminants using EPA Method 8081B/3660B (sulfur cleanup). The laboratory report is included as Attachment B.

4.2.3 Soil Boring Survey

As previously discussed in Section 3.2, EIC utilized DGA to conduct the survey concurrently with other monitoring well survey tasks conducted in December 2014, Based on survey data, the locations of the soil borings along the eastern boundary of AOC-2 are illustrated in Figure 4-1 with yellow highlights and labels. Figure 4-1 also illustrates other historical soil samples collected in AOC-2 for delineation purposes.

4.2.4 Data Evaluation

From Figure 4-1, it is apparent that the concentrations of the COCs in soil collected from both the zero to two foot and three to five foot intervals of each of the four soil borings along the eastern boundary of AOC-2 are below RRS limits. Additionally, all samples on the eastern boundary are below the delineation standard with several samples also below the method detection limit (MDL). Considering that the COCs in AOC-2 have been delineated towards the east, EIC has determined that the eastern boundary of AOC-2 should remain unaltered as originally defined in the VIRP.

Additionally, as both the northern and eastern unpaved boundaries of AOC-2 have been delineated, it is clear that the site engineering and institutional controls fully address the contaminated soil management objectives described in the VIRP application.

SECTION

5

5. IDW CHARACTERIZATION & DISPOSAL

As discussed in Section 7 of the Fourth Semi-annual progress report (EIC, 2014b), Investigation Derived Waste (IDW) was generated through the installation of monitoring well MW-23, repairs to existing monitoring wells, and from routine groundwater sampling. Therefore, EIC characterized the IDW generated during the activities chronicled in the fourth semiannual report for proper disposal in July 2014. Following the submission of the Fourth Semi-annual Progress Report, however, a new monitoring well, MW-24, was installed. Therefore, the solid and liquid waste from this well installation event were later characterized in December 2014. The following subsections describe the December 2014 IDW characterization sampling event and subsequent disposal of all aforementioned IDW in January 2015.

5.1 DECEMBER 2014 IDW CHARACTERIZATION

During the installation of MW-24, both solid and liquid IDW was generated. This solid and liquid IDW was containerized into two drums each and staged with the existing drummed IDW adjacent to the western wall of the T-Shed onsite. The solid IDW consisted of soil cuttings from the borehole of MW-24 and the liquid IDW consisted of purge water from the development of MW-24. EIC collected soil and water samples from each of the aforementioned drums and submitted the samples to a certified laboratory for the analysis of COC concentrations.

Representative samples were collected from each solid IDW drum utilizing a decontaminated sand probe with disposable acetate sleeves. Each sample was placed into a stainless steel bowl and homogenized before being containerized into a laboratory-supplied four-ounce glass jar. A representative sample from the liquid IDW drums was obtained utilizing a new disposable bailer inserted through the drum bung. This sample was transferred to a laboratory-supplied 1-liter amber glass bottle.

Each sample was labeled and stored with double-bagged ice in an insulated cooler container provided by the laboratory. A completed chain of custody form accompanied all samples. EIC submitted all samples to Xenco Laboratories for analysis. The laboratory analyzed the soil samples for organochlorine pesticides contaminants using EPA Method 1311/8081B/3660B which included the Toxicity Characteristic Leaching Procedure (TCLP) and sulfur cleanup. The laboratory analyzed the liquid IDW sample for organochlorine pesticides contaminants using EPA Method 8081B/3660B. The laboratory report is included as Attachment B.

Table 5-1 and Table 5-2 summarize the maximum contaminant concentrations observed at the site for regulated contaminants of concern in solid and liquid IDW, respectively. From these tables, it is apparent that all IDW containerized at the site can be considered non-hazardous and disposed of as such.

5.2 WASTE DISPOSAL

Following the characterization of the aforementioned IDW in July and December 2014, EIC arranged for the disposal of the IDW in January 2015.

5.2.1 Solid Waste Disposal

Prior to the disposal of solid IDW, EIC completed a Waste Acceptance Application and Agreement (WAAA, Attachment C1) form for the local Decatur County Solid Waste Disposal Facility (landfill). Following the approval of the WAAA, EIC contracted Aqua-Terra Recycling and Treatment, Inc. (ATR) to transfer the solid IDW from the solid waste containing drums to a roll-off container and transport this container to the Decatur County landfill. Prior to the transportation of the solid IDW from the GPA Bainbridge Terminal to the Decatur County landfill, EIC issued a non-hazardous waste manifest to the driver of the truck hauling the roll-off container. EIC traveled in convoy with the truck driver from the site to the landfill to document the solid IDW disposal. The waste manifest was then fully endorsed by a county landfill operator after the solid waste reached the landfill. The non-hazardous solid IDW manifest is included as Attachment C2. The roll-off container was weighed upon arrival at the landfill and again after depositing the solid IDW in the landfill by the county landfill operator. The weight ticket with the total amount of deposited solid waste is included as Attachment C3. From Attachment C3, 2.04 tons of solid waste were delivered and deposited in the Decatur County landfill.

5.2.2 Liquid Waste Disposal

EIC had ATR pump the liquid IDW from the liquid containing drums into an ATR bulk tank vacuum truck and transport the IDW to the ATR treatment facility in Oxford, Georgia. Prior to the transportation of the liquid IDW from the GPA Bainbridge Terminal to the treatment facility, EIC issued a non-hazardous waste manifest to the driver of the vacuum truck. EIC traveled in convoy with the vacuum truck driver from the site to the treatment facility to document the liquid IDW disposal. The manifest was fully endorsed by ATR after the liquid reached the treatment facility. Additionally, following the treatment of the liquid IDW, Aqua-Terra issued a certificate of treatment and disposal to EIC. The non-hazardous waste manifest and certificate of treatment and disposal are included as Attachments D1 and D2, respectively. In reference to the certificate of treatment and disposal, 483 gallons of liquid IDW were accepted and treated by this facility.

5.2.3 Empty Drum Disposal

After all solid and liquid IDW had been transferred from the steel drums, EIC inspected the empty drums. EIC had ATR transport any drums that were deemed to be unfit for continued use

to LB Recycling & Waste Services facility in Covington, Georgia. All remaining drums were labeled as "Empty" and staged by the north side of the T-Shed by GPA for future use in storing IDW. Prior to the transportation of the empty drums from the GPA Bainbridge Terminal to LB Recycling & Waste Services, EIC issued a non-hazardous waste manifest to the driver of an ATR box truck. EIC traveled in a convoy with the box truck driver from the site to the recycling facility to document the disposal of the drums. The manifest was fully endorsed by a representative of the recycling facility after the empty drums reached the recycling facility. Following the destruction of the empty drums, LB Recycling issued a Letter of Destruction to EIC. The Non-hazardous Waste Manifest and Certificate of Destruction, are included as Attachments E1 and E2, respectively. From Attachment E2, 520 pounds of scrap drums (10 empty drums) were accepted and destroyed by this facility.

SECTION

6

6. GROUNDWATER MONITORING

EIC conducted a semi-annual groundwater monitoring event during the first quarter of 2015. During this event, groundwater samples were collected from site monitoring wells and analyzed for pesticide constituents of concern (COCs). The COC analyses included the primary benzenehexachloride (BHC) composed of isomers, α-BHC, β-BHC, δ-BHC, and γ-BHC (Lindane). Under the approved VIRP (EIC, 2012), all available monitoring wells are being utilized for the monitored natural attenuation (MNA) remedial approach. The following subsections describe the monitoring program events and results.

6.1 GROUNDWATER MONITORING FIELD PROGRAM

During the March 2015 event, EIC conducted groundwater monitoring at all 25 available monitoring wells, including MW-24 which was installed in December 2014, as described in Section 3 of this report. Two of the monitoring wells (MW-14 and MW-17) are historically defined as "deep wells", as they are screened at or greater than 50 feet below ground surface (bgs). A site layout map including monitoring well locations is illustrated in Figure 6-1. In preparing this map, EIC plotted the monitoring well locations based on both historical well surveys and well surveys EIC conducted in June 2013, July 2014, and December 2014. Please note that this map has been updated so that all onsite buildings are labeled.

6.1.1 Sampling Protocol

The groundwater sampling program was conducted in accordance with the current U.S. EPA groundwater sampling procedure FBQSTP per EPD regulations. Each monitoring well was gauged, purged, and sampled following the "low-flow" purge technique established in the SOP SESDPROC-301-R3 under the FBQSTP (EPA, 2013).

6.1.2 Site Access

Prior to EIC's site visit, EIC coordinated with the GPA regarding on-site field activities and contacted Agrium U.S., Inc. (Agrium) for permission to access and conduct off-site well monitoring on the adjacent property to the northeast of the GPA site where wells MW-15, MW-16, MW-18, MW-19, MW-20, and MW-21 are located. EIC also contacted the Georgia Department of

Transportation (DOT) to obtain permission to access monitoring well MW-22, located on the north right-of-way of Georgia State Highway 253/Spring Creek Road. Upon arrival at the site, EIC acquired access permission from Ergon, Inc., whose property, to the west of the site, must be utilized to access wells MW-2 and MW-11.

6.1.3 Field Procedures

6.1.3.1 Groundwater Gauging

Prior to sampling, EIC gauged each well with a Solinst Model 122 interface meter ("oil/water interface probe") to determine the static depth to groundwater. EIC utilized top-of-casing (TOC) elevations from the most recent well surveys to determine the current groundwater elevations. The gauging data from the March 2015 monitoring event is tabulated in Table 6-1.

6.1.3.2 Groundwater Sampling

Prior to initiating well monitoring field activities in March, EIC placed a non-hazardous label on an empty 55-gallon drum that was previously staged on the north side of the T-Shed by GPA. This drum was labeled with the shipper noted as "Georgia Ports Authority", contents noted as "IDW Well Purge Water", and accumulation date noted as "03/02/2015" and was used to containerize IDW purge water throughout the event.

EIC utilized a peristaltic pump for purging and sampling groundwater. Disposable 1/4-inch inner diameter (ID) Teflon-lined tubing and silicon tubing at the pump head was utilized in all wells for purging. Groundwater from each monitoring well was pumped via the peristaltic pump through a multi-parameter field water quality meter equipped with a flow-through cell.

EIC calculated the appropriate Teflon tubing length and intake depth for each well by considering the following monitoring well characteristics: the field-measured depth to groundwater, the field-measured height of the well TOC above the ground surface, the established field-measured depth to bottom, and the documented well total depth and screened interval on well construction logs. Following the SOP SESDPROC-301-R3 (EPA, 2013), EIC set the tubing intake at approximately the center of the wetted screen interval. The pump speed was set based on well recharge and time for groundwater quality standards to reach stabilization, based on previous sampling events, to limit drawdown and purge time at each well. In the event that the recharge rate was anomalous compared to previous sampling events, the pump speed was adjusted accordingly and noted on the field purging data forms. These forms are included as Attachment F.

During purging at each well, water quality parameters including temperature, pH, oxidation-reduction potential (ORP), specific conductivity, turbidity, dissolved oxygen (DO), rate of evacuation, and depth to water were measured at approximately 5-minute intervals until certain parameters stabilized per SESDPROC-301-R3. EIC considered that parameters were stabilized when three consecutive readings were within ± 0.1 for pH and ± 5% for specific conductivity. Reasonable attempts were made to reach 0.2 mg/L DO and a turbidity reading at or below 10 nephelometric turbidity units (NTUs). These measurements were recorded on EIC's Well Purging and Sampling Data field logs (Attachment F). Groundwater quality field parameters after

stabilization and prior to sample collection are summarized in Table 6-2. Note that two wells sampled during the March 2015 event (MW-19, and MW-22) contained turbidity levels greater than 10 NTUs after reasonable attempts were made to achieve this goal prior to sampling.

After water quality parameters stabilized at each accessible well, EIC cut the Teflon-lined tubing connecting the peristaltic pump to the flow-through cell. Groundwater samples were then collected by filling sample bottles with water discharged directly from the pump. All sample bottles were properly sealed and labeled in the field. Each sample was then stored with double-bagged ice in insulated cooler containers provided by the laboratory. Completed chain-of-custody forms accompanied all samples.

After sample collection, EIC gauged the depth to bottom of all wells with the exception of MW-17. This information is recorded in EIC's Well Purging and Sampling Data field logs (Attachment F). At the conclusion of sampling activities, EIC sealed the 55-gallon drum containing IDW purge water.

EIC relinquished all samples to Xenco at their laboratory immediately after EIC personnel returned from the site. Laboratory analysis included organochlorine pesticides contaminants using EPA Method 8081B/3660B (sulfur cleanup). The laboratory report for the March sampling event is included as Attachment G. The results of these analyses are summarized in Table 6-3 along with historical groundwater analysis. Please note that the sample from well MW-11 was analyzed past recommended hold time due to laboratory error. As noted in the case narrative, the sample was analyzed less than 24 hours past the recommend hold time and results were comparable to historical values observed at MW-11.

6.2 QUALITY ASSURANCE AND QUALITY CONTROL

During the groundwater sampling event in March 2015, EIC collected additional samples for quality assurance (QA) and for the validation of analytical results. For organochlorine pesticides laboratory matrix spike analysis, one additional sample from wells MW-8 and MW-22 was collected. A duplicate sample from well MW-10, and an equipment rinsate (blank) sample were also collected. The equipment blank sample was collected by pumping de-ionized water through a 10-foot section of Teflon-lined tubing and approximately 6-inches of silicone tubing.

Each QA sample collected at the site was stored with ice in coolers and delivered to the laboratory along with the groundwater samples. These samples were analyzed via EPA method 8081B/3660B. All sample bottles were properly sealed and labeled in the field.

To prevent cross-contamination, new disposable Teflon-lined tubing and disposable silicone tubing were used to collect all samples. EIC's oil/water interface probe and tubing cutter tool were field decontaminated prior to use and between sample locations by washing with pressurized phosphate-free detergent solution and rinsing with pressurized de-ionized (DI) water. After each sample was collected, the multi-parameter water quality meter, the parameter sensors, and the flow-through cell were decontaminated by disassembling and cleaning with pressurized DI water and, if needed, pressurized phosphate-free detergent.

6.2.1 QA Evaluation

The analytical results of all of the parameters in the equipment blank except beta- and delta-BHC with concentrations of 0.0700 µg/L and 0.0340 µg/L, respectively, were below the MDL. The concentrations observed for beta- and delta-BHC may be false positives due to a Relative Percent Difference (RPD) issue that is documented in the lab case narrative. In the duplicate MW-10 sample, alpha, beta-, delta-, and gamma-BHC constituents were all above the MDL, in concurrence with the primary MW-10 sample, and both the primary as well as duplicate samples had similar concentrations.

6.3 DATA EVALUATION

EIC conducted an evaluation of the data compiled from field measurements and laboratory analyses to determine the groundwater potentiometric surface and the horizontal and vertical extent of the prevailing COC plumes for the March 2015 monitoring events. Data from the sampling events was compared to the data from the baseline event in March 2013 and with each of the three subsequent quarterly sampling events to determine if monitored natural attenuation is in progress at the site and if it is likely to lead to remedial end points.

6.3.1 Groundwater Potentiometric Map

Utilizing gauging data summarized in Table 6-1 from the March 2015 groundwater monitoring event, EIC prepared a groundwater potentiometric surface map, illustrated in Figure 6-2. For comparative purposes, the contour interval utilized for the groundwater potentiometric surface analyses was identical to those prepared from previous sampling events documented in previous semi-annual reports. Referring to Figure 6-2, it is apparent that groundwater continues to flow to the southeast towards the Flint River.

As illustrated in Figure 6-2, the significant correction to the TOC elevation of MW-2, discussed in Section 3.2 of this report, indicated that there is a relatively lower hydraulic gradient across the southeastern portion of the site. Table 6-4 shows historical and current groundwater potentiometric surface elevations for all wells at the site as well as statistical data for each monitoring event. Referring to Table 6-4, the average groundwater elevation across the site for the March 2015 gauging event was 78.79 ft. This value lies between the average ground water elevations of 79.25 ft. and 77.09 ft. from the March and September 2014 groundwater monitoring events, respectively. This continues to support the general trend of seasonal groundwater fluctuation apparent at the site since the beginning of VIRP monitoring.

In reviewing the data from the March 2015 monitoring, EIC observed that the groundwater elevation at MW-10 was anomalous relative to the adjacent wells MW-7 and MW-21. This anomaly is apparent in Table 6-4 when groundwater levels during the March 2015 event from these three wells are compared with those of previous sampling events. As such, the calculated groundwater elevation for MW-10 was not considered in depicting the groundwater potentiometric surface contours in Figure 6-2.

6.3.2 Horizontal Extent of COC Plumes

Figures 6-3 through 6-5 illustrate the horizontal extent of the BHC plumes comprised of alpha-BHC, beta-BHC, and delta-BHC during March 2015. For trend analysis, EIC utilized the same isoconcentration contour intervals as those illustrated in the VIRP submittal and in subsequent plume renderings. Additionally, the contours that illustrate delineation criterion and the RRS limits define the horizontal extent of pesticides and the extent of COC plumes that require remediation.

6.3.2.1 Alpha-BHC Plume

From Figure 6-3, both the concentration and horizontal extent of the alpha-BHC plume have decreased over time compared to the March 2013 baseline. The highest concentration in March 2015 occurred in the area of MW-22 (0.477 µg /L). The outer limits of the plume were defined by surrounding relatively low concentrations at wells MW-1, MW-1A, MW-5A, MW-7, MW-15, and MW-20. In March 2015, the leading edge of the plume receded northwest, away from the area of MW-8, and is similar to the March 2013 baseline and March 2014 sampling events.

It is noteworthy, that the alpha-BHC concentrations in all wells at the site were below RRS for the March 2015 sampling event. Figure 6-3 illustrates that the horizontal delineation of the alpha-BHC plume above RRS is complete.

6.3.2.2 Beta-BHC Plume

Figure 6-4 illustrates the horizontal extent of the beta-BHC plume during the March 2015 monitoring event. It is apparent that both the beta-BHC concentrations and horizontal extent of associated plume have fluctuated from March 2013 to March 2015. In March 2015, the highest concentrations of beta-BHC plume was detected in MW-22 (21.6 µg/L) located hydraulically up-gradient of the GPA property and to the north of Spring Creek Road.

Referring to the data from the September 2014 sampling event, there was an increase in beta-BHC at MW-5A and MW-5D from both below MDL in March 2014 to 7.47 and 18.2 µg/L, respectively, as shown in Table 6-3. However, in March 2015, the concentrations have decreased to 1.63 and 4.47 µg/L, respectively.

Near the Flint River at MW-23, however, the Beta-BHC concentrations were above RRS but changed relatively little, decreasing from 5.17 µg/L in September 2014 to 4.63 µg/L in March 2015. This is an indication of plume stability near the river.

In March 2015, a smaller secondary plume was observed at MW-13 with a concentration of 3.29 µg/L. Groundwater sampled from the newly installed well MW-24 suggests the secondary plume surrounding MW-13 does not extend past MW-24.

Referring to Figure 6-4, it is apparent that the horizontal extent of the beta-BHC plume is defined to the northeast and southwest. The horizontal extent remains undefined to the northwest and upgradient beyond Spring Creek Road.

6.3.2.3 Delta-BHC Plume

Figure 6-5 illustrates the horizontal extent of the delta BHC plume during the March 2015 monitoring event. It is apparent that both the concentrations and horizontal extent of the delta-BHC contaminant plume have remained relatively stable across the site with the exception of the area of MW-22. In March 2015, the highest concentrations of the delta-BHC plume occurred at MW-22 (9.53 µg/L). Figure 6-5 illustrates that the horizontal delineation of the delta-BHC plume relative to RRS is complete, except to the north beyond Spring Creek Road.

6.3.3 Vertical Extent of COC Plumes

There are two deep wells at the site, designated as wells MW-14 and MW-17. According to historical well construction logs, the screened intervals in monitoring wells MW-14 and MW-17 range in depth from 67 to 72 feet bgs and from 50 to 60 feet bgs, respectively. EIC has therefore utilized the aforementioned wells to monitor the vertical migration of COCs.

Referring to Table 6-3, following historical trends, the concentrations of alpha-BHC, beta-BHC, and delta-BHC at wells MW-14 and MW-17, have remained below RRS through the March 2015 sampling event. As discussed in the Fourth Semi-annual report (EIC, 2014), EPD concurs with EIC that the vertical limits of the BHC plume has been defined.

6.3.4 BHC Plume Stability

Based on the findings in Sections 6.3.1 through 6.3.3, it is apparent that the BHC plume has remained stable. Based on recent sampling data, the overall concentrations and horizontal extent of BHC has decreased significantly since September 2014. EIC will continue to evaluate data from subsequent groundwater monitoring events to further define plume trends and to determine potential impact from groundwater fluctuations.

SECTION

7

7. SITE CONCEPTUAL MODEL

As specified in the Fourth Semi-annual Progress Report (EIC 2014b), EIC has updated the site SCM (Appendix A). The updated SCM addresses site hydrogeological conditions, soil contamination delineation, groundwater trend analysis, contaminate fate and transport, and potential human and ecological receptors. EIC will continue to update the SCM as COC flux changes and as more information is obtained.

SECTION

8

8. SUMMARY

During the six month period from November 2014 through April 2015, EIC has successfully completed various tasks to meet the primary objectives set forth in the VIRP. The following is a summary of various tasks conducted during this six-month period.

Horizontal delineation of COC's in soil matrix within the AOC-2 is now complete. Considering that the areas to the west and south of AOC-2 are paved with an impervious surface, it is clear that the site engineering and institutional controls are adequate to address the contaminated soil management objectives for the area as described in the VIRP application. Consequently, GPA has met all objectives outlined in the VIRP pertaining to the management of contaminated soils. GPA will therefore manage the prevailing soil contamination in the South Parcel using site covenants and engineering controls as stated in the VIRP.

Based on the analytical data from the newly installed well MW-24, it appears that the horizontal delineation of groundwater to the west of the site is complete. EIC utlizied a licensed surveyor to complete a survey of all wells to reconfirm the TOC elevations referenced to a common bench mark. This enabled EIC to reconfirm the groundwater elevations and flow direction that continues to flow to the southeast. The IDW that was generated during the aforementioned site activities was characterized in December 2014 and subsequently disposed of in January 2015 along with all other IDW generated since a previous IDW disposal event in December 2013.

Relative to historical groundwater COCs, the alpha-BHC concentrations in groundwater in all site wells were below RRS based on the March 2015 groundwater analytical results. This reduction can be attributed to MNA at the site or a potential effect from groundwater fluctuations. The highest concentrations of beta-BHC and delta BHC in groundwater, however, continues to be located hydraulically up-gradient of the GPA facility and to the north of the Spring Creek Road.

In summary, EIC has successfully completed several tasks since November 2014 consistent with the VIRP objectives. In particular, EIC has made significant progress in several areas concerning delineation of contaminants and completion of soil management objectives. EIC will continue to implement the remainder of the tasks outlined in the VIRP and work towards remedial endpoints.

SECTION

9

9. SUMMARY OF HOURS

A monthly summary of hours invoiced for the aforementioned tasks during the period from November 2014 through April 2015 is included as Attachment H.

SECTION

10

10. REFERENCES

Environmental International Corporation (EIC), 2012. "*VIRP Application, BHC Remediation*", Alpharetta, Georgia, July 31, 2012.

EIC, 2013a. "*First VIRP Semi-annual Progress Report, Georgia Ports Authority – Bainbridge Terminal, HIS Site No. 10071, 1321 Spring Creek Road, Land Lot 373, Parcels: 20, 21A, and portion of Parcel 19, Bainbridge, Decatur County, Georgia".* Alpharetta, Georgia, May 9, 2013.

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HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

TABLES

Table 5-1: Maximum Concentration of Contaminants for the Toxicity Characteristics in Solid Waste				
EPA HW No.1	**Contaminant**	**CAS Number**	**Regulatory Level (mg/L)***	**Maximum Concentration from Composite Drum Samples (mg/L)**
D020	Chlordane	57–74–9	0.03	<0.000963
D012	Endrin	72–20–8	0.02	<0.000046
D031	Heptachlor (and its epoxide)	76–44–8	0.008	<0.000028
D013	Lindane	58–89–9	0.4	<0.000016
D014	Methoxychlor	72–43–5	10	<0.000288
D015	Toxaphene	8001–35–2	0.5	<0.004230

Notes:

* = Regulatory levels for toxicity characteristics are listed in 40 CFR 261.24, 2006

only Site Contaminents of Concern, organochlrorine pesticides, are shown

HW = Hazardous Waste

mg/L = Milligrams per liter

BDL = Below detection limit

Table 5-2: Summary of Historical Contaminant Concentrations in Liquid Waste				
EPA HW No.	**Contaminant**	**CAS Number**	**Regulatory Level (mg/L)***	**Maximum Concentrations Recorded from Purged Groundwater (mg/L)**
D020	Chlordane	57–74–9	0.03	0.0051
D012	Endrin	72–20–8	0.02	0.00505
D031	Heptachlor (and its epoxide)	76–44–8	0.008	0.00253
D013	Lindane	58–89–9	0.4	0.00089
D014	Methoxychlor	72–43–5	10	0.0253
D015	Toxaphene	8001–35–2	0.5	0.253

Notes:
* = Regulatory levels for toxicity characteristics are listed in 40 CFR 261.24, 2006
only Site Contaminents of Concern, organochlrorine pesticides, are shown
EPA = Environmentla Protection Agency
HW = Hazardous Waste
mg/L = Milligrams per liter.

Table 6-1: Well Gauging Data for March 2015 Monitoring Event

Well ID # (Well Diameter, in.)	TOC Elevation*	DTW	DTB	Groundwater Surface Elevation	Notes
	ft.	ft.	ft.	ft.	
MW-1 (2)	105.22	26.11	32.80	79.11	
MW-1A (2)	105.33	26.22	36.81	79.11	
MW-2 (2)	98.86	19.88	29.20	78.98	
MW-3 (2)	97.12	18.17	27.32	78.95	
MW-4U (2)	103.51	24.52	32.38	78.99	
MW-5A (2)	96.67	17.73	22.82	78.94	
MW-5D (2)	96.12	17.18	24.88	78.94	
MW-6 (2)	102.25	23.29	51.81	78.96	
MW-7 (2)	98.10	18.69	22.25	79.41	
MW-8 (2)	93.54	14.64	21.96	78.90	
MW-9 ** (2)	NL	NA	NA	NA	
MW-10 (2)	99.83	20.75	30.75	79.08	
MW-11 (2)	100.87	21.37	27.50	79.50	
MW-12 (2)	94.06	15.40	22.53	78.66	
MW-13 (2)	93.55	15.08	22.03	78.47	
MW-14 (2)	102.11	23.00	71.50	79.11	
MW-15 (2)	98.13	19.20	21.51	78.93	
MW-16 (2)	97.15	17.93	23.83	79.22	Bailed water from vault ~ 0.5" above TOC prior to gauging
MW-17 (2)	93.65	14.53	NM	79.12	DTB measured in September 2013 was 60.61 ft.
MW-18 (2)	95.56	16.54	32.83	79.02	
MW-19 (2)	96.6	17.54	32.43	79.06	Bailed water from vault ~1" above TOC prior to gauging
MW-20 (2)	96.57	17.28	32.88	79.29	
MW-21 (2)	97.55	18.19	31.50	79.36	Bailed water from vault ~1" above TOC prior to gauging
MW-22 (2)	98.88	19.60	33.54	79.28	
MW-23 (2)	93.61	14.88	24.00	78.73	
MW-24 (2)	93.07	14.35	22.81	78.72	

Notes:

All DTW measurements were recorded prior to purging utilizing a Solinst interface meter, Model:122

Depth to bottom of each well was recorded utilizing the interface meter after purging, with the exception of MW-17

*TOC elevations were based on survey conducted by Donaldson, Garrett, & Associates, Inc. in April 2015

** Well Not Located

TOC = Top of Casing

DTW = Depth to Water below TOC

DTB = Depth to Bottom below TOC

NA = Not Applicable

NM = Not Measured

Table 6-2: Chronological Groundwater Quality Field Parameters Summary Table

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-1 (2)	7/13/2011	NM	3.65	618.00	NM	0.00	2.91
	3/28/2013	17.07	3.36	574.00	0.462	1.40	2.95
	6/4/2013	22.64	3.35	510.00	0.452	29.60	3.13
	9/3/2013	20.54	3.58	392.00	0.48	0.00	4.31
	12/3/2013	18.45	3.47	358.00	0.72	2.20	4.58
	3/25/2014	19.10	4.07	377.00	0.55	0.00	4.99
	9/4/2014	23.21	3.70	382.00	0.63	4.50	4.99
	3/3/2015	18.94	3.06	354.00	0.51	0.00	2.65
MW-1A (2)	7/13/2011	NM	3.79	572.00	NM	4.30	2.28
	3/28/2013	16.35	3.43	583.00	0.548	1.50	2.80
	6/4/2013	21.86	3.41	494.00	0.595	3.80	2.52
	9/3/2013	21.7	3.61	386.00	0.662	2.10	2.89
	12/3/2013	19.01	3.45	340.00	0.916	1.90	2.46
	3/25/2014	17.97	4.01	400.00	0.761	0.00	2.26
	9/4/2014	22.15	3.78	372.00	0.818	35.40	3.61
	3/3/2015	20.02	3.17	334.00	0.704	0.00	1.80
MW-2 (2)	7/14/2011	NM	4.24	544.00	NM	0.00	0.83
	3/28/2013	18.47	4.60	499.00	0.049	0.70	4.72
	6/3/2013	21.40	4.30	391.00	0.059	6.10	3.45
	9/4/2013	20.32	4.63	245.00	0.053	0.00	3.37
	12/4/2013	18.84	4.46	294.00	0.076	0.00	1.37
	3/25/2014	17.33	4.84	295.00	0.065	0.00	4.16
	9/3/2014	18.94	3.86	226.00	0.075	0.00	1.16
	3/2/2015	18.38	4.14	275.00	0.066	0.00	2.58
MW-3 (2)	3/28/2013	NL	NL	NL	NL	NL	NL
	6/4/2013	NS	NS	NS	NS	NS	NS
	9/5/2013	21.77	4.90	240.00	0.057	31.00	4.38
	12/4/2013	18.49	5.05	275.00	0.074	0.00	6.27
	3/25/2014	19.18	5.57	220.00	0.065	0.00	6.43
	9/4/2014	19.98	4.65	231.00	0.072	17.50	4.97
	3/3/2015	16.34	4.47	665.00	0.077	0.00	7.00
MW-4U (2)	3/28/2013	16.30	3.83	555.00	0.269	7.40	3.32
	6/4/2013	23.44	3.67	470.00	0.185	2.30	4.29
	9/3/2013	20.52	3.97	361.00	0.261	0.00	4.54
	12/3/2013	19.75	3.94	309.00	0.243	0.00	4.63
	3/25/2014	20.85	4.44	308.00	0.262	0.00	3.76
	9/4/2014	20.30	3.68	309.00	0.198	0.00	4.95
	3/3/2015	17.80	3.48	325.00	0.284	0.00	4.80

Table 6-2: Chronological Groundwater Quality Field Parameters Summary Table

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-5A (2)	7/15/2011	NM	3.96	360.00	NM	0.10	2.41
	4/6/2012	23.16	3.55	279.00	0.543	9.80	1.59
	11/20/2012	24.52	3.19	221.00	0.335	0.94	3.60
	3/26/2013	20.45	4.33	577.00	0.321	2.80	9.21
	6/4/2013	24.98	3.87	434.00	0.467	12.70	2.07
	9/5/2013	24.49	4.34	299.00	0.256	0.00	3.69
	12/5/2013	23.77	3.99	302.00	0.673	38.80	1.21
	3/26/2014	20.00	4.22	260.00	0.608	0.00	3.24
	9/5/2014	23.84	4.03	308.00	0.829	0.00	1.47
	3/5/2015	22.58	3.37	259.00	1.070	0.00	3.37
MW-5D (2)	7/15/2011	NM	5.91	266.00	NM	0.20	0.00
	4/6/2012	22.45	5.18	158.90	1.205	2.80	0.86
	11/20/2012	25.50	3.59	209.00	1.597	5.94	0.32
	3/26/2013	19.39	7.70	237.00	2.240	3.20	0.88
	6/4/2013	25.53	6.26	9.00	5.55	6.70	0.54
	9/4/2013	26.16	5.43	91.00	0.67	0.00	0.70
	12/5/2013	24.29	4.82	244.00	1.540	0.00	0.30
	3/26/2014	18.91	3.53	275.00	1.870	0.00	0.60
	9/3/2014	24.94	3.62	300.00	0.988	0.00	0.71
	3/5/2015	21.45	3.17	286.00	2.040	0.00	1.30
MW-6 (2)	7/12/2011	NM	5.69	204.00	NM	9.20	0.00
	4/4/2012	23.18	5.30	105.60	1.452	4.50	0.30
	11/20/2012	20.63	5.15	208.00	1.776	3.49	0.66
	3/26/2013	19.38	5.49	241.00	1.750	11.70	0.79
	6/5/2013	23.17	5.50	72.00	1.720	41.10	0.70
	9/3/2013	22.47	5.42	79.00	1.770	36.80	3.16
	12/5/2013	22.56	5.51	50.00	1.650	19.00	0.39
	3/26/2014	21.58	5.80	61.00	1.760	15.20	0.71
	9/4/2014	22.84	5.70	65.00	1.870	86.00	0.66
	3/4/2015	22.52	5.67	43.00	1.610	2.70	0.45
MW-7 (2)	3/27/2013	18.94	4.41	440.00	0.413	9.00	1.82
	6/3/2013	24.07	3.66	398.00	0.535	4.10	2.91
	9/4/2013	23.81	4.38	301.00	0.512	7.80	0.92
	12/3/2013	22.96	3.82	301.00	0.715	3.30	1.55
	3/26/2014	18.95	3.91	284.00	0.541	0.00	1.63
	9/3/2014	24.29	3.45	304.00	0.926	0.00	1.47
	3/4/2015	23.72	7.91	288.00	0.524	0.00	1.25

Table 6-2: Chronological Groundwater Quality Field Parameters Summary Table

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-8 (2)	7/14/2011	NM	6.89	109.00	NM	3.30	1.98
	4/5/2012	23.95	3.63	349.20	0.935	0.00	1.88
	11/20/2012	24.86	3.07	207.00	1.156	7.47	2.20
	3/26/2013	20.10	3.64	606.00	1.550	1.40	5.26
	6/5/2013	23.97	3.90	467.00	0.758	1.30	2.26
	9/4/2013	26.94	3.73	275.00	1.10	0.00	2.20
	12/5/2013	24.28	3.96	322.00	0.64	0.00	1.31
	3/26/2014	18.72	3.93	274.00	0.734	1.10	3.57
	9/3/2014	27.23	3.41	311.00	0.730	0.00	1.29
	3/5/2015	21.74	3.25	244.00	1.220	0.00	1.31
MW-9 (2)	3/25/2013	NL	NL	NL	NL	NL	NL
	6/5/2013	NL	NL	NL	NL	NL	NL
	9/4/2013	NL	NL	NL	NL	NL	NL
	12/3/2013	NL	NL	NL	NL	NL	NL
	3/25/2014	NL	NL	NL	NL	NL	NL
	9/3/2014	NL	NL	NL	NL	NL	NL
MW-10 (2)	7/12/2011	NM	3.77	582.00	NM	7.30	0.00
	4/5/2012	22.47	3.51	407.20	0.988	5.30	1.38
	11/21/2012	22.12	3.63	210.00	0.771	0.77	0.44
	3/27/2013	17.82	3.48	542.00	0.931	2.10	2.37
	6/5/2013	22.32	3.73	471.00	0.930	0.40	2.17
	9/5/2013	22.36	3.67	326.00	0.927	0.00	1.51
	12/4/2013	22.45	3.77	317.00	0.948	0.00	0.86
	3/26/2014	20.16	3.88	320.00	0.823	0.00	1.71
	9/3/2014	23.99	3.63	288.00	0.911	0.00	1.43
	3/5/2015	20.05	3.11	297.00	1.430	0.00	2.08
MW-11 (2)	7/14/2011	NM	5.87	446.00	NM	0.20	2.09
	4/6/2012	18.64	3.64	364.10	0.247	8.60	5.51
	3/28/2013	18.14	3.55	549.00	0.203	3.90	3.96
	6/4/2013	21.60	3.65	446.00	0.198	54.80	3.33
	9/3/2013	20.21	3.77	371.00	0.186	11.70	7.24
	12/3/2013	19.29	3.73	337.00	0.205	0.00	4.38
	3/25/2014	18.20	4.19	351.00	0.190	6.70	5.06
	9/3/2014	20.20	3.30	300.00	0.182	0.00	4.85
	3/5/2015	18.46	3.44	320.00	0.181	0.00	4.68

Table 6-2: Chronological Groundwater Quality Field Parameters Summary Table

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-12 (2)	7/14/2011	NM	5.41	251.00	NM	1.10	1.06
	4/5/2012	24.22	6.55	351.20	0.878	0.70	0.33
	11/20/2012	23.30	6.92	203.00	1.316	1.82	0.42
	3/26/2013	18.79	5.50	508.00	0.860	0.00	3.47
	6/5/2013	21.30	6.83	200.00	0.856	0.00	0.89
	9/3/2013	23.85	5.63	118.00	1.240	2.30	1.07
	12/4/2013	23.62	6.89	51.00	0.753	0.00	0.82
	3/26/2014	18.64	5.93	213.00	1.070	0.00	1.38
	9/2/2014	23.31	6.87	117.00	0.619	0.00	0.62
	3/4/2015	22.47	5.89	101.00	0.846	0.00	3.27
MW-13 (2)	3/27/2013	17.64	4.64	192.00	0.396	1.90	1.37
	6/6/2013	DRY	DRY	DRY	DRY	DRY	DRY
	9/5/2013	21.38	4.87	171.00	0.50	0.00	0.80
	12/4/2013	DRY	DRY	DRY	DRY	DRY	DRY
	3/26/2014	17.75	4.95	77.00	0.42	0.00	0.91
	9/2/2014	22.57	5.93	211.00	0.48	0.00	1.69
	3/5/2015	18.20	4.53	68.00	0.93	0.00	1.45
MW-14 (2)	7/12/2011	NM	7.33	-20.00	NM	9.20	0.00
	4/4/2012	24.13	8.57	42.50	0.254	0.00	4.74
	3/26/2013	20.13	7.05	-19.00	0.234	15.80	0.79
	6/5/2013	21.37	6.92	-121.00	0.270	9.90	0.82
	9/3/2013	23.28	7.00	-107.00	0.273	54.00	1.41
	12/5/2013	22.11	7.06	-115.00	0.247	0.00	0.64
	3/25/2014	18.53	7.40	-146.00	0.267	5.80	0.66
	9/4/2014	22.27	7.51	-163.00	0.290	1.90	0.51
	3/4/2015	21.41	7.67	-180.00	0.250	0.00	2.65
MW-15 (2)	4/5/2012	22.34	5.98	21.30	5.679	9.60	4.62
	3/25/2013	19.49	5.56	287.00	8.560	154.00	0.96
	6/6/2013	DRY	DRY	DRY	DRY	DRY	DRY
	9/4/2013	25.55	6.50	-84.00	3.02	135.00	0.60
	12/3/2013	DRY	DRY	DRY	DRY	DRY	DRY
	3/26/2014	16.50	4.30	292.00	4.94	0.00	1.32
	9/3/2014	24.75	4.29	250.00	3.77	0.00	1.75
	3/4/2015	21.30	4.51	237.00	2.60	0.00	0.68

Table 6-2: Chronological Groundwater Quality Field Parameters Summary Table

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-16 (2)	7/11/2011	NM	3.70	519.00	NM	0.50	3.93
	4/5/2012	23.17	4.57	272.00	0.036	0.00	5.71
	3/27/2013	16.47	4.85	503.00	0.027	16.80	8.83
	6/5/2013	21.94	4.83	381.00	0.027	2.30	6.34
	9/3/2013	24.49	5.26	181.00	0.041	116.00	3.00
	12/4/2013	23.15	4.93	222.00	0.035	36.90	3.13
	3/26/2014	19.59	4.96	236.00	0.030	0.00	4.99
	9/3/2014	28.38	4.75	259.00	0.026	0.00	4.33
	3/3/2015	20.72	4.53	183.00	0.025	0.00	6.34
MW-17 (2)	7/13/2011	NM	7.06	361.00	NM	8.10	0.67
	4/6/2012	19.34	6.01	-32.00	0.032	10.20	0.72
	11/20/2012	20.72	6.73	223.00	0.482	8.16	0.34
	3/26/2013	18.35	7.38	388.00	0.434	13.60	1.01
	6/5/2013	21.74	7.26	195.00	0.502	14.20	0.76
	9/4/2013	21.34	7.17	62.00	0.523	12.30	0.68
	12/4/2013	20.15	7.16	72.00	0.544	8.00	0.75
	3/27/2014	19.70	7.50	2.00	0.413	9.60	0.48
	9/2/2014	25.89	7.17	-118.00	0.401	11.10	0.40
	3/3/2015	20.04	6.74	-58.00	0.498	0.00	0.52
MW-18 (2)	7/15/2011	NM	5.22	372.00	NM	0.00	2.08
	4/5/2012	23.64	6.62	192.00	1.844	2.40	0.31
	3/25/2013	19.85	6.44	254.00	2.180	10.90	1.29
	6/6/2013	23.32	6.20	271.00	2.270	0.00	0.80
	9/4/2013	26.11	6.64	48.00	1.950	0.00	0.74
	12/3/2013	24.18	6.55	90.00	2.240	1.20	1.36
	3/26/2014	21.36	6.79	124.00	1.880	0.80	1.36
	9/4/2014	25.62	6.27	221.00	1.910	0.80	0.60
	3/4/2015	22.61	6.68	112.00	1.430	7.90	0.68
MW-19 (2)	4/5/2012	22.95	3.74	379.60	1.216	6.10	0.40
	3/25/2013	18.79	4.00	437.00	1.270	1.10	1.35
	6/6/2013	22.51	3.66	470.00	1.260	0.00	0.59
	9/4/2013	23.26	3.80	384.00	1.380	61.70	0.73
	12/3/2013	23.26	3.79	295.00	1.250	1.20	1.20
	3/25/2014	20.52	4.31	282.00	1.380	95.00	0.85
	9/3/2014	25.69	4.00	313.00	1.320	13.20	0.63
	3/4/2015	21.20	3.95	331.00	1.130	98.10	0.58

Table 6-2: Chronological Groundwater Quality Field Parameters Summary Table

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-20 (2)	7/12/2011	NM	4.49	516.00	NM	4.90	3.01
	4/5/2012	22.32	4.27	327.90	0.305	0.30	5.03
	11/21/2012	22.39	4.10	220.00	0.214	2.34	3.26
	3/27/2013	19.11	4.10	530.00	0.211	4.40	6.82
	6/6/2013	20.87	3.90	458.00	0.255	0.00	5.49
	9/5/2013	24.11	4.09	295.00	0.212	0.00	4.07
	12/4/2013	22.53	4.12	285.00	0.319	0.00	3.54
	3/27/2014	17.58	4.34	308.00	0.253	0.00	6.49
	9/5/2014	23.44	3.84	304.00	0.394	0.00	6.74
	3/5/2015	17.67	3.72	273.00	0.445	0.00	6.53
MW-21 (2)	7/12/2011	NM	3.80	590.00	NM	4.50	3.01
	4/5/2012	21.47	4.64	269.40	0.192	1.70	6.25
	11/21/2012	23.00	3.90	217.00	0.295	0.56	2.73
	3/27/2013	18.39	4.72	511.00	0.181	5.10	6.95
	6/6/2013	20.77	4.99	354.00	0.189	7.30	5.02
	9/3/2013	22.40	5.15	217.00	0.184	43.30	5.15
	12/4/2013	21.89	4.18	301.00	0.303	0.00	3.17
	3/27/2014	21.74	5.17	194.00	0.222	14.10	3.55
	9/5/2014	25.15	3.83	305.00	0.889	0.00	4.24
	3/5/2015	19.01	3.54	282.00	1.110	0.00	4.09
MW-22 (2)	4/5/2012	23.08	3.79	338.90	0.576	7.40	3.61
	11/20/2012	23.40	3.10	218.00	0.444	1.10	2.73
	3/27/2013	21.10	3.60	565.00	0.402	20.30	4.00
	6/6/2013	21.95	3.57	472.00	0.559	0.70	2.48
	9/5/2013	25.52	3.70	307.00	0.588	10.30	1.84
	12/5/2013	24.08	3.86	196.00	0.614	0.00	1.26
	3/27/2014	18.50	3.86	356.00	0.650	9.90	2.99
	9/5/2014	25.73	3.83	337.00	0.697	0.00	2.90
	3/6/2015	18.55	3.58	295.00	0.742	23.30	2.76

Table 6-2: Chronological Groundwater Quality Field Parameters Summary Table

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-23 (2)	7/8/2014	24.94	3.74	358.00	1.310	0.00	1.34
	9/2/2014	26.47	4.67	154.00	1.040	0.00	0.55
	3/5/2015	23.11	4.47	177.00	1.470	0.00	0.93
MW-24 (2)	3/3/2015	20.86	5.72	189.00	0.214	0.00	2.14

Sources: Analytical results for samples collected in April 2012 and earlier are from CH2M Hill 2012, AccuTest 2012

Notes:

Field parameters were recorded by EIC from December 2013 to March 2015, after parameters had stabilized and prior to sample collection.

Parameters were measured with a Horiba U-52 Water Quality Meter with a Flow-Through Cell.

SU = Standard Unit
mV = Millivolts
mS/cm = Microsiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = Milligrams per liter
NL = Well not located
NS = Well not sampled
NM = Field Parameter not measured
DRY = Well was dry and therefore not sampled

Table 6-3: Groundwater Pesticides Data Summary

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		**0.5**		**1.6**		**0.1**		**2.6**				**0.2**								**8.4**						**12**				**8.4**													
Type RRS		**4**		**4**		**4**		**4**				**4**								**4**						**4**				**4**													
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-1	4/15/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.095**		**0.113**		0.051	U	**0.065**		0.051	U	0.051	U	0.051	U	**0.00462**	J	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	7/13/2011	0.051	U	**0.1**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	**0.103**		0.102	U	0.102	U	**0.0092**	J	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00722	U	0.00742	U	0.00722	U	0.01320	U	0.0105	U	0.00856	U	0.00814	U	0.000464	U	0.00835	U	0.01160	U	0.00928	U	0.00856	U	0.01000	U	0.01150	U	0.0108	U	0.00835	U	0.00722	U	0.00835	U	0.00742	U	0.00515	U
	3/25/2014	0.003	U	0.00232	U	0.00131	U	0.00169	U	0.00551	U	0.00323	U	0.00142	U	0.00099	U	0.001500	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.00141	U	0.0762	U
	9/4/2014	**0.0343**	J	**0.231**		0.002	U	**0.0362**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-1A	9/1/2001	0.100	U	0.1	U	0.1	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.092**		**0.158**		0.051	U	**0.063**		0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	7/13/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00711	U	0.00731	U	0.00711	U	0.01300	U	0.0104	U	0.00843	U	0.00802	U	0.000457	U	0.00822	U	0.01150	U	0.00914	U	0.00843	U	0.00985	U	0.01140	U	0.0107	U	0.00822	U	0.00711	U	0.00822	U	0.00731	U	0.00508	U
	3/25/2014	0.003	U	0.00237	U	0.00134	U	0.00173	U	0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.001530	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/4/2014	**0.0234**	J	**0.161**		**0.0046**	J	**0.0213**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	**0.0214**	JF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-2	4/16/2008	0.010	U	**0.0099**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	0.050	U	0.05	U	**0.05**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/3/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/2/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.008	U	0.00711	U	0.00731	U	0.00711	U	0.01300	U	0.0104	U	0.00843	U	0.00802	U	0.000457	U	0.00822	U	0.01150	U	0.00914	U	0.00843	U	0.00985	U	0.01040	U	0.0107	U	0.00822	U	0.00711	U	0.00822	U	0.00731	U	0.00508	U
	3/25/2014	0.003	U	0.00231	U	0.00131	U	0.00168	U	0.00548	U	0.00321	U	0.00142	U	0.00099	U	0.001490	U	0.00595	U	0.00143	U	0.00175	U	0.00269	U	0.00115	U	0.03420	U	0.00176	U	0.00339	U	0.00482	U	0.00324	U	0.00141	U	0.0758	U
	9/3/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/2/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00208	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.02200	U	0.00450	UF	0.423	U
MW-3	3/28/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NS	
	6/3/2013	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	9/5/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.009	U	0.00824	U	0.00847	U	0.00824	U	0.01510	U	0.012	U	0.00976	U	0.00929	U	0.000529	U	0.00953	U	0.01330	U	0.01060	U	0.00976	U	0.01140	U	0.01320	U	0.0124	U	0.00953	U	0.00824	U	0.00953	U	0.00847	U	0.00588	U
	3/25/2014	0.003	U	0.00235	U	0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.001510	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	U
	9/4/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-4U	9/1/2001	0.100	U	0.1	U	**0.1**	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	U
	4/15/2008	0.010	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.52	U
	8/5/2009	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00788	U	0.008	U	0.00778	U	0.01420	U	0.0113	U	0.00922	U	0.00878	U	0.00050	U	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.00800	U	0.00556	U
	3/25/2014	0.003	U	0.00235	U	0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	U
	9/4/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-5A	4/16/2008	**0.120**		**2.4**		**0.63**		**0.04**	J	0.051	U	**0.023**	J	0.051	U	0.051	U	**2.7**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.14**		0.51	U
	8/4/2009	**0.510**	J	**18**		**2.2**		**0.155**	J	1.01	U	1.01	U	1.01	U	1.01	U	1.70	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	1.01	U	**0.340**	J	101	U
	7/15/2011	**0.130**		**1.41**		**0.559**		**0.1**	J	0.104	U	0.104	U	0.104	U	0.104	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	1.04	U	0.208	U	0.104	U	0.104	U	0.208	U	10.4	U
	4/6/2012	**0.430**	J	**15.6**	UBL	**1.6**	UBL	**0.223**	J	1.01	U	**0.217**	J	1.01	U	1.01	U	**5.07**		2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	0.104	U	**0.625**	J	101	U
	11/20/2012	**0.022**	J	**5.1**	*	**0.09**		**0.019**	J	0.0049	U	**0.08**		0.0049	U	0.0049	U	**5.6**	*	0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	**0.19**		0.98	U
	3/26/2013	**0.100**		**2.34**		**0.242**		**0.076**		0.0019	U	0.002	U	0.0007	U	0.002	U	**2.12**		0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	**0.0724**	J	0.215	U
	6/7/2013	**0.154**		**4.2**		**0.348**		**0.113**		0.0019	U	**0.0782**		0.0007	U	0.002	U	**5.41**		0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	**0.122**		0.215	U
	9/5/2013	0.010	U	**0.389**		0.002	U	0.0016	U	0.00290	U	**0.0286**	J	**0.236**		0.00240	U	**2.75**	D	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	**0.0398**	J	0.423	U
	12/5/2013	**0.488**		**10.2**	D	**1.24**		**0.426**		0.01420	U	0.0113	U	0.00922	U	0.00878	U	**5.93**	D	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	**0.872**		0.00556	U
	3/26/2014	**0.239**		0.00232	U	**0.668**		**0.24**		0.00551	U	0.0747	U	0.00142	U	0.00099	U	0.0015	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.244	U	0.0762	U
	9/5/2014	**0.322**		**7.47**	D	**1.01**	D	**0.298**		0.00290	U	**0.0787**		0.00280	U	0.00240	U	**1.99**	D	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	**0.235**		0.423	U
	3/3/2015	**0.062**		**1.63**	DF	**0.255**	F	**0.0545**		0.00290	U	**0.0219**		0.00280	U	0.00240	U	**1.80**		0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	**0.070**	J	0.423	U
MW-5D	7/1/2001	**1.000**		**8.7**		**3.7**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	**0.190**		**12**		**0.86**		**0.081**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.061**		0.051	U
	8/3/2009	**1.180**	J	**23.3**		**4.7**		**0.538**	J	2.02	U	**2.02**	U	2.02	U	2.02	U	**0.284**	J	4.04	U	4.04	U	4.04	U	4.04	U	4.04	U	4.04	U	20.2	U	4.04	U	**2.02**		2.02	U	4.04	U	202	U
	7/15/2011	**0.500**	U	**8.61**		**0.47**	J	**0.538**	J	0.5	U	**0.5**	U	0.5	U	0.5	U	**5.6**		1	U	1	U	1	U	1	U	1	U	1	U	5	U	1	U	0.5	U	0.5	U	1	U	50	U
	4/6/2012	**0.660**		**6**	UBL	**2.1**	UBL	**0.544**		0.51	U	**0.51**	U	0.51	U	0.51	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	5.1	U	5.1	U	**1.02**		51	U
	11/20/2012	**0.720**		**5.2**	*	**2.5**	*	**0.68**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	**0.079**		0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	0.98	U
	3/26/2013	0.002	U	**0.119**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	**0.215**		**2.49**		**0.567**		**0.225**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.12**		0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.597**		**11.3**	D	**2.19**	D	**0.779**		0.01510	U	0.012	U	0.00976	U	0.00929	U	**0.116**		0.00953	U	0.01330	U	0.01060	U	0.00976	U	0.01140	U	0.01320	U	0.0124	U	0.00953	U	0.00824	U	0.00953	U	0.00847	U	0.00588	U
	3/26/2014	0.003	U	0.00232	U	0.00131	U	0.00169	U	0.00551	U	0.00323	U	0.00141	U	0.00099	U	0.002	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.00141	U	0.0762	U
	9/3/2014	**0.352**		**18.2**	D	**1.93**	J	**0.383**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	**0.360**		0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.00285	U	0.00851	U	0.00178	U	0.00218	U	**0.0541**	J	0.419	U
	3/5/2015	**0.145**		**4.47**	DF	**1.77**	J	**0.143**		0.00290	U	0.00260	U	0.00280	U	0.00240	U	**0.080**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	**0.0204**	JF	0.423	U

Table 6-3: Groundwater Pesticides Data Summary

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
Type RRS		4		4		4		4				4								4						4				4													
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-6	9/1/2001	**1.840**		**1.39**		**2.22**		**0.31**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/1/2002	**1.200**		**1**		**3.6**		**0.11**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/14/2008	**1.700**		**1.1**		**3.5**		**0.0079**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	8/4/2009	**2.360**		**1.7**		**6.7**		0.505	U	0.505	U	**0.505**	U	0.505	U	0.505	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	5.05	U	1.01	U	0.505	U	0.505	U	1.01	U	50.5	U
	7/12/2011	**2.500**		**2.5**		**7.9**		0.526	U	0.526	U	**0.526**	U	0.526	U	0.526	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	5.26	U	1.05	U	0.526	U	0.526	U	1.05	U	52.6	U
	4/5/2012	**1.400**		**1.6**		**2.54**	UBL	0.253	U	0.253	U	**0.253**	U	0.253	U	0.253	U	0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	2.53	U	0.505	U	0.253	U	0.253	U	0.505	U	25.3	U
	11/20/2012	**1.400**	*	**1.3**	*	**2.6**	*	**0.013**	J***	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	0.98	U
	3/26/2013	**1.290**		**1.32**		**2.53**		0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**1.230**		**1.36**		**1.69**		0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	**1.510**	D	**1.61**	D	**2.33**	D	**0.0143**	J	**2.22**	D	**0.0106**	J	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**1.680**		**1.67**		**2.71**	DX	**0.035**		0.0142	U	0.0113	U	0.00922	U	0.00878	U	**0.000522**	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	**0.797**		**1.16**		**1.98**		0.00173	U	0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.00153	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/8/2014	**0.907**	D	**1.15**	D	**1.81**	D	0.00158	U	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/4/2015	**0.348**		**0.594**	F	**1.17**	DF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-7	9/1/2001	**20.510**		**3.23**		**1.35**		**2.66**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/1/2002	**4.300**		**1.2**		**1**		**1.3**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/14/2008	**0.580**		**0.4**		**0.021**	J	**0.032**	J	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.52	U
	8/5/2009	**0.137**		**0.564**		0.051	U	**0.129**		0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	**0.00823**	J	0.101	U	5.05	U
	3/27/2013	**0.030**	J	**0.273**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/3/2013	0.002	U	**0.489**		0.0009	U	**0.0524**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	**0.061**		**0.365**		0.002	U	**0.0332**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	**0.023**		**0.31**		**0.0126**	J	**0.0487**		0.01420	U	0.0113	U	0.00922	U	0.00878	U	**0.00184**	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	**0.018**		**0.264**		0.00133	U	**0.034**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	**0.0364**	J	**0.409**		0.00198	U	**0.0660**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/4/2015	0.0101	U	**0.427**	F	**0.0132**	JF	**0.0334**	J	0.00290	U	0.0026	U	0.00280	U	0.00430	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-8	9/2/2001	0.100	U	**0.22**		**0.1**	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	**0.310**		**1.7**		**0.46**		**0.2**		0.05	U	0.05	U	0.05	U	0.05	U	**0.011**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.5	U
	7/14/2011	**0.527**		**2.66**		**1.1**		**0.277**		0.25	U	**0.25**	U	0.25	U	0.25	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.25	U	0.25	U	0.5	U	25	U
	4/5/2012	**0.227**		**1.99**		**0.3**	UBL	**0.124**		0.101	U	0.101	U	0.101	U	0.101	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	1.01	U	0.202	U	1.01	U	1.01	U	0.202	U	10.1	U
	11/20/2012	**0.210**		**2.1**	*	**0.28**		**0.13**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	**0.032**	J	**1.47**		0.0009	U	0.036	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**0.266**		**1.15**		**0.215**		**0.147**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	**0.162**		**1.68**	D	**0.112**		**0.108**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.00961**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.536**		**1.77**		**0.655**		**0.383**		0.01420	U	0.0113	U	0.00922	U	0.00878	U	**0.0101**	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	**0.061**		**0.829**		**0.0899**		**0.0392**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/8/2014	**0.179**		**1.31**	D	**0.272**		**0.145**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	**0.0148**	J	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/5/2015	**0.013**	J	**0.542**	F	**0.0231**	JF	**0.0108**	J	0.00180	U	0.0026	U	0.00280	U	0.00240	U	**0.0071**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-9	9/1/2001	**0.770**		**5.01**		**0.82**		**0.42**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NL	
	3/25/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	6/5/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	9/4/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	12/3/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	3/25/2014	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	9/4/2014	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	3/5/2015	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
MW-10	4/1/2002	**1.900**		**9**		**3.7**		**0.86**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/3/2002	**1.500**	J	**8.8**	J	**1.8**	J	0.7	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	0.5	U	0.5	U	NM		2	U
	4/14/2008	**2.000**		**5.4**		**0.95**		**0.89**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**1.450**		**6.9**		**1.8**		**0.564**		0.505	U	0.505	U	0.505	U	0.505	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	5.05	U	1.01	U	0.505	U	0.505	U	1.01	U	50.5	U
	7/12/2011	**1.200**		**13**		**2.1**		**0.53**		0.521	U	**0.521**	U	0.521	U	0.521	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	5.21	U	1.04	U	0.521	U	0.521	U	1.04	U	52.1	U
	4/5/2012	**1.360**		**9**		**1.2**	UBL	**0.534**		0.51	U	**0.51**	U	0.51	U	0.51	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	5.1	U	5.1	U	1.02	U	51	U
	11/21/2012	**0.710**		**6.8**	*	**0.46**	J*	**0.35**		0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0095	U	0.0095	U	0.0048	U	0.0095	U	0.0095	U	0.0095	U	0.0095	U	0.0095	U	0.0048	U	0.0048	U	0.0095	U	0.95	U
	3/27/2013	**0.899**		**6.76**		**0.683**		**0.38**		0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**0.427**		**5.79**		**0.372**		**0.181**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	**0.650**		**8.6**	D	**0.511**		**0.307**		**0.346**		0.0026	U	0.00280	U	0.00240	U	**0.00961**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	**3.120**		**8.43**	D	**2.71**		**1.45**		0.064	U	0.051	U	0.04150	U	0.03950	U	**0.00725**	J	0.0405	U	0.05650	U	0.04500	U	0.04150	U	0.04850	U	0.05600	U	0.0525	U	0.04050	U	0.03500	U	0.04050	U	0.03600	U	0.025	U
	3/26/2014	**0.315**		0.00235	U	**0.289**		**0.147**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	**0.443**		**7.62**	D	**0.489**		**0.189**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/5/2015	**0.243**		**4.75**	DF	**0.294**	F	**0.111**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-11	4/1/2002	0.100	U	0.1	U	**0.1**	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/16/2008	0.010	U	0.024	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	0.050	U	**0.072**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/6/2012	0.051	U	**0.03**	UBL	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.51	U	0.51	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00714	U	0.00735	U	0.00714	U	0.01310	U	0.0104	U	0.00847	U	0.00806	U	0.000459	U	0.00827	U	0.01150	U	0.00918	U	0.00847	U	0.00990	U	0.01140	U	0.0107	U	0.00827	U	0.00714	U	0.00827	U	0.00735	U	0.0051	U
	3/25/2014	0.003	U	**0.027**		0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.001510	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	0.0101	U	**0.0181**	J	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/2/2015	0.0101	UK	**0.0108**	JKF	0.002	UKF	0.0016	UK	0.00290	UK	0.0026	UK	0.00280	UK	0.00240	UK	0.00430	UK	0.0035	UK	0.00460	UK	0.00450	UK	0.00370	UK	0.00700	UKF	0.00490	UK	0.0288	UK	0.00860	UKF	0.00180	UK	0.00220	UK	0.00450	UK	0.423	UK

Table 6-3: Groundwater Pesticides Data Summary

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		0.5		1.6		0.1		2.6				0.2								8.4						12				8.4															
Type RRS		4		4		4		4				4								4						4				4															
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-12	4/1/2002	**0.390**		**1.3**		0.43		**0.18**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/1/2002	**0.400**		**1.4**		**0.3**		**0.1**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	**0.034**		**0.44**		**0.022**	J	**0.024**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	**0.026**	J	**0.663**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/5/2012	**0.017**	J	**0.750**		**0.027**	J	**0.012**	J	0.052	U	0.052	U	0.052	U	0.052	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.515	U	0.103	U	0.052	U	0.052	U	0.103	U	5.15	U
	11/20/2012	**0.013**	J	**0.710**		**0.01**	J	**0.0094**	J	0.005	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	0.002	U	**0.359**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**0.037**	J	**0.633**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	**0.015**	J	**0.847**		0.002	U	**0.00783**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.077	U	**0.601**		0.075	U	0.0729	U	0.13300	U	0.106	U	0.08650	U	0.08230	U	0.00469	U	0.0844	U	0.11800	U	0.09380	U	0.08650	U	0.10100	U	0.11700	U	0.109	U	0.08440	U	0.07290	U	0.08440	U	0.07500	U	0.0521	U
	3/26/2014	**0.010**		**0.539**		**0.00532**		**0.0138**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/2/2014	**0.0227**	J	**0.660**		**0.0093**	J	**0.0107**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/4/2015	0.0101	U	**0.086**	F	0.002	UF	**0.0033**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-13	4/1/2002	**0.260**		**8**		**0.6**		**0.16**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/1/2002	**0.400**		**11**		**1.4**		**0.5**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/14/2008	**0.059**		**9**		**0.12**		**0.045**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.5	U
	8/4/2009	**0.120**	J	**11**		**0.63**	J	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	1.01000	U	2.02	U	101	U
	3/27/2013	0.002	U	**3.37**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	
	9/5/2013	**0.052**		**6.36**	D	**0.0849**		**0.0307**	J	**0.454**		0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	
	3/26/2014	**0.022**		**4**		**0.032**		**0.0571**		0.0107	U	0.00627	U	0.00276	U	0.00193	U	0.00290	U	0.0116	U	0.00280	U	0.00193	U	0.00579	U	0.00224	U	0.06670	U	0.00343	U	0.00661	U	0.00941	U	0.00633	U	0.00274	U	0.148	U
	9/2/2014	**0.0319**	J	**3.87**	D	**0.0782**		**0.0517**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/5/2015	**0.0206**	J	**3.29**	DF	**0.101**	F	**0.0507**		0.00290	U	0.0026	U	0.00280	U	0.00430	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-14	4/10/2003	**0.200**		**0.1**		**0.1**	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	NM		NM		NM		2.0	U
	4/14/2008	0.010	U	**0.18**		**0.004**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/4/2009	0.051	U	**0.028**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.510	U	0.102	U	0.051	U	0.051	U	0.102	U	5.10	U
	7/12/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.505	U	0.102	U	0.051	U	0.051	U	0.102	U	5.10	U
	4/4/2012	0.051	U	**0.011**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051 U	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	3/26/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	0.076	U	0.0718	U	0.0738	U	0.0718	U	0.13100	U	0.105	U	0.08510	U	0.08100	U	0.00462	U	0.0831	U	0.11600	U	0.09230	U	0.08510	U	0.09950	U	0.11500	U	0.108	U	0.08310	U	0.07180	U	0.08310	U	0.07380	U	0.0513	U
	3/25/2014	0.003	U	**0.243**		0.00134	U	**0.00702**		0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.00153	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/4/2014	0.0101	U	0.311		0.002	U	**0.0025**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/4/2015	0.0101	U	**0.179**	F	**0.0026**	JF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-15	4/10/2003	6.800		**1.1**		**0.7**		**1.3**		0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	NM		NM		NM		2.0	U
	4/16/2008	**0.058**		**0.37**		**0.007**	J	**0.042**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.103**		**0.565**		**0.01**	J	**0.067**		0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	4/5/2012	**0.041**	J	**0.47**		**0.00706**	UBL	0.051	U	**0.066**	J	0.051	U	0.051	U	**0.013**	J	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/25/2013	**0.080**		**0.347**		0.0009	U	**0.0418**	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	DRY
	6/5/2013	DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	
	9/4/2013	**0.057**		**0.221**		0.002	U	**0.0245**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	DRY
	12/3/2013	DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	
	3/26/2014	**0.041**		**0.317**		0.00135	U	**0.0458**		0.00568	U	0.00333	U	0.00147	U	0.00102	U	0.00154	U	0.00616	U	0.00149	U	0.00181	U	0.00307	U	0.00119	U	0.03540	U	0.00182	U	0.00351	U	0.00499	U	0.00336	U	0.00146	U	0.0785	U
	9/5/2014	**0.139**		**0.587**		**0.0174**	J	**0.0865**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/4/2015	**0.0496**	J	**0.262**	F	0.00778	JF	**0.0339**	J	0.00293	U	0.0505	U	0.00283	U	0.00242	U	0.00434	U	0.00354	U	0.00465	U	0.00455	U	0.00374	U	0.00707	UF	0.00495	U	0.0291	U	0.00869	U	0.00182	U	0.00222	U	0.00455	U	0.428	U
MW-16	4/10/2003	11.400		**0.9**		**0.9**		**2.3**		0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	NM		NM		NM		2.0	U
	4/16/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	7/11/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	4/5/2012	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.575	U	0.115	U	0.575	U	0.575	U	0.115	U	5.75	U
	3/27/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	**0.204**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.076	U	0.0722	U	0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/26/2014	0.031	U	0.0235	U	0.0133	U	0.0489	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/3/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0100	U	0.00228	UF	0.00198	UF	0.00158	U	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	UF	0.00257	U	0.0285	U	0.00851	UF	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-17	4/16/2008	0.010	U	**0.25**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/4/2009	**0.017**	J	**0.37**		0.36		**0.011**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.101	U	0.051	U	0.101	U	5.05	U
	7/13/2011	0.051	U	**0.42**		0.051	U	**0.0053**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	4/6/2012	0.051	U	**0.013**	UBL	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.101	U	0.051	U	0.101	U	5.05	U
	11/20/2012	**0.010**	J	**0.37**		**0.032**	J	**0.011**	J	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	0.002	U	**0.3**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	**0.388**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.39**		**0.0162**	J	**0.00748**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	**0.00588**	J	0.00450	U	0.423	U
	12/4/2013	0.077	U	**0.264**		0.0746	U	0.0725	U	0.13300	U	0.106	U	0.08600	U	0.08190	U	0.00466	U	0.0839	U	0.11700	U	0.09330	U	0.08600	U	0.10100	U	0.11600	U	0.109	U	0.08390	U	0.07250	U	0.08390	U	0.07460	U	0.0518	U
	3/27/2014	0.031	U	**0.159**		0.0133	U	0.0171	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/2/2014	0.010	U	**0.218**		**0.0105**	J	**0.00287**	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/3/2015	0.010	U	**0.357**	F	**0.0849**	F	**0.006**	J	0.00290	U	0.0026	U	0.00280	U	0.00430	U	0.00430	U	0.0035	U	0.00446	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U

Table 6-3: Groundwater Pesticides Data Summary

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
Type RRS		4		4		4		4				4								4						4				4													
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-18	8/6/2009	0.051	U	**0.375**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	7/15/2011	0.050	U	**0.23**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.100 U	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/5/2012	0.052	U	**0.4**		0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	**0.025**	J	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.515	U	0.103	U	0.052	U	0.052	U	0.103	U	5.15	U
	3/25/2013	**0.033**	J	**0.882**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	**0.472**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.409**	J	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.00680**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.076	U	**0.463**		0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/26/2014	0.030	U	**0.356**		0.0127	U	0.0164	U	0.05350	U	0.0313	U	0.01380	U	0.00963	U	0.01450	U	0.0581	U	0.01400	U	0.01700	U	0.02890	U	0.01120	U	0.33300	U	0.0171	U	0.03310	U	0.04700	U	0.48100	U	0.01370	U	0.74	U
	9/4/2014	0.010	U	**0.102**		0.00198	U	**0.00327**	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	UX	0.00218	U	0.00446	U	0.419	U
	3/4/2015	0.010	U	**0.111**	F	0.00198	U	0.00158	U	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	UF	0.00485	U	0.0285	U	0.00851	UF	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-19	8/6/2009	**0.009**	J	**0.113**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.012**	J	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	4/5/2012	0.051	U	**0.036**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.08**		0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	3/25/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.076	U	0.0718	U	0.0738	U	0.0718	U	0.13100	U	0.105	U	0.08510	U	0.08100	U	0.00462	U	0.0831	U	0.11600	U	0.09230	U	0.08510	U	0.09950	U	0.11500	U	0.108	U	0.08310	U	0.07180	U	0.08310	U	0.07380	U	0.0513	U
	3/27/2014	0.003	U	**0.074**		0.0013	U	**0.0109**		0.00545	U	0.0032	U	0.00141	U	0.00098	U	0.00148	U	0.00592	U	0.00143	U	0.00174	U	0.00295	U	0.00114	U	0.03400	U	0.00175	U	0.00337	U	0.00480	U	0.00323	U	0.00140	U	0.0754	U
	9/4/2014	0.010	U	**0.0762**		**0.00515**	J	**0.00891**	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	..00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/4/2015	0.010	U	**0.0288**	JF	**0.0175**	JF	0.00784	J	0.00291	U	0.00261	U	0.00281	U	0.00241	U	0.004320	U	0.00352	U	0.00462	U	0.00452	U	0.00372	U	0.00704	UF	0.00492	U	0.0289	U	0.00864	UF	0.00181	U	0.00221	U	0.00452	U	0.425	U
MW-20	8/6/2009	**2.500**	U	**25.7**		**2.5**	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5.00	U	5	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	25	U	5.00	U	2.5	U	2.5	U	5.00	U	250	U
	7/12/2011	**0.460**	J	**16**		**5.9**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	0.051	U	0.051	U	1.02	U	51	U
	4/5/2012	**0.204**	J	**10.4**		**2.4**	UBL	**0.076**	J	0.532	U	0.532	U	0.532	U	0.532	U	1.06	U	1.06	U	1.06	U	1.06	U	1.06	U	**0.103**	J	1.06	U	0.532	U	1.06	U	0.532	U	0.532	U	1.06	U	53.2	U
	11/21/2012	0.005	U	**1.9**	*	0.0048	U	0.0057	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0096	U	0.0096	U	0.0048	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0048	U	0.0048	U	0.0096	U	0.96	U
	3/27/2013	**0.079**		**5.48**		**0.392**		**0.0336**	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	**0.033**	J	**4.15**		**0.158**		0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	0.010	U	**2.21**	D	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.153	U	**27.7**		**0.148**	U	0.144	U	0.26400	U	0.21	U	0.17100	U	0.16300	U	**0.01880**	J	0.167	U	0.23300	U	0.18600	U	0.17100	U	0.20000	U	0.23100	U	0.216	U	0.16700	U	0.14400	U	0.16700	U	0.14800	U	0.103	U
	3/27/2014	0.031	U	**2.64**		**0.0229**		0.0169	U	0.05510	U	0.0323	U	0.01420	U	0.00991	U	0.01500	U	0.0598	U	0.01440	U	0.01750	U	0.02980	U	0.01150	U	0.34300	U	0.0176	U	0.03410	U	0.04840	U	0.03260	U	0.01410	U	0.762	U
	9/3/2014	**0.0803**		**12.4**	D	**0.469**		**0.074**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/5/2015	**0.0106**	J	**4.71**	DF	**0.0521**	F	**0.0171**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-21	8/6/2009	**0.576**		**7.46**		**0.5**	U	**0.35**	J	0.5	U	0.5	U	0.5	U	0.5	U	1.0	U	1	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.00	U	0.5	U	0.5	U	1.00	U	50	U
	7/12/2011	**0.210**	J	**5.8**		**0.42**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	0.051	U	0.051	U	1.02	U	51	U
	4/5/2012	0.115	U	**1.9**		**0.05**	UBL	**0.021**	J	0.115	U	0.115	U	**0.01**	J	0.115	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	1.15	U	0.23	U	0.115	U	0.115	U	0.23	U	11.5	U
	11/21/2012	**0.130**		**6.6**	*	**0.46**	J*	**0.051**		0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0096	U	0.0096	U	0.0048	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0048	U	0.0048	U	0.0096	U	0.96	U
	3/27/2013	0.002	U	**0.44**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	**0.414**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	**0.286**		0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.076	U	**2.53**		0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/27/2014	0.031	U	**0.856**		0.0133	U	0.0171	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/5/2014	**0.359**		**5.52**	D	**0.574**		**0.280**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/5/2015	**0.081**		**3.44**	DF	**0.283**	F	**0.088**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.02090**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-22	4/5/2012	**1.520**	J	**33.2**		**6.4**	UBL	**0.705**	J	2.53	U	2.53	U	2.53	U	2.53	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	25.3	U	5.05	U	5.05	U	2.53	U	5.05	U	253	U
	11/20/2012	**1.300**	*	**24.4**	**	**2.6**	*	**0.54**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	**3.7**	
	3/27/2013	**1.090**		**18.8**		**0.818**		**0.776**		0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	**0.833**		**31.7**		**1.79**		**0.446**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	**1.100**	D	**33.7**	DX	**0.725**		**0.382**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.0521**	J	0.0035	U	**0.0637**	J	0.00450	U	**0.0388**	J	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.999**		**37.4**	X	**1.39**		**0.489**		0.2610	U	0.208	U	0.1690	U	0.1610	U	**0.03040**	J	0.165	U	0.2310	U	0.1840	U	0.1690	U	0.1980	U	0.2290	U	0.2140	U	0.1650	U	0.1430	U	0.1650	U	0.1470	U	0.1020	U
	3/27/2014	**0.284**		**14.3**		**0.212**		**0.166**		0.0535	U	0.0313	U	0.0138	U	0.0096	U	0.01450	U	0.0581	U	0.0140	U	0.0170	U	0.0289	U	0.0112	U	0.3330	U	0.0171	U	0.0331	U	0.0470	U	0.0317	U	0.0137	U	0.7400	
	9/5/2014*[4]	**1.01**	D	**37.098**	D	**22.4**	D	**0.365**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/6/2015	**0.48**		**21.6**	DF	**9.53**	DF	**0.204**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-23	9/5/2014	**0.0227**	J	**5.17**	D	**0.0174**	J	**0.0517**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/5/2015	**0.0189**	J	**4.63**	DF	**0.0316**	JF	**0.0528**		0.00290	U	0.0026	U	0.00290	U	0.00430	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00460	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-24	3/3/2015	0.0101	U	**0.0041**	JF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U

Sources: Analytical results from March 2013 to March 2015 are from samples directly collected by EIC. Historical data prior to March 2013 from CH2MHill 2008, 2009, and 2012 Groundwater Reports and Law Engineering 2001-2003 Compliance Status Reports and Addendums

Notes:

MNA = Monitored Natural Attenuation.
RRS = Risk Reduction Standard.
TOC = Total Organic Carbon.
ug/L = Micrograms per liter.
mg/L = Milligrams per liter.
NA = Not Applicable.
18.8 = Results exceeds RRS.

1.60 = Results above detection limit.
J = Target analyte concentration was positively identified below the quantitation limit and above the detection limit.
U = Analyte was not detected.
UBL = Value not certain because of detection in equipment blank.
D = The sample was diluted due to targets detected over the highest point of the calibration curve
X = A laboratory QC deficiency was observed in quality control review of data
F = Relative percent difference exceeded lab control limits

NL = Well not located
NS = Well not sampled
NM = Contaminant not measured.
DRY = Well was dry and therefore could not be sampled
*= Results from Run #2.
**= Results from Run #3.
***= Primary and confirmation results differ by more than 40%. Lower value reported due to possible correlation.
*[4] = Result for beta-BHC was adjusted based on tubing rinsate sample, see Xenco lab report number 492804

Table 6-4: Historical Groundwater Potentiometric Surface Elevation Table

Well ID # (Well Diameter, in.)	Current TOC Elevation (ft.)	Groundwater Potentiometric Surface Elevation (ft.)														MW Min.*	MW Max.*	MW Range*	MW Avg.*	MW Var.*
		Aug-99	Sep-01	Apr-02	Apr-08	Aug-09	Jul-11	Apr-12	Mar-13	Jun-13	Sep-13	Dec-13	Mar-14	Sep-14	Mar-15					
MW-1 (2)	105.22	NM	NM	NM	79.59	78.22	76.32	77.48	79.63	78.07	79.60	78.00	78.77	77.51	79.11	76.32	79.63	3.31	78.39	1.13
MW-1A (2)	105.33	76.54	77.22	77.38	79.57	78.47	76.33	77.48	79.62	78.06	79.58	77.97	79.88	77.50	79.11	76.33	79.88	3.55	78.19	1.42
MW-2 (2)	98.86	76.48	77.13	77.36	79.45	78.16	78.25	NM	79.54	77.97	79.41	77.89	79.83	77.39	78.98	76.48	79.83	3.35	78.30	1.13
MW-3 (2)	97.12	76.42	77.11	77.39	NL	NL	NL	NL	NL	NL	79.20	77.78	79.69	77.28	78.95	76.42	79.69	3.27	77.98	1.35
MW-4U (2)	103.51	NI	77.12	77.3	79.64	78.36	NM	77.51	79.60	78.16	79.59	77.98	79.81	77.55	78.99	77.12	79.81	2.69	78.47	1.02
MW-5A (2)	96.67	NI	NM	NM	78.96	77.91	76.35	77.32	79.12	77.71	79.07	77.71	79.38	77.24	78.94	76.35	79.38	3.03	78.16	0.98
MW-5D (2)	96.12	NI	77.1	77.36	78.40	77.92	76.37	77.36	79.16	77.77	79.10	77.76	79.36	77.31	78.94	76.37	79.36	2.99	77.99	0.86
MW-6 (2)	102.25	NI	77.17	77.7	79.24	78.70	76.40	77.46	79.53	77.87	79.25	77.81	79.59	77.39	78.96	76.40	79.59	3.19	78.24	1.06
MW-7 (2)	98.10	NI	77.09	77.49	79.74	78.50	DRY	77.56	79.67	78.11	79.75	78.19	80.01	77.58	79.41	77.09	80.01	2.92	78.59	1.13
MW-8 (2)	93.54	NI	76.6	77.4	78.75	77.79	76.34	77.25	78.64	77.52	78.88	77.69	79.20	77.22	78.90	76.34	79.20	2.86	77.86	0.86
MW-9 (2)	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NA	NA	NA	NA	NA
MW-10 (2)	99.83	NI	NI	77.45	79.75	78.52	76.33	77.58	79.72	78.10	79.76	78.12	80.07	77.58	79.08	76.33	80.07	3.74	78.51	1.39
MW-11 (2)	100.87	NI	NI	77.46	79.88	76.67	79.57	77.6	79.83	78.16	79.83	78.1	80.1	77.58	79.50	76.67	80.10	3.43	78.69	1.46
MW-12 (2)	94.06	NI	NI	77.35	78.23	77.39	76.25	76.88	78.39	77.06	78.14	77.36	78.51	76.80	78.66	76.25	78.66	2.41	77.59	0.61
MW-13 (2)	93.55	NI	NI	77.38	78.10	77.13	DRY	DRY	78.53	76.98	77.87	76.98	78.31	76.58	78.47	76.58	78.53	1.95	77.63	0.50
MW-14 (2)	102.11	NI	NI	NI	79.30	78.16	76.36	77.45	78.72	76.72	78.97	77.95	78.59	76.86	79.11	76.36	79.30	2.94	78.02	1.07
MW-15 (2)	98.13	NI	NI	NI	78.88	78.01	DRY	77.40	79.24	78.10	79.18	78.10	79.35	77.37	78.93	77.37	79.35	1.98	78.46	0.57
MW-16 (2)	97.15	NI	NI	NI	79.66	78.50	76.45	77.56	79.73	78.18	79.91	78.12	79.99	77.71	79.22	76.45	79.99	3.54	78.64	1.33
MW-17 (2)	93.65	NI	NI	NI	79.03	77.90	76.24	75.26	79.17	77.58	79.04	77.80	79.30	77.25	79.12	75.26	79.30	4.04	77.97	1.78
MW-18 (2)	95.56	NI	NI	NI	NI	78.15	76.43	77.42	79.39	77.91	79.42	77.92	79.56	77.43	79.02	76.43	79.56	3.13	78.27	1.10
MW-19 (2)	96.60	NI	NI	NI	NI	78.07	76.35	77.35	79.40	77.80	79.47	77.89	79.68	77.39	79.06	76.35	79.68	3.33	78.25	1.23
MW-20 (2)	96.57	NI	NI	NI	NI	78.48	76.38	77.49	79.68	78.08	79.73	78.08	79.93	77.57	79.29	76.38	79.93	3.55	78.47	1.37
MW-21 (2)	97.55	NI	NI	NI	NI	78.41	76.34	77.53	79.71	78.05	79.79	78.08	79.98	77.53	79.36	76.34	79.98	3.64	78.48	1.44
MW-22 (2)	98.88	NI	NI	NI	NI	NI	NM	77.47	79.74	78.10	79.75	78.12	79.96	77.57	79.28	77.47	79.96	2.49	78.75	1.08
MW-23 (2)	93.61	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	77.03	78.73	77.03	78.73	1.70	77.88	1.45
MW-24 (2)	93.07	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	78.72	NA	NA	NA	NA	NA
Event Min.*[2]		76.42	76.60	77.30	78.10	76.67	76.24	75.26	78.39	76.72	77.87	76.98	78.31	76.58	78.47	**Global Min.*[3]**		75.26		
Event Max.*[2]		76.54	77.22	77.70	79.88	78.70	79.57	77.60	79.83	78.18	79.91	78.19	80.10	77.71	79.50	**Global Max.*[3]**		80.10		
Event Range*[2]		0.12	0.62	0.40	1.78	2.03	3.33	2.34	1.44	1.46	2.04	1.21	1.79	1.13	1.03	**Global Range*[3]**		4.84		
Event Avg.*[2]		76.48	77.07	77.42	79.19	78.07	76.65	77.32	79.35	77.82	79.32	77.89	79.52	77.34	79.03	**Global Avg.*[3]**		78.03		
Event Var.*[2]		0.00	0.04	0.01	0.31	0.25	0.78	0.26	0.19	0.17	0.27	0.08	0.28	0.08	0.06	**Global Var.*[3]**		1.12		

Notes:

NI - Not Installed

NL - Not Located

NA - Not Applicable

*** = Event Min, Max, Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for each respective groundwater gauging event.

***[2] = MW Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for each monitoring well throughout all gauging events from March 203 to March 2015 where available.

***[3]= Global Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for all monitoring wells throughout all events from March 2013 to March 2015

Groundwater elevations prior to March 2013 are derived from historical groundwater monitoring reports by previous consultants

Top of casing (TOC) elevations are based on the most recent survey by Donaldson Garrett and Associates in April 2015

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

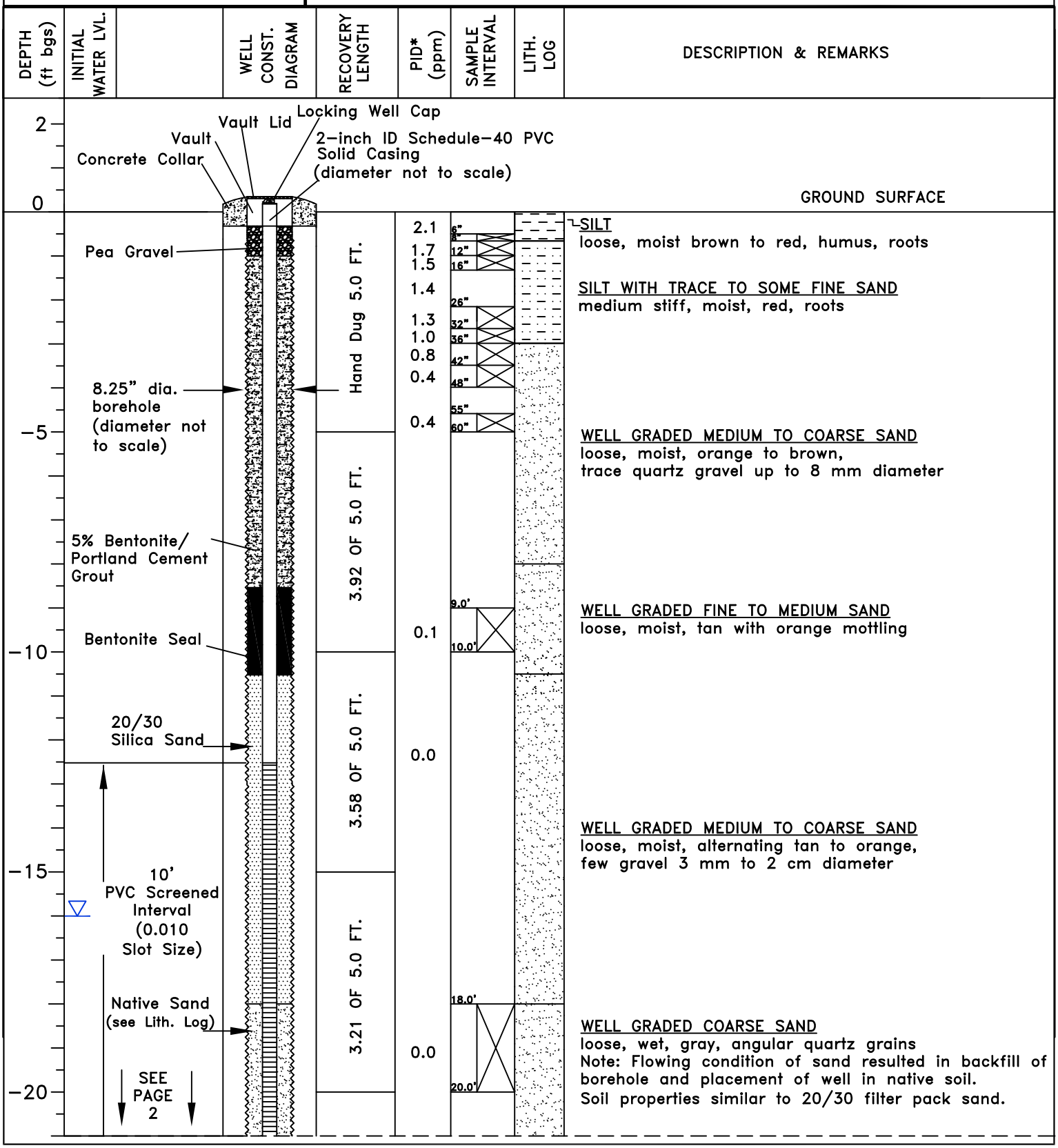
FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

FIGURES

ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA, 30009 USA
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

FIGURE 3-1: MONITORING WELL MW-24

WELL ID MW-24	DRILLING COMPANY EM SERVICES
PROJECT GPA BAINBRIDGE TERMINAL	DATE INSTALLED 12/03/2014
LOCATION BAINBRIDGE GA	SURFACE ELEVATION 92.90 FT. NAVD 88
PROJECT NUMBER 400007-4.2	TOTAL BORING DEPTH 24.00 FT. BGS
GEOLOGIST ALAN SANDERS	TOP OF BEDROCK N/A
DRILL METHOD 6620DT GEOPROBE WITH HOLLOW STEM AUGER	INITIAL WATER LEVEL ~ 16.0 FT. BGS



ENVIRONMENTAL INT'L CORP.
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FIGURE 3-1: MONITORING WELL MW-24

WELL ID MW-24	DRILLING COMPANY EM SERVICES
PROJECT GPA BAINBRIDGE TERMINAL	DATE INSTALLED 12/03/2014
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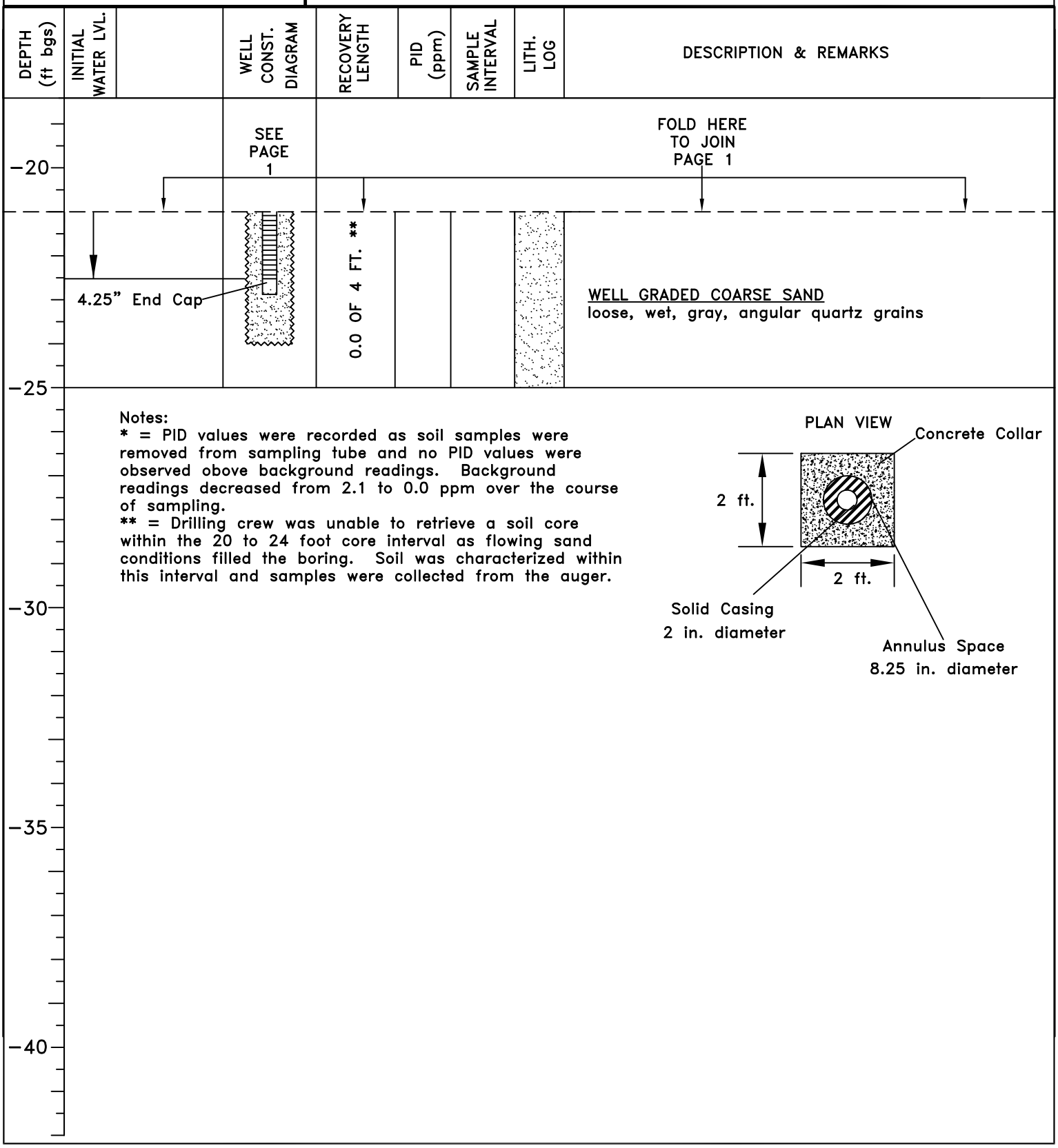


Notes:
* = PID values were recorded as soil samples were removed from sampling tube and no PID values were observed obove background readings. Background readings decreased from 2.1 to 0.0 ppm over the course of sampling.
** = Drilling crew was unable to retrieve a soil core within the 20 to 24 foot core interval as flowing sand conditions filled the boring. Soil was characterized within this interval and samples were collected from the auger.

RSW Island N*

SB-01	0'-0.5'
alpha-BHC	0.0126
beta-BHC	0.0286
delta-BHC	0.00304J
gamma-BHC	0.0023J

WH3 S3	0'-2'	3'-5'
alpha-BHC	**0.478**	< 0.000215
beta-BHC	**0.612**	**0.00759**
delta-BHC	**0.00511**	< 0.000184
gamma-BHC	**0.0152**	< 0.000221

SB-02	0'-0.5'
alpha-BHC	**0.016J**
beta-BHC	**0.13J**
delta-BHC	<0.0186
gamma-BHC	<0.0165

WH3 N3	0'-2'	3'-5'
alpha-BHC	**0.00343**	< 0.000153
beta-BHC	**0.140**	**0.00959**
delta-BHC	**0.00276**	< 0.000131
gamma-BHC	**0.00265**	< 0.000157

WH3 N2	0'-2'	3'-5'
alpha-BHC	< 0.000161	< 0.000154
beta-BHC	**0.00641**	< 0.000201
delta-BHC	< 0.000138	< 0.000132
gamma-BHC	< 0.000166	< 0.000158

WH3 S2	0'-2'	3'-5'
alpha-BHC	< 0.00016	< 0.000151
beta-BHC	**0.0722**	< 0.000197
delta-BHC	< 0.000137	< 0.000129
gamma-BHC	< 0.000164	< 0.000155

WH3 S4	0'-2'	3'-5'
alpha-BHC	**0.00136 J**	< 0.000159
beta-BHC	**0.00626**	**0.00154 J**
delta-BHC	< 0.000138	< 0.000136
gamma-BHC	< 0.000165	< 0.000164

WH3 N4*

NW-SB-12	0'-2'	3'-5'
alpha-BHC	**52.1**	**0.182**
beta-BHC	**8.62J**	**0.114**
delta-BHC	**4.33J**	0.0455
gamma-BHC	**9.43**	**0.0324**

RSW Island S	0'-2'	3'-5'
alpha-BHC	**0.00183 J**	**0.503**
beta-BHC	**0.00757**	**0.186**
delta-BHC	< 0.000138	0.0536
gamma-BHC	< 0.000166	**0.0636**

WH3 E1

NW-SB-11	0'-2'	3'-5'
alpha-BHC	**0.192**	< 0.0112
beta-BHC	**7.19**	< 0.0242
delta-BHC	0.0369J	< 0.0149
gamma-BHC	**0.0967**	< 0.0132

WH3 E1	0'-2'	3'-5'
alpha-BHC	**0.00022IJ**	<0.0000926
beta-BHC	**0.00080IJ**	**0.00025IJ**
delta-BHC	<0.000204	<0.000206
gamma-BHC	<0.0000978	<0.0000987

WH3 N1	0'-2'	3'-5'
alpha-BHC	< 0.000164	< 0.000156
beta-BHC	**0.0477**	< 0.000205
delta-BHC	0.0112	< 0.000134
gamma-BHC	< 0.000169	< 0.000161

WH3 E2

NW-SB-10	0'-2'	3'-5'
alpha-BHC	**1.69**	**0.166J**
beta-BHC	**10.7**	**4.83**
delta-BHC	**1.67**	**0.136J**
gamma-BHC	0.429J	**0.0663J**

WH3 E2	0'-2'	3'-5'
alpha-BHC	**0.00241**	<0.0000942
beta-BHC	**0.0151**	**0.000321J**
delta-BHC	**0.00085IJ**	<0.000209
gamma-BHC	**0.00112J**	<0.000100

WH3 S1	0'-2'	3'-5'
alpha-BHC	**0.0047**	< 0.000155
beta-BHC	0.732	< 0.000203
delta-BHC	**0.00417**	< 0.000133
gamma-BHC	< 0.000168	< 0.000160

NW-SB-01	0'-2'	3'-5'
alpha-BHC	**3.26**	**0.00258J**
beta-BHC	2.72	**0.0696**
delta-BHC	0.0235J	< 0.00336
gamma-BHC	**0.0888**	< 0.00298

W.H.3

NW-SB-09	0'-2'	3'-5'
alpha-BHC	**23.9**	**0.261**
beta-BHC	**4.06J**	**0.348**
delta-BHC	**0.374J**	0.0587
gamma-BHC	0.761J	**0.152**

WH3 E3	0'-2'	3'-5'
alpha-BHC	**0.00288**	<0.0000937
beta-BHC	**0.0199**	<0.000186
delta-BHC	**0.00160J**	<0.000208
gamma-BHC	**0.00211**	<0.0001000

NW-SB-02	0'-2'	3'-5'
alpha-BHC	**0.0143J**	**0.0199J**
beta-BHC	< 0.0058	**0.00907J**
delta-BHC	< 0.00356	**0.00354**
gamma-BHC	< 0.00316	**0.00476J**

MW-14

MW-6

NW-SB-03	0'-2'	3'-5'
alpha-BHC	**16.1**	**0.127**
beta-BHC	**7.54**	**0.0593**
delta-BHC	< 0.183	0.0372
gamma-BHC	**0.533J**	**0.083**

WH3 E4

WH3 E4	0'-2'	3'-5'
alpha-BHC	**0.00134J**	<0.000109
beta-BHC	**0.00852**	**0.000611J**
delta-BHC	**0.000565J**	<0.000243
gamma-BHC	**0.00191J**	<0.000117

NW-SB-04	0'-2'	3'-5'
alpha-BHC	**0.568**	**0.233**
beta-BHC	**0.312**	**0.0269J**
delta-BHC	**0.112**	**0.106**
gamma-BHC	**0.365**	**0.389**

NW-SB-08	0'-2'	3'-5'
alpha-BHC	< 0.0544	**0.0237**
beta-BHC	**5.28**	0.0804
delta-BHC	< 0.0725	< 0.00359
gamma-BHC	< 0.0643	**0.00341J**

NW-SB-07	0'-2'	3'-5'
alpha-BHC	< 0.0106	< 0.0106
beta-BHC	< 0.0229	< 0.023
delta-BHC	< 0.0141	< 0.0141
gamma-BHC	< 0.0125	< 0.0125

NW-SB-06	0'-2'	3'-5'
alpha-BHC	**7.7**	**0.0846**
beta-BHC	**6.24**	**0.017J**
delta-BHC	**0.164J**	< 0.00359
gamma-BHC	1.27	**0.0628**

NW-SB-05	0'-2'	3'-5'
alpha-BHC	**6170**	**0.209**
beta-BHC	**815**	**0.161**
delta-BHC	**74.9**	**0.577**
gamma-BHC	**1430**	0.884

AOC 2

AOC 3

W.H.2

OFFICE

LEGEND:

- GPA PROPERTY LINE
- R.S.W. — ROCK SALT WAREHOUSE
- W.H.3 — WAREHOUSE 3
- AOC–2
- AOC–3
- EIC SOIL BORINGS, JUNE 2013
- PRE–VIRP SOIL BORINGS
- EIC SOIL BORINGS, DECEMBER 2014

NOTE: ALL CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg). VALUES IN BOLD INDICATE RESULTS ABOVE DETECTION LIMITS. ALL DECEMBER 2014 SOIL BORING LOCATIONS HAD SAMPLES TAKEN AT 0–2' and 3–5'.

* = SAMPLES NOT ANALYZED

J = COMPOUND WAS DETECTED, BUT BELOW QUANTIFICATION LIMIT. CONCENTRATION CONSIDERED ESTIMATE.

CONCENTRATION mg/kg

COC	DELINEATION	RRS
α BHC	0.66	0.66
β BHC	0.66	3.1
δ BHC	0.01	0.10
γ BHC	0.66	12

SOURCE:

Basemap modified from aerial photograph provided by Georgia Ports Authority. Property lines provided by Georgia Ports Authority. Pre–VIRP sample locations (approximate) from CH2M Hill report, 2/24/2012. Post–VIRP June 2013 sample locations based on survey by Donaldson Garret & Associates on 6/5/2013. **December 2014 soil sample locations were estimated based on field measurements by EIC.**

N

20 0 20 40 60 80

GRAPHICAL SCALE IN FEET (APPROXIMATE)

FIGURE 4–1: LOCATION OF SOIL BORINGS AND SOIL SAMPLE RESULTS IN AOC–2

DESIGNED BY:	DRAWN BY:	CHECKED BY:
A.S.	W.G.	A.S.
APPROVED BY: R.M.		REVISIONS NO. / DATE

SEAL:

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
Bainbridge, Georgia

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

SCALE:	DATE:	FILE:	SHEET NO.:
SEE BAR SCALE	12/22/14	400007–4.2 – GPA BAINBRIDGE	

Legend

- MONITORING WELL
- STILLING WELL
- MW-18 MONITORING WELL ID
- N.L. NOT LOCATED

SITE FEATURES

- BULKHEAD
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400

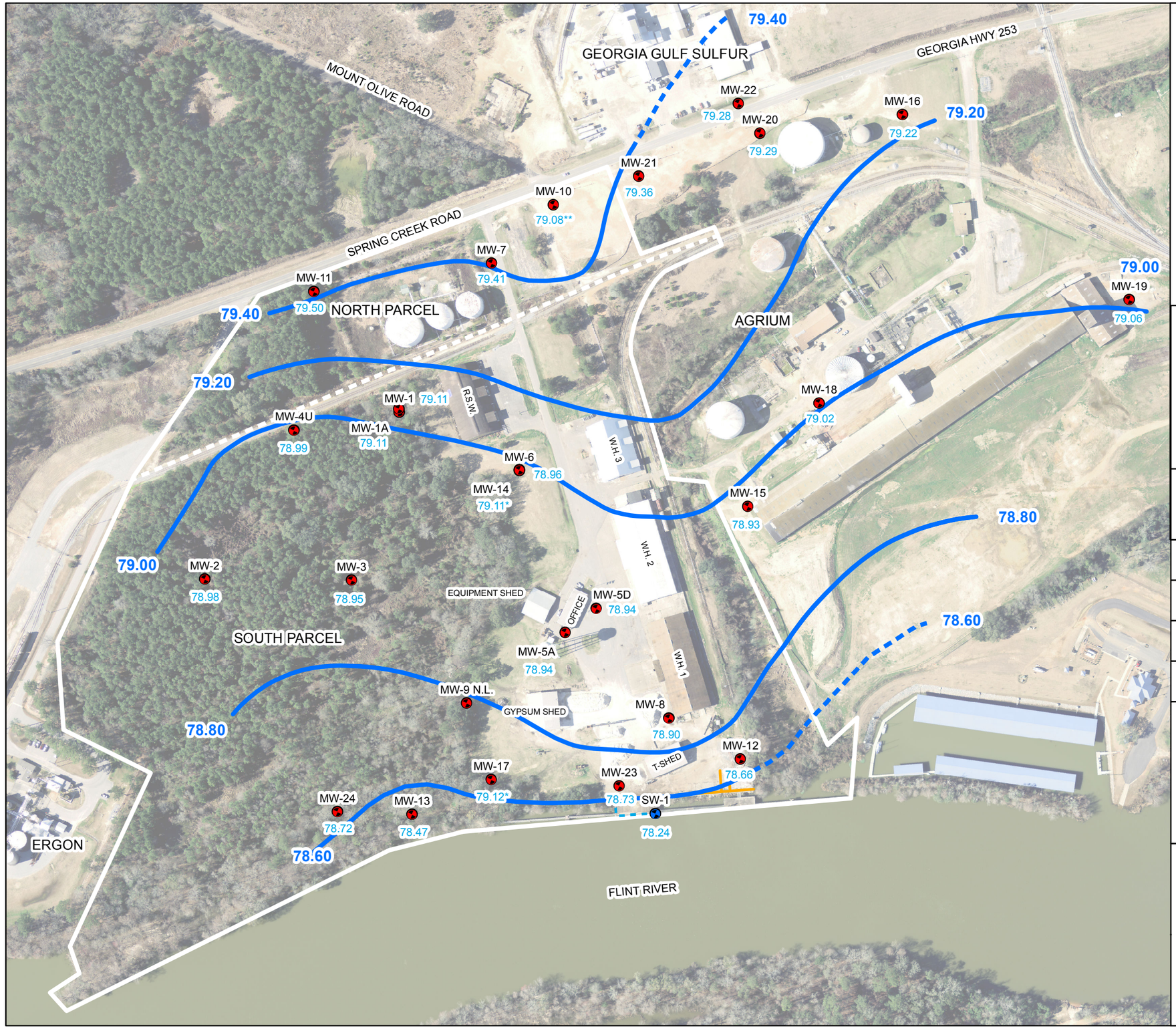
Feet

DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 4/17/2015
DRAWN BY: W.G.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 6-1: SITE MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009



Legend

MONITORING WELL

STILLING WELL

MW-18 MONITORING WELL ID

N.L. NOT LOCATED

SITE FEATURES

BULKHEAD

NORTH AND SOUTH PARCEL DIVISION

BAINBRIDGE PARCEL LINES

PIER

GROUNDWATER CONTOURS

CONTOUR (0.2 FT.)

ESTIMATED CONTOUR

78.40 GROUNDWATER CONTOUR ELEVATION (FT., NAVD 88)

78.94 GROUNDWATER ELEVATION (FT., NAVD 88)

* GROUNDWATER ELEVATION NOT CONSIDERED AS WELL IS SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE

** GROUNDWATER ELEVATION NOT CONSIDERED DUE TO ANOMALY

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400

Feet

DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 4/22/2015
DRAWN BY: W.G.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 6-2: MARCH 2015 GROUNDWATER POTENTIOMETRIC SURFACE MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009

Legend

- MONITORING WELL
- STILLING WELL
- MW-18 — MONITORING WELL ID
- N.L. — NOT LOCATED

SITE FEATURES

- BULKHEAD
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER

ALPHA-BHC CONCENTRATIONS CONTOURS

- DELINIATION CRITERION OF 0.1 µg/L
- RRS TYPE 4 OF 0.5 µg/L

CONCENTRATIONS

- <0.160 — CONCENTRATION IN µg/L
- <0.0101* — CONCENTRATION NOT CONSIDERED IN CONTOURS FOR DEEP WELLS (SCREENED BELOW 50 FT BGS)
- J — CONCENTRATION BELOW QUANTITATION LIMIT AND ABOVE DETECTION LIMIT
- K — SAMPLE ANALYZED 23 HOURS AFTER RECOMMENDED HOLD TIME

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400 Feet

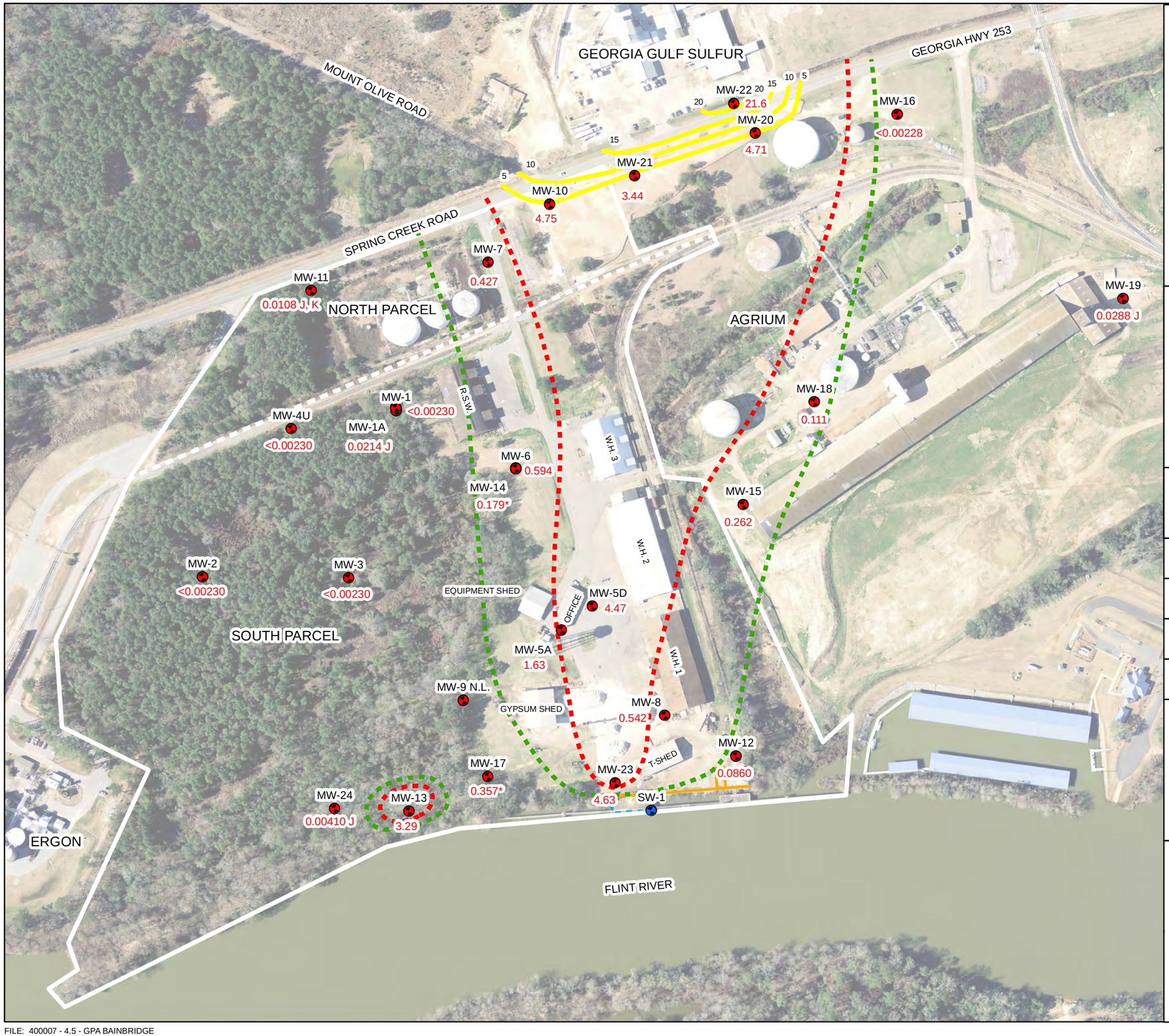
DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 4/16/2015
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 6-3: MARCH 2015 ALPHA-BHC ISOCONCENTRATION MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009

FILE: 400007 - 4.5 - GPA BAINBRIDGE



Legend

- MONITORING WELL
- STILLING WELL
- MW-18 — MONITORING WELL ID
- N.L. — NOT LOCATED

SITE FEATURES

- BULKHEAD
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER

BETA-BHC CONCENTRATIONS

CONTOURS

- DELINIATION CRITERION OF 0.1 µg/L
- RRS TYPE 4 OF 1.6 µg/L
- BETA BHC CONTOURS (5 µg/L INTERVAL)

CONCENTRATIONS

- 0.542 — CONCENTRATION IN µg/L
- 0.179* — CONCENTRATION NOT CONSIDERED IN CONTOURS FOR DEEP WELLS (SCREENED BELOW 50 FT BGS)
- J — CONCENTRATION BELOW QUANTITATION LIMIT AND ABOVE DETECTION LIMIT
- K — SAMPLE ANALYZED 23 HOURS AFTER RECOMMENDED HOLD TIME

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400 Feet

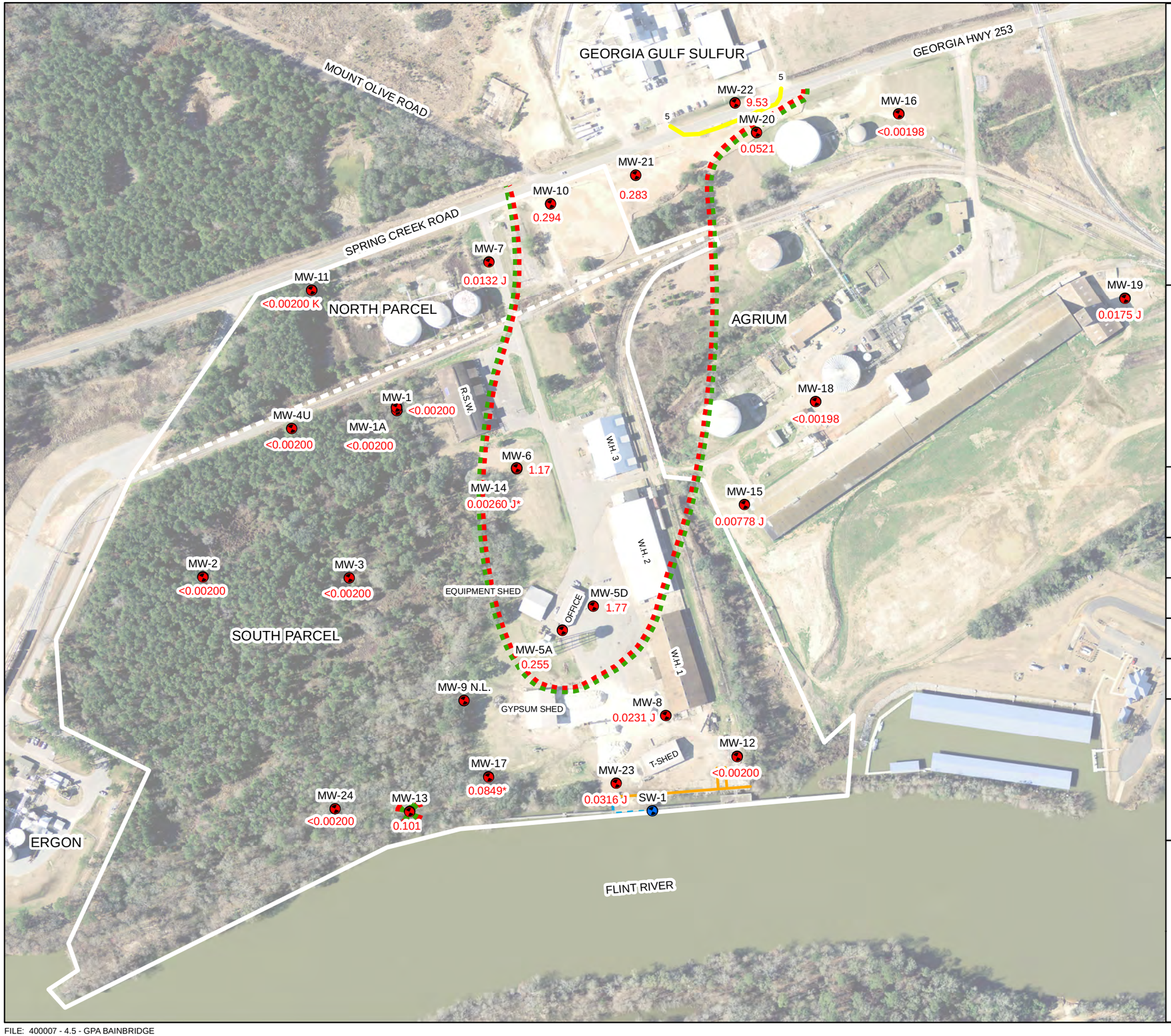
DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 4/16/2015
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 6-4: MARCH 2015 BETA-BHC ISOCONCENTRATION MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009

FILE: 400007 - 4.5 - GPA BAINBRIDGE



Legend

MONITORING WELL

STILLING WELL

MW-18 MONITORING WELL ID

N.L. NOT LOCATED

SITE FEATURES

BULKHEAD

NORTH AND SOUTH PARCEL DIVISION

BAINBRIDGE PARCEL LINES

PIER

DELTA-BHC CONCENTRATIONS

CONTOURS

DELINIATION CRITERION OF 0.1 µg/L

RRS TYPE 4 OF 0.1 µg/L

DELTA BHC CONTOURS (5 µg/L INTERVAL)

CONCENTRATIONS

1.17 CONCENTRATION IN µg/L

0.0849* CONCENTRATION NOT CONSIDERED IN CONTOURS FOR DEEP WELLS (SCREENED BELOW 50 FT BGS)

J CONCENTRATION BELOW QUANTITATION LIMIT AND ABOVE DETECTION LIMIT

K SAMPLE ANALYZED 23 HOURS AFTER RECOMMENDED HOLD TIME

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY. WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400

Feet

DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 4/16/2015
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 6-5: MARCH 2015 DELTA-BHC ISOCONCENTRATION MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

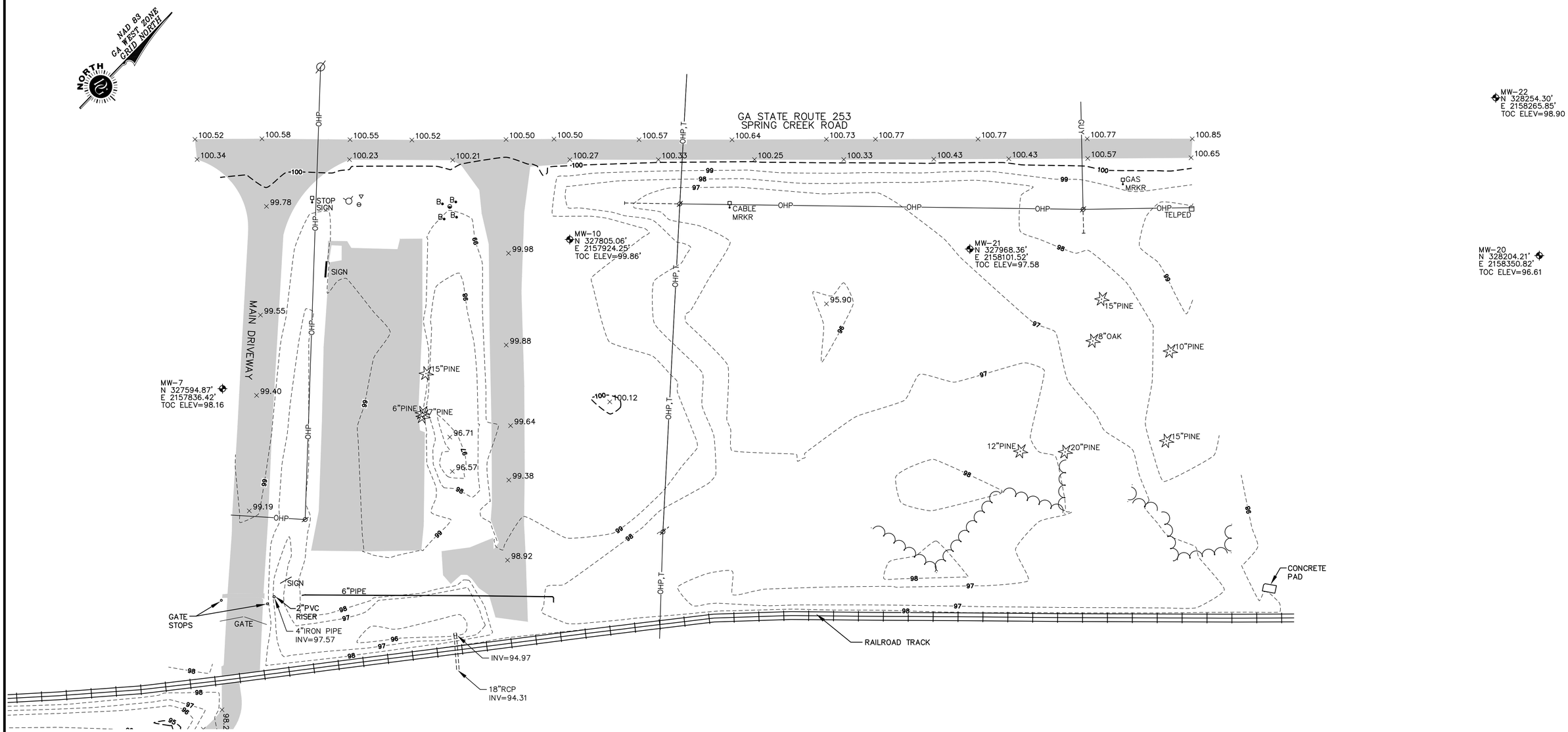
ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009

FILE: 400007 - 4.5 - GPA BAINBRIDGE

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT A1
DECEMBER 2014 SURVEY REPORT



NOTES

1. DONALDSON, GARRETT AND ASSOCIATES, INC. AND THE LAND SURVEYOR WHOSE SEAL IS AFFIXED HEREON DO NOT GUARANTEE THAT ALL EASEMENTS WHICH MAY AFFECT THIS PROPERTY ARE SHOWN.
2. THIS DRAWING HAS BEEN GENERATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED AND ORIGINALLY SIGNED BY A REGISTERED LAND SURVEYOR OF DONALDSON, GARRETT AND ASSOCIATES, INC. AUTHORITY OF O.C.G.A. 43-15-22.
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4. ELEVATIONS SHOWN ARE BASED ON MEAN SEA LEVEL DATUM, NAVD88, AND WERE DERIVED FROM GPS OBSERVATIONS USING A LEICA SYSTEM 1200 GPS RECEIVER.

LEGEND

CONTOUR LINE	100
OVERHEAD POWER LINE	OHP
OVERHEAD TELEPHONE LINE	OHT
TELEPHONE PEDESTAL	TELPED
POWER POLE W/GUY	
MONITORING WELL	MW-10
TOP OF CASING	TOC
BOLLARD	
SIGN	
FIRE HYDRANT	
WATER VALVE	
WATER METER	
GAS VALVE AND METER	
SPOT ELEVATION	98.92
TREE (SIZE AND TYPE NOTED)	
ASPHALT PAVEMENT	
TREE LINE	

30 0 30 60 90

GRAPHIC SCALE IN FEET

GEORGIA REGISTERED No. 3122 LAND SURVEYOR DAVID G. BENNETT

TOPOGRAPHIC SURVEY

FOR

ENVIRONMENTAL INTERNATIONAL CORPORATION

OF

GEORGIA PORT AUTHORITY

BAINBRIDGE TERMINAL

DECATUR COUNTY BAINBRIDGE GEORGIA

10/20/09 – ADDED TOPO AREA	R.L.S. NO. 3122	DSGN: N/A
06/28/13 – ADDED MW'S	DATE: 9/30/09	DRWN: MH
07/11/14 – REVISED MW-10 LOCATION	CHKD: DB	FIELD FILE: B186;B346
01/06/15 – ADDED SB'S TO SHEET 2	SCALE: 1"=30'	DRAWING NO. 2931-09-D
	PROJ. NO.: 2070-001-D1	SHEET 1 OF 2
	FIELD BOOK: EDC	

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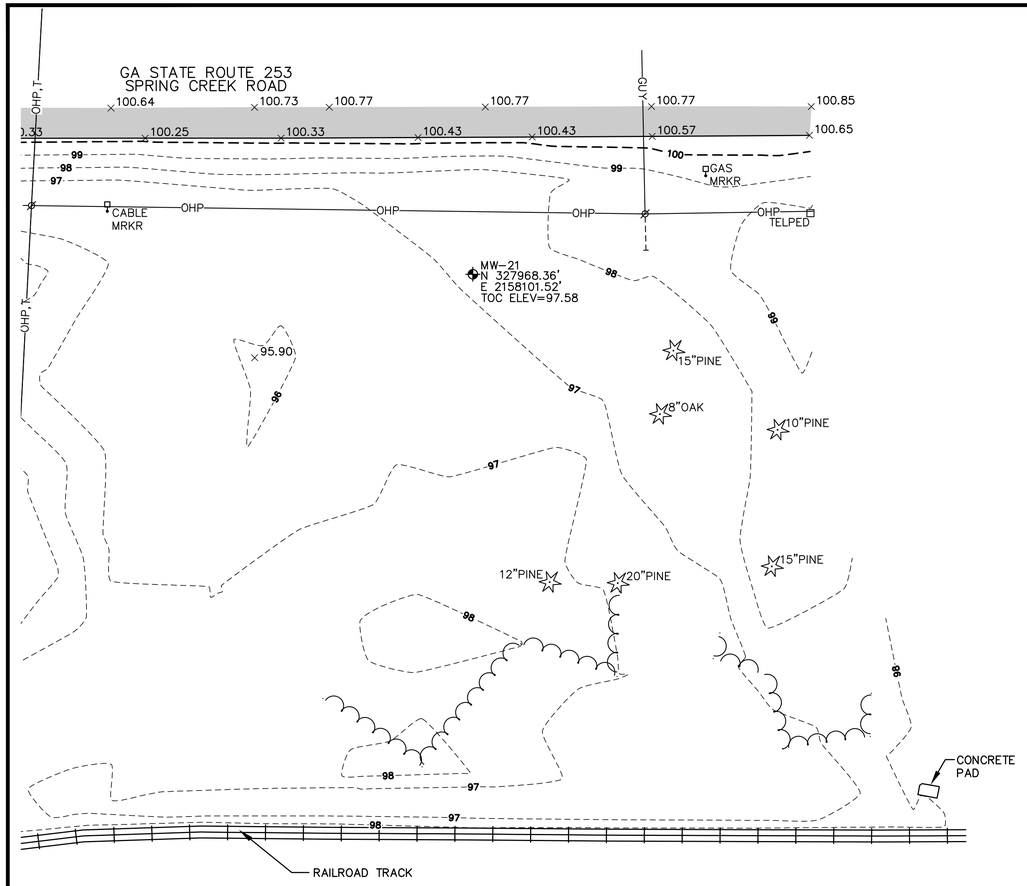
B346.DWG/30 PLOT DATE: 06/17/2013 BY: david



MW-22
N 328254.30'
E 2158265.85'
TOC ELEV=98.90

MW-20
N 328204.21'
E 2158350.82'
TOC ELEV=96.61

MW-16
N 328405.109'
E 2158679.02'
TOC ELEV=97.17

LEGEND

CONTOUR LINE	100
OVERHEAD POWER LINE	OHP
OVERHEAD TELEPHONE LINE	OHT
TELEPHONE PEDESTAL	TELPED
POWER POLE W/GUY	
MONITORING WELL	MW-10
SOIL BORING	WH3 N1
BOLLARD	
SIGN	
FIRE HYDRANT	
WATER VALVE	
WATER METER	
GAS VALVE AND METER	
SPOT ELEVATION	95.90
TREE (SIZE AND TYPE NOTED)	
ASPHALT PAVEMENT	
TREE LINE	

NOTES

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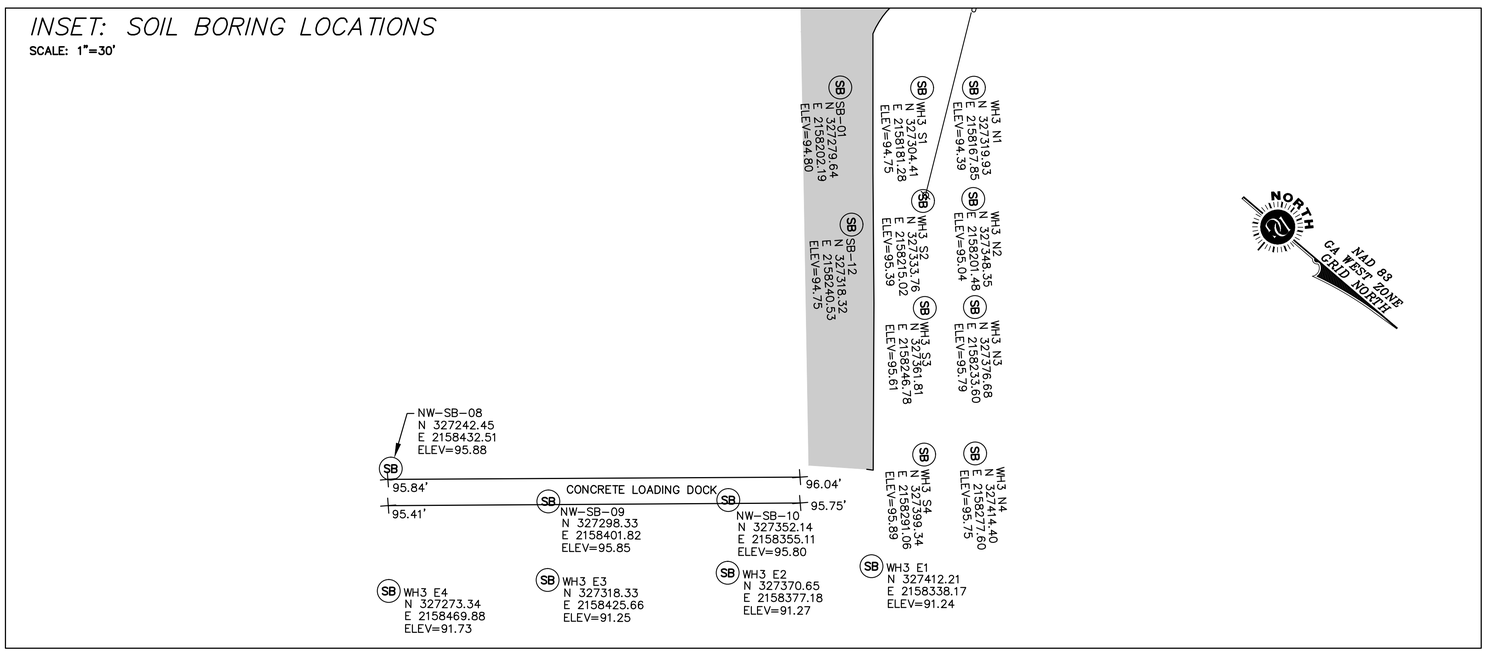
INSET: SOIL BORING LOCATIONS

SCALE: 1"=30'



30 0 30 60 90

GRAPHIC SCALE IN FEET

GEORGIA REGISTERED No. 3122 LAND SURVEYOR DAVID G. BENNETT

TOPOGRAPHIC SURVEY

FOR

ENVIRONMENTAL INTERNATIONAL CORPORATION
OF
GEORGIA PORT AUTHORITY
BAINBRIDGE TERMINAL

DECATUR COUNTY BAINBRIDGE GEORGIA

10/20/09 – ADDED TOPO AREA	R.L.S. NO. 3122	DSGN: N/A
06/28/13 – ADDED MW'S, SB'S AND	DATE: 9/30/09	DRWN: MH
PROPOSED FENCE LOCATION	CHKD: DB	FIELD FILE: B186;B346
01/06/15 – ADDED SB'S	SCALE: 1"=30'	DRAWING NO. 2931-09-D
	PROJ. NO.: 1684-031-D1	SHEET 2 OF 2
	FIELD BOOK: EDC	

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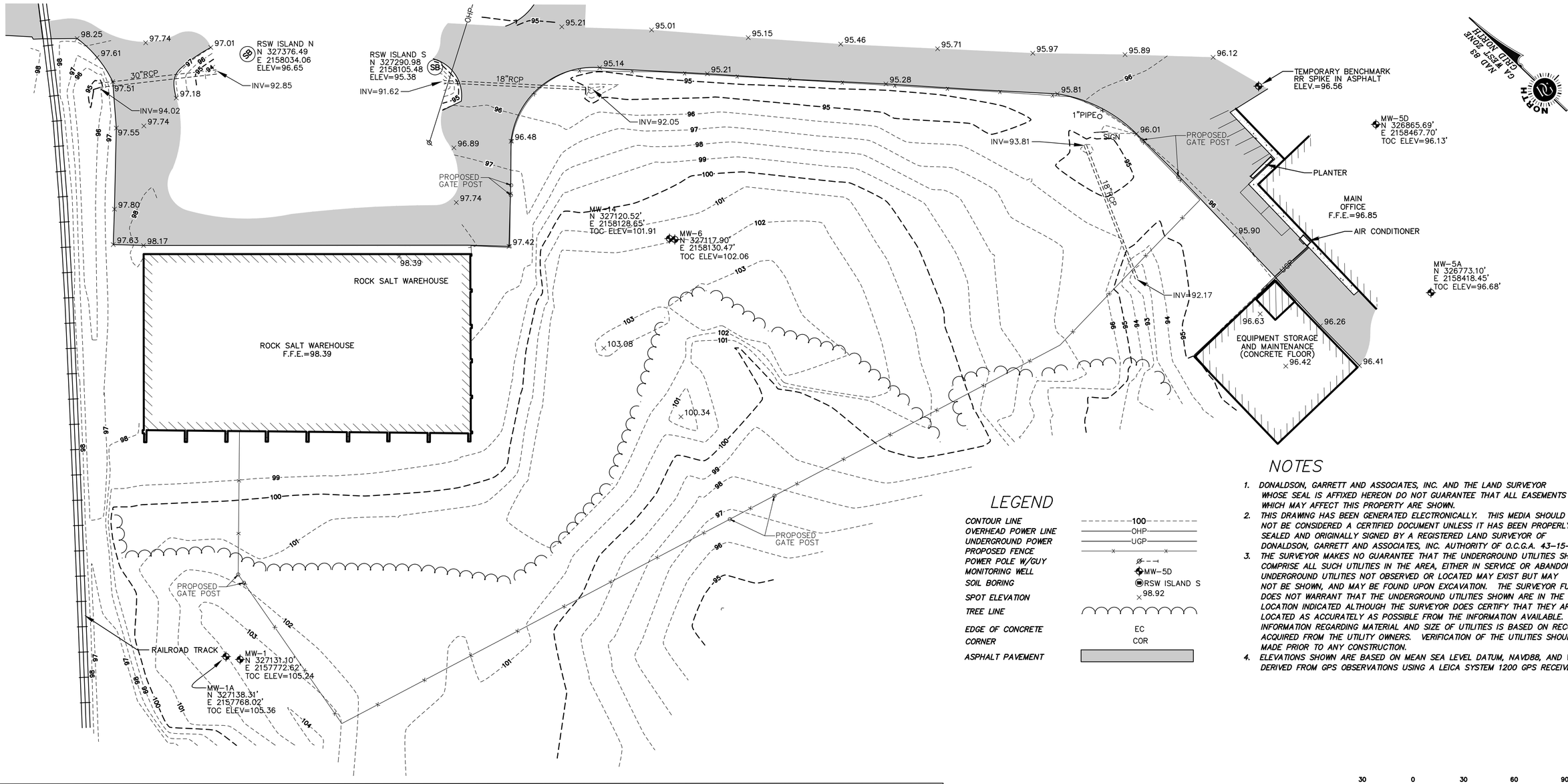
B346.DWG/30 PLOT DATE: 06/17/2013 BY: david



LEGEND

CONTOUR LINE	100
OVERHEAD POWER LINE	OHP
UNDERGROUND POWER	UGP
PROPOSED FENCE	
POWER POLE W/GUY	
MONITORING WELL	MW-5D
SOIL BORING	RSW ISLAND S
SPOT ELEVATION	98.92
TREE LINE	
EDGE OF CONCRETE	EC
CORNER	COR
ASPHALT PAVEMENT	

NOTES

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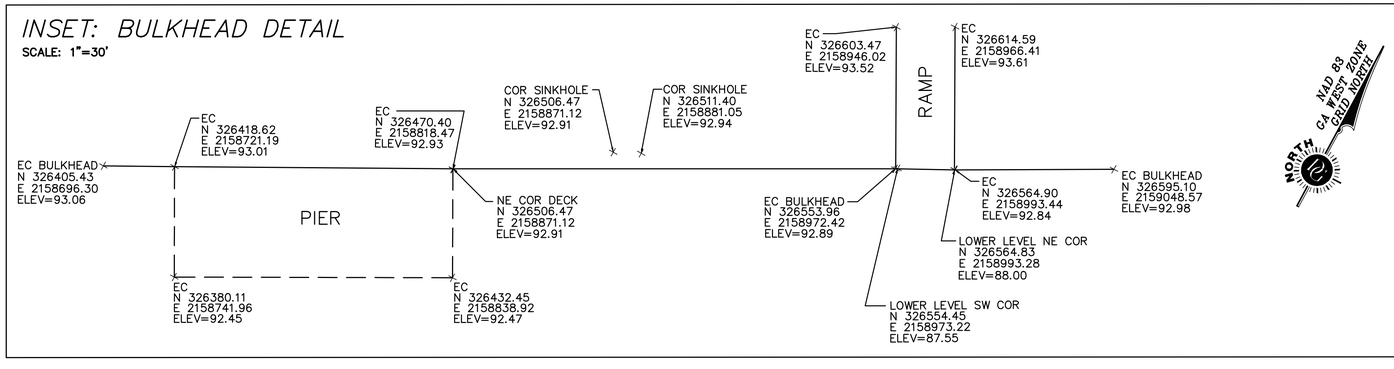
INSET: BULKHEAD DETAIL

SCALE: 1"=30'



30 0 30 60 90

GRAPHIC SCALE IN FEET

GEORGIA REGISTERED No. 3122 LAND SURVEYOR DAVID G. BENNETT

TOPOGRAPHIC SURVEY

FOR

ENVIRONMENTAL INTERNATIONAL CORPORATION

OF

GEORGIA PORT AUTHORITY
BAINBRIDGE TERMINAL

DECATUR COUNTY BAINBRIDGE GEORGIA

6-23-10 ADDED TOPO NW OF ROCK SALT WAREHOUSE	R.L.S. NO. 3122	DSGN: N/A
6-28-13 ADDED SB'S, BULKHEAD DETAIL, AND PROPOSED FENCE LOCATION	DATE: 10/21/09	DRWN: MH;DB
10-14-13 CHANGED LINETYPE ON PIER AND BULKHEAD	CHKD: DB	FIELD FILE: B186;B346
7-11-14 ADDED SHEET 2	SCALE: 1"=30'	DRAWING NO. 2934-09-D
1-6-15 ADDED SHEET 3, MW'S 5A & 5D	PROJ. NO.: 1684-031-D1	SHEET 1 OF 3
	FIELD BOOK: EDC	

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B346.DWG/30 PLOT DATE: 06/17/2013 BY: david

MW-15
N 327281.17'
E 2158725.83'
TOC ELEV=98.13'

LEGEND

CONTOUR LINE	100
OVERHEAD POWER LINE	OHP
UNDERGROUND POWER	UGP
PROPOSED FENCE	
POWER POLE W/GUY	
MONITORING WELL	MW-5D
SOIL BORING	RSW ISLAND S
SPOT ELEVATION	98.92
TREE LINE	
EDGE OF CONCRETE	EC
CORNER	COR
ASPHALT PAVEMENT	

NOTES

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MW-8
N 326675.94'
E 2158764.50'
TOC ELEV=93.54'

MW-17
N 326333.22'
E 2158397.18'
TOC ELEV=93.64'

MW-12
N 326654.23'
E 2158983.46'
TOC ELEV=94.08'

MW-24
N 326087.36'
E 2158056.83'
TOC ELEV=93.08'

MW-13
N 326161.84'
E 2158241.78'
TOC ELEV=93.55'

MW-23
N 326456.46'
E 2158717.38'
TOC ELEV=93.63'

RAMP

PIER

STILLING WELL
N 326428.59'
E 2158835.60'
TOC ELEV=91.68'

50 0 50 100 150
GRAPHIC SCALE IN FEET

GEORGIA REGISTERED No. 3122 LAND SURVEYOR DAVID G. BENNETT

TOPOGRAPHIC SURVEY

FOR

ENVIRONMENTAL INTERNATIONAL CORPORATION
OF
GEORGIA PORT AUTHORITY
BAINBRIDGE TERMINAL

DECATUR COUNTY BAINBRIDGE GEORGIA

7-11-14 REVISED MW-17 & MW-15 LOCATIONS	R.L.S. NO. 3122	DSGN: N/A
& ADDED MW-23 AND STILLING WELL	DATE: 10/21/09	DRWN: MH;DB
1-6-15 ADDED SHEET 3, MW'S 8, 12, 13, & 24	CHKD: DB	FIELD FILE: B186;B346
	SCALE: 1"=30'	DRAWING NO. 2934-09-D
	PROJ. NO.: 1684-031-D1	SHEET 2 OF 3
	FIELD BOOK: EDC	

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MW-4U
N 326972.01'
E 2157534.67'
TOC ELEV=103.54

MW-3
N 326668.71'
E 2157839.22'
TOC ELEV=97.13

MW-2
N 326511.26'
E 2157479.07'
TOC ELEV=98.87'

LEGEND

CONTOUR LINE	---100---
OVERHEAD POWER LINE	---OHP---
UNDERGROUND POWER	---UGP---
PROPOSED FENCE	-x-x-
POWER POLE W/GUY	
MONITORING WELL	MW-5D
SOIL BORING	RSW ISLAND S
SPOT ELEVATION	98.92
TREE LINE	
EDGE OF CONCRETE	EC
CORNER	COR
ASPHALT PAVEMENT	

NOTES

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NORTH
GA WEST ZONE
NAD 83
GRID NORTH

30 0 30 60 90
GRAPHIC SCALE IN FEET

GEORGIA REGISTERED No. 3122 LAND SURVEYOR DAVID G. BENNETT

TOPOGRAPHIC SURVEY

FOR

ENVIRONMENTAL INTERNATIONAL CORPORATION
OF
GEORGIA PORT AUTHORITY
BAINBRIDGE TERMINAL

DECATUR COUNTY BAINBRIDGE GEORGIA

6-23-10 ADDED TOPO NW OF ROCK SALT WAREHOUSE	R.L.S. NO. 3122	DSGN: N/A
6-28-13 ADDED SB'S, BULKHEAD DETAIL, AND	DATE: 10/21/09	DRWN: MH;DB
PROPOSED FENCE LOCATION	CHKD: DB	FIELD FILE: B186;B346
10-14-13 CHANGED LINETYPE ON PIER AND BULKHEAD	SCALE: 1"=30'	DRAWING NO. 2934-09-D
7-11-14 ADDED SHEET 2	PROJ. NO.: 1684-031-D1	SHEET 3 OF 3
1-6-15 ADDED SHEET 3 & MW-2	FIELD BOOK: EDC	

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B346.DWG/30 PLOT DATE: 06/17/2013 BY: david

ENVIRONMENTAL INTERNATIONAL CORP
GA PORT AUTHORITY-BAINBRIDGE TERMINAL
SOIL BORING & MONITORING WELL SURVEY DATA
PREPARED BY DONALDSON, GARRETT, & ASSOC, INC.
January 6, 2015
FIELD WORK PERFORMED: December 30, 2014

ID	NORTHING	EASTING	ELEVATION	
			GROUND	TOC
DOCK	327367.81	2158329.74	96.04	
DOCK	327374.52	2158337.47	95.75	
DOCK	327251.23	2158444.28	95.41	
DOCK	327244.38	2158436.47	95.84	
NW-SB-08	327242.45	2158432.51	95.88	
NW-SB-09	327298.33	2158401.82	95.85	
NW-SB-10	327352.14	2158355.11	95.80	
WH3 E1	327412.21	2158338.17	91.24	
WH3 E2	327370.65	2158377.18	91.27	
WH3 E3	327318.33	2158425.66	91.25	
WH3 E4	327273.34	2158469.88	91.73	
MW-2	326511.26	2157479.07	96.10	98.87
MW-5D	326865.69	2158467.70	96.20	96.13
MW-5A	326773.10	2158418.45	96.90	96.68
MW-8	326675.94	2158764.50	93.80	93.54
MW-12	326654.23	2158983.46	94.20	94.08
MW-13	326161.84	2158241.78	93.70	93.55
MW-24	326087.36	2158056.83	92.90	93.08

NOTE: COORDINATES SHOWN ARE GA STATE PLANE GRID, WEST ZONE, NAD83. ELEVATIONS ARE NAVD 88 DATUM.

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT A2
APRIL 2015 SURVEY REPORT

ENVIRONMENTAL INTERNATIONAL CORP
GA PORT AUTHORITY-BAINBRIDGE TERMINAL
MONITORING WELL TOC ELEVATION REVISIONS
PREPARED BY DONALDSON, GARRETT, & ASSOC, INC.
April 22, 2015

ID	NORTHING	EASTING	TOC ELEVATION
MW-1	327131.10	2157772.62	105.22
MW-1A	327138.31	2157768.02	105.33
MW-2	326511.26	2157479.07	98.86
MW-3	326668.71	2157839.22	97.12
MW-4U	326972.01	2157534.67	103.51
MW-5A	326773.10	2158418.45	96.67
MW-5D	326865.69	2158467.70	96.12
MW-6	327117.90	2158130.47	102.25
MW-7	327594.87	2157836.42	98.10
MW-8	326675.94	2158764.50	93.54
MW-10	327805.10	2157924.22	99.83
MW-11	327332.22	2157432.75	100.87
MW-12	326654.23	2158983.46	94.06
MW-13	326161.84	2158241.78	93.55
MW-14	327120.52	2158128.65	102.11
MW-15	327281.17	2158725.83	98.13
MW-16	328405.11	2158679.02	97.15
MW-17	326333.22	2158397.18	93.65
MW-18	327609.42	2158789.13	95.56
MW-19	328200.29	2159434.47	96.60
MW-20	328204.21	2158350.82	96.57
MW-21	327968.36	2158101.52	97.55
MW-22	328254.30	2158265.85	98.88
MW-23	326456.46	2158717.38	93.61
MW-24	326087.36	2158056.83	93.07
STILLING WELL	326428.590	2158835.60	91.66

NOTES: COORDINATES SHOWN ARE GA STATE PLANE GRID, WEST ZONE, NAD83. ELEVATIONS ARE NAVD 88 DATUM. BOTH WERE COMPUTED FROM STATIC GPS OBSERVATIONS AND NGS OPUS USING GEOID 03.

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT B
AOC-2 SOIL AND DECEMBER 2014 IDW CHARACTERIZATION ANALYTICAL RESULTS

Analytical Report 498334

for

Environmental International Corporation

Project Manager: Alan Sanders

GPA - Bainbridge

400007

23-DEC-14

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-18), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

23-DEC-14

Project Manager: **Alan Sanders**
Environmental International Corporation
161 Kimball Bridge Road, Suite 100
Alpharetta, GA 30009

Reference: XENCO Report No(s): **498334**
GPA - Bainbridge
Project Address: GA

Alan Sanders:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 498334. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 498334 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Eben D. Buchanan, Jr.

Eben Buchanan
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
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Sample Cross Reference 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-24 Liquid IDW	W	12-04-14 08:32		498334-001
MW-24 Soil 1&2 IDW (Lab Composite)	S	12-04-14 08:59		498334-002
MW-24 Soil Rinsate	W	12-04-14 09:43		498334-004
WH3-E1-0'-2'	S	12-04-14 14:24	0 - 2 ft	498334-005
WH3-E1-3'-5'	S	12-04-14 14:51	3 - 5 ft	498334-006
WH3-E2-0'-2'	S	12-04-14 15:20	0 - 2 ft	498334-007
WH3-E2-3'-5'	S	12-04-14 15:52	3 - 5 ft	498334-008
WH3-E3-0'-2'	S	12-04-14 16:31	0 - 2 ft	498334-009
WH3-E3-3'-5'	S	12-04-14 17:00	3 - 5 ft	498334-010
WH3-E4-0'-2'	S	12-04-14 17:57	0 - 2 ft	498334-011
WH3-E4-3'-5'	S	12-04-14 19:30	3 - 5 ft	498334-012
WH3-Auger Rinsate	W	12-04-14 20:07		498334-013
MW-24 Soil 2 IDW	S	12-04-14 09:26		Not Analyzed

Sample receipt non conformances and comments:

Samples 498334-002 MW-24 Soil 1 IDW & 498334-003 MW-24 Soil 2 IDW composited at lab for TCLP Pesticide analysis.
All Samples for Pesticide Analysis subjected to sulphur clean up by SW846 3660B.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-957355 Organochlorine Pesticides by SW-846 8081B
Surrogate Decachlorobiphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 498334-009.

Aldrin RPD was outside laboratory control limits.
Samples affected are: 498334-005, -009, -011, -006, -010, -012, -007, -008

Hits Summary 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id : **MW-24 Liquid IDW** Matrix : Liquid % Moisture :
Lab Sample Id : 498334-001 Date Collected : 12.04.14 08.32
Date Received : 12.05.14 16.45

Analytical Method : Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C
Seq Number 957359 Date Prep: 12.09.14 12.50

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Delta-BHC	319-86-8	0.00246	ug/L	12.10.14 14.31	J	1

Sample Id : **WH3-E1-0'-2'** Matrix : Soil % Moisture : 5.42
Lab Sample Id : 498334-005 Date Collected : 12.04.14 14.24 Basis : Dry Weight
Sample Depth : 0 - 2 ft Date Received : 12.05.14 16.45

Analytical Method : Organochlorine Pesticides by SW-846 8081B Prep Method: SW3545
Seq Number 957355 Date Prep: 12.09.14 14.30

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.000221	mg/kg	12.10.14 17.13	J	1
Beta-BHC	319-85-7	0.000800	mg/kg	12.10.14 17.13	J	1
4,4-DDE	72-55-9	0.000726	mg/kg	12.10.14 17.13	J	1
Endosulfan II	33213-65-9	0.000239	mg/kg	12.10.14 17.13	J	1
Endosulfan Sulfate	1031-07-8	0.000253	mg/kg	12.10.14 17.13	J	1
4,4-DDT	50-29-3	0.00255	mg/kg	12.10.14 17.13	J	1
Endrin Aldehyde	7421-93-4	0.000319	mg/kg	12.10.14 17.13	J	1

Sample Id : **WH3-E1-3'-5'** Matrix : Soil % Moisture : 6.02
Lab Sample Id : 498334-006 Date Collected : 12.04.14 14.51 Basis : Dry Weight
Sample Depth : 3 - 5 ft Date Received : 12.05.14 16.45

Analytical Method : Organochlorine Pesticides by SW-846 8081B Prep Method: SW3545
Seq Number 957355 Date Prep: 12.09.14 14.30

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.000259	mg/kg	12.10.14 18.14	J	1

Hits Summary 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id : **WH3-E2-0'-2'** Matrix : Soil % Moisture : 6.9
Lab Sample Id : 498334-007 Date Collected : 12.04.14 15.20 Basis : Dry Weight
Sample Depth : 0 - 2 ft Date Received : 12.05.14 16.45

Analytical Method : Organochlorine Pesticides by SW-846 8081B Prep Method: SW3545
Seq Number 957355 Date Prep: 12.09.14 14.30

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.00241	mg/kg	12.10.14 19.14		1
Beta-BHC	319-85-7	0.0151	mg/kg	12.10.14 19.14		1
Delta-BHC	319-86-8	0.000851	mg/kg	12.10.14 19.14	J	1
Gamma-BHC (Lindane)	58-89-9	0.00112	mg/kg	12.10.14 19.14	J	1
4,4-DDE	72-55-9	0.00210	mg/kg	12.10.14 19.14	J	1
4,4-DDD	72-54-8	0.000629	mg/kg	12.10.14 19.14	J	1
Endosulfan Sulfate	1031-07-8	0.000472	mg/kg	12.10.14 19.14	J	1
4,4-DDT	50-29-3	0.0120	mg/kg	12.10.14 19.14		1

Sample Id : **WH3-E2-3'-5'** Matrix : Soil % Moisture : 7.58
Lab Sample Id : 498334-008 Date Collected : 12.04.14 15.52 Basis : Dry Weight
Sample Depth : 3 - 5 ft Date Received : 12.05.14 16.45

Analytical Method : Organochlorine Pesticides by SW-846 8081B Prep Method: SW3545
Seq Number 957355 Date Prep: 12.09.14 14.30

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.000321	mg/kg	12.10.14 19.34	J	1

Sample Id : **WH3-E3-0'-2'** Matrix : Soil % Moisture : 10.68
Lab Sample Id : 498334-009 Date Collected : 12.04.14 16.31 Basis : Dry Weight
Sample Depth : 0 - 2 ft Date Received : 12.05.14 16.45

Analytical Method : Organochlorine Pesticides by SW-846 8081B Prep Method: SW3545
Seq Number 957355 Date Prep: 12.09.14 14.30

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.00288	mg/kg	12.10.14 19.55		1
Beta-BHC	319-85-7	0.0199	mg/kg	12.10.14 19.55		1
Delta-BHC	319-86-8	0.00160	mg/kg	12.10.14 19.55	J	1
Gamma-BHC (Lindane)	58-89-9	0.00211	mg/kg	12.10.14 19.55		1
4,4-DDE	72-55-9	0.00488	mg/kg	12.10.14 19.55		1
4,4-DDD	72-54-8	0.00103	mg/kg	12.10.14 19.55	J	1
4,4-DDT	50-29-3	0.0230	mg/kg	12.10.14 19.55		1

Hits Summary 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id : **WH3-E4-0'-2'**
Lab Sample Id : 498334-011
Sample Depth : 0 - 2 ft

Matrix : Soil
Date Collected : 12.04.14 17.57
Date Received : 12.05.14 16.45

% Moisture : 15.2
Basis : Dry Weight

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 957355

Prep Method: SW3545
Date Prep: 12.09.14 14.30

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.00134	mg/kg	12.10.14 20.35	J	1
Beta-BHC	319-85-7	0.00852	mg/kg	12.10.14 20.35		1
Delta-BHC	319-86-8	0.000565	mg/kg	12.10.14 20.35	J	1
Gamma-BHC (Lindane)	58-89-9	0.00191	mg/kg	12.10.14 20.35	J	1
4,4-DDE	72-55-9	0.000898	mg/kg	12.10.14 20.35	J	1
Endosulfan II	33213-65-9	0.000745	mg/kg	12.10.14 20.35	J	1
4,4-DDT	50-29-3	0.00416	mg/kg	12.10.14 20.35		1
Endrin Ketone	53494-70-5	0.00109	mg/kg	12.10.14 20.35	J	1

Sample Id : **WH3-E4-3'-5'**
Lab Sample Id : 498334-012
Sample Depth : 3 - 5 ft

Matrix : Soil
Date Collected : 12.04.14 19.30
Date Received : 12.05.14 16.45

% Moisture : 20.4
Basis : Dry Weight

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 957355

Prep Method: SW3545
Date Prep: 12.09.14 14.30

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.000611	mg/kg	12.10.14 20.55	J	1

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Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id: **MW-24 Liquid IDW** Matrix: Liquid Date Received:12.05.14 16.45

Lab Sample Id: 498334-001 Date Collected: 12.04.14 08.32

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 12.09.14 12.50

Seq Number: 957359

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.103	0.00379	ug/L	12.10.14 14.31	U	1
4,4-DDE	72-55-9	U	0.103	0.00359	ug/L	12.10.14 14.31	U	1
4,4-DDT	50-29-3	U	0.103	0.00503	ug/L	12.10.14 14.31	U	1
Aldrin	309-00-2	U	0.0513	0.00267	ug/L	12.10.14 14.31	U	1
Alpha-BHC	319-84-6	U	0.0513	0.0104	ug/L	12.10.14 14.31	U	1
Alpha-Chlordane	5103-71-9	U	0.0513	0.00226	ug/L	12.10.14 14.31	U	1
Beta-BHC	319-85-7	U	0.0513	0.00236	ug/L	12.10.14 14.31	U	1
Delta-BHC	319-86-8	**0.00246**	0.0513	0.00205	ug/L	12.10.14 14.31	J	1
Dieldrin	60-57-1	U	0.103	0.00441	ug/L	12.10.14 14.31	U	1
Endosulfan I	959-98-8	U	0.0513	0.00246	ug/L	12.10.14 14.31	U	1
Endosulfan II	33213-65-9	U	0.103	0.00462	ug/L	12.10.14 14.31	U	1
Endosulfan Sulfate	1031-07-8	U	0.103	0.00718	ug/L	12.10.14 14.31	U	1
Endrin	72-20-8	U	0.103	0.00472	ug/L	12.10.14 14.31	U	1
Endrin Aldehyde	7421-93-4	U	0.103	0.00882	ug/L	12.10.14 14.31	U	1
Endrin Ketone	53494-70-5	U	0.103	0.00462	ug/L	12.10.14 14.31	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0513	0.00164	ug/L	12.10.14 14.31	U	1
Gamma-Chlordane	5103-74-2	U	0.0513	0.00185	ug/L	12.10.14 14.31	U	1
Heptachlor	76-44-8	U	0.0513	0.00297	ug/L	12.10.14 14.31	U	1
Heptachlor Epoxide	1024-57-3	U	0.0513	0.00287	ug/L	12.10.14 14.31	U	1
Methoxychlor	72-43-5	U	0.513	0.0295	ug/L	12.10.14 14.31	U	1
Chlordane	12789-03-6	U	0.513	0.0988	ug/L	12.10.14 14.31	U	1
Toxaphene	8001-35-2	U	2.56	0.434	ug/L	12.10.14 14.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	83	%	27-135	12.10.14 14.31	
Decachlorobiphenyl	2051-24-3	97	%	26-154	12.10.14 14.31	

Certificate of Analytical Results 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id: **MW-24 Soil 1&2 IDW (Lab Composite)** Matrix: Solid Date Received:12.05.14 16.45

Lab Sample Id: 498334-002 Date Collected: 12.04.14 08.59

Analytical Method: TCLP Pesticides by SW-846 1311/8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 12.09.14 12.50

Seq Number: 957359

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gamma-BHC (Lindane)	58-89-9	U	0.500	0.0160	ug/L	12.10.14 14.52	U	1
Heptachlor	76-44-8	U	0.500	0.0290	ug/L	12.10.14 14.52	U	1
Heptachlor Epoxide	1024-57-3	U	0.500	0.0280	ug/L	12.10.14 14.52	U	1
Endrin	72-20-8	U	1.00	0.0460	ug/L	12.10.14 14.52	U	1
Methoxychlor	72-43-5	U	5.00	0.288	ug/L	12.10.14 14.52	U	1
Chlordane	12789-03-6	U	5.00	0.963	ug/L	12.10.14 14.52	U	1
Toxaphene	8001-35-2	U	20.0	4.23	ug/L	12.10.14 14.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	84	%	27-135	12.10.14 14.52	
Decachlorobiphenyl	2051-24-3	97	%	26-154	12.10.14 14.52	

Certificate of Analytical Results 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id: **MW-24 Soil Rinsate** Matrix: Water Date Received:12.05.14 16.45

Lab Sample Id: 498334-004 Date Collected: 12.04.14 09.43

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 12.09.14 12.50

Seq Number: 957359

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8		U	0.0980	0.00363	ug/L	12.10.14 15.12	U	1
4,4-DDE	72-55-9		U	0.0980	0.00343	ug/L	12.10.14 15.12	U	1
4,4-DDT	50-29-3		U	0.0980	0.00480	ug/L	12.10.14 15.12	U	1
Aldrin	309-00-2		U	0.0490	0.00255	ug/L	12.10.14 15.12	U	1
Alpha-BHC	319-84-6		U	0.0490	0.00990	ug/L	12.10.14 15.12	U	1
Alpha-Chlordane	5103-71-9		U	0.0490	0.00216	ug/L	12.10.14 15.12	U	1
Beta-BHC	319-85-7		U	0.0490	0.00225	ug/L	12.10.14 15.12	U	1
Delta-BHC	319-86-8		U	0.0490	0.00196	ug/L	12.10.14 15.12	U	1
Dieldrin	60-57-1		U	0.0980	0.00422	ug/L	12.10.14 15.12	U	1
Endosulfan I	959-98-8		U	0.0490	0.00235	ug/L	12.10.14 15.12	U	1
Endosulfan II	33213-65-9		U	0.0980	0.00441	ug/L	12.10.14 15.12	U	1
Endosulfan Sulfate	1031-07-8		U	0.0980	0.00686	ug/L	12.10.14 15.12	U	1
Endrin	72-20-8		U	0.0980	0.00451	ug/L	12.10.14 15.12	U	1
Endrin Aldehyde	7421-93-4		U	0.0980	0.00843	ug/L	12.10.14 15.12	U	1
Endrin Ketone	53494-70-5		U	0.0980	0.00441	ug/L	12.10.14 15.12	U	1
Gamma-BHC (Lindane)	58-89-9		U	0.0490	0.00157	ug/L	12.10.14 15.12	U	1
Gamma-Chlordane	5103-74-2		U	0.0490	0.00176	ug/L	12.10.14 15.12	U	1
Heptachlor	76-44-8		U	0.0490	0.00284	ug/L	12.10.14 15.12	U	1
Heptachlor Epoxide	1024-57-3		U	0.0490	0.00275	ug/L	12.10.14 15.12	U	1
Methoxychlor	72-43-5		U	0.490	0.0282	ug/L	12.10.14 15.12	U	1
Chlordane	12789-03-6		U	0.490	0.0944	ug/L	12.10.14 15.12	U	1
Toxaphene	8001-35-2		U	2.45	0.415	ug/L	12.10.14 15.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	86	%	27-135	12.10.14 15.12	
Decachlorobiphenyl	2051-24-3	102	%	26-154	12.10.14 15.12	

Certificate of Analytical Results 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id:	**WH3-E1-0'-2'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-005	Date Collected:	12.04.14 14.24	Sample Depth:	0 - 2 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	5.42
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	**0.000221**	0.00175	0.0000917	mg/kg	12.10.14 17.13	J	1
Beta-BHC	319-85-7	**0.000800**	0.00175	0.000182	mg/kg	12.10.14 17.13	J	1
Delta-BHC	319-86-8	U	0.00175	0.000204	mg/kg	12.10.14 17.13	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.00175	0.0000978	mg/kg	12.10.14 17.13	U	1
Heptachlor	76-44-8	U	0.00175	0.000202	mg/kg	12.10.14 17.13	U	1
Aldrin	309-00-2	U	0.00175	0.000110	mg/kg	12.10.14 17.13	UF	1
Heptachlor Epoxide	1024-57-3	U	0.00175	0.0000976	mg/kg	12.10.14 17.13	U	1
Endosulfan I	959-98-8	U	0.00175	0.000143	mg/kg	12.10.14 17.13	U	1
Dieldrin	60-57-1	U	0.00351	0.000176	mg/kg	12.10.14 17.13	U	1
4,4-DDE	72-55-9	**0.000726**	0.00351	0.000191	mg/kg	12.10.14 17.13	J	1
Endrin	72-20-8	U	0.00351	0.000177	mg/kg	12.10.14 17.13	U	1
Endosulfan II	33213-65-9	**0.000239**	0.00351	0.000179	mg/kg	12.10.14 17.13	J	1
4,4-DDD	72-54-8	U	0.00351	0.000193	mg/kg	12.10.14 17.13	U	1
Endosulfan Sulfate	1031-07-8	**0.000253**	0.00351	0.000233	mg/kg	12.10.14 17.13	J	1
4,4-DDT	50-29-3	**0.00255**	0.00351	0.000312	mg/kg	12.10.14 17.13	J	1
Methoxychlor	72-43-5	U	0.0175	0.00119	mg/kg	12.10.14 17.13	U	1
Endrin Ketone	53494-70-5	U	0.00351	0.000198	mg/kg	12.10.14 17.13	U	1
Endrin Aldehyde	7421-93-4	**0.000319**	0.00351	0.000244	mg/kg	12.10.14 17.13	J	1
Alpha-Chlordane	5103-71-9	U	0.00175	0.000151	mg/kg	12.10.14 17.13	U	1
Gamma-Chlordane	5103-74-2	U	0.00175	0.000296	mg/kg	12.10.14 17.13	U	1
Chlordane	12789-03-6	U	0.0175	0.00489	mg/kg	12.10.14 17.13	U	1
Toxaphene	8001-35-2	U	0.0702	0.0149	mg/kg	12.10.14 17.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	73	%	27-130	12.10.14 17.13	
Decachlorobiphenyl	2051-24-3	102	%	65-149	12.10.14 17.13	

Certificate of Analytical Results 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id:	**WH3-E1-3'-5'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-006	Date Collected:	12.04.14 14.51	Sample Depth:	3 - 5 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	6.02
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	U	0.00177	0.0000926	mg/kg	12.10.14 18.14	U	1
Beta-BHC	319-85-7	**0.000259**	0.00177	0.000184	mg/kg	12.10.14 18.14	J	1
Delta-BHC	319-86-8	U	0.00177	0.000206	mg/kg	12.10.14 18.14	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.00177	0.0000987	mg/kg	12.10.14 18.14	U	1
Heptachlor	76-44-8	U	0.00177	0.000204	mg/kg	12.10.14 18.14	U	1
Aldrin	309-00-2	U	0.00177	0.000111	mg/kg	12.10.14 18.14	UF	1
Heptachlor Epoxide	1024-57-3	U	0.00177	0.0000985	mg/kg	12.10.14 18.14	U	1
Endosulfan I	959-98-8	U	0.00177	0.000144	mg/kg	12.10.14 18.14	U	1
Dieldrin	60-57-1	U	0.00354	0.000178	mg/kg	12.10.14 18.14	U	1
4,4-DDE	72-55-9	U	0.00354	0.000193	mg/kg	12.10.14 18.14	U	1
Endrin	72-20-8	U	0.00354	0.000179	mg/kg	12.10.14 18.14	U	1
Endosulfan II	33213-65-9	U	0.00354	0.000180	mg/kg	12.10.14 18.14	U	1
4,4-DDD	72-54-8	U	0.00354	0.000195	mg/kg	12.10.14 18.14	U	1
Endosulfan Sulfate	1031-07-8	U	0.00354	0.000235	mg/kg	12.10.14 18.14	U	1
4,4-DDT	50-29-3	U	0.00354	0.000315	mg/kg	12.10.14 18.14	U	1
Methoxychlor	72-43-5	U	0.0177	0.00120	mg/kg	12.10.14 18.14	U	1
Endrin Ketone	53494-70-5	U	0.00354	0.000200	mg/kg	12.10.14 18.14	U	1
Endrin Aldehyde	7421-93-4	U	0.00354	0.000247	mg/kg	12.10.14 18.14	U	1
Alpha-Chlordane	5103-71-9	U	0.00177	0.000152	mg/kg	12.10.14 18.14	U	1
Gamma-Chlordane	5103-74-2	U	0.00177	0.000299	mg/kg	12.10.14 18.14	U	1
Chlordane	12789-03-6	U	0.0177	0.00494	mg/kg	12.10.14 18.14	U	1
Toxaphene	8001-35-2	U	0.0708	0.0150	mg/kg	12.10.14 18.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	53	%	27-130	12.10.14 18.14	
Decachlorobiphenyl	2051-24-3	94	%	65-149	12.10.14 18.14	

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GPA - Bainbridge

Sample Id:	**WH3-E2-0'-2'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-007	Date Collected:	12.04.14 15.20	Sample Depth:	0 - 2 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	6.9
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	**0.00241**	0.00179	0.0000934	mg/kg	12.10.14 19.14		1
Beta-BHC	319-85-7	**0.0151**	0.00179	0.000186	mg/kg	12.10.14 19.14		1
Delta-BHC	319-86-8	**0.000851**	0.00179	0.000207	mg/kg	12.10.14 19.14	J	1
Gamma-BHC (Lindane)	58-89-9	**0.00112**	0.00179	0.0000996	mg/kg	12.10.14 19.14	J	1
Heptachlor	76-44-8	U	0.00179	0.000206	mg/kg	12.10.14 19.14	U	1
Aldrin	309-00-2	U	0.00179	0.000112	mg/kg	12.10.14 19.14	UF	1
Heptachlor Epoxide	1024-57-3	U	0.00179	0.0000994	mg/kg	12.10.14 19.14	U	1
Endosulfan I	959-98-8	U	0.00179	0.000146	mg/kg	12.10.14 19.14	U	1
Dieldrin	60-57-1	U	0.00357	0.000180	mg/kg	12.10.14 19.14	U	1
4,4-DDE	72-55-9	**0.00210**	0.00357	0.000195	mg/kg	12.10.14 19.14	J	1
Endrin	72-20-8	U	0.00357	0.000180	mg/kg	12.10.14 19.14	U	1
Endosulfan II	33213-65-9	U	0.00357	0.000182	mg/kg	12.10.14 19.14	U	1
4,4-DDD	72-54-8	**0.000629**	0.00357	0.000197	mg/kg	12.10.14 19.14	J	1
Endosulfan Sulfate	1031-07-8	**0.000472**	0.00357	0.000238	mg/kg	12.10.14 19.14	J	1
4,4-DDT	50-29-3	**0.0120**	0.00357	0.000318	mg/kg	12.10.14 19.14		1
Methoxychlor	72-43-5	U	0.0179	0.00121	mg/kg	12.10.14 19.14	U	1
Endrin Ketone	53494-70-5	U	0.00357	0.000202	mg/kg	12.10.14 19.14	U	1
Endrin Aldehyde	7421-93-4	U	0.00357	0.000249	mg/kg	12.10.14 19.14	U	1
Alpha-Chlordane	5103-71-9	U	0.00179	0.000154	mg/kg	12.10.14 19.14	U	1
Gamma-Chlordane	5103-74-2	U	0.00179	0.000302	mg/kg	12.10.14 19.14	U	1
Chlordane	12789-03-6	U	0.0179	0.00498	mg/kg	12.10.14 19.14	U	1
Toxaphene	8001-35-2	U	0.0715	0.0151	mg/kg	12.10.14 19.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	66	%	27-130	12.10.14 19.14	
Decachlorobiphenyl	2051-24-3	104	%	65-149	12.10.14 19.14	

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GPA - Bainbridge

Sample Id:	**WH3-E2-3'-5'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-008	Date Collected:	12.04.14 15.52	Sample Depth:	3 - 5 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	7.58
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	U	0.00180	0.0000942	mg/kg	12.10.14 19.34	U	1
Beta-BHC	319-85-7	**0.000321**	0.00180	0.000187	mg/kg	12.10.14 19.34	J	1
Delta-BHC	319-86-8	U	0.00180	0.000209	mg/kg	12.10.14 19.34	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.00180	0.000100	mg/kg	12.10.14 19.34	U	1
Heptachlor	76-44-8	U	0.00180	0.000207	mg/kg	12.10.14 19.34	U	1
Aldrin	309-00-2	U	0.00180	0.000113	mg/kg	12.10.14 19.34	UF	1
Heptachlor Epoxide	1024-57-3	U	0.00180	0.000100	mg/kg	12.10.14 19.34	U	1
Endosulfan I	959-98-8	U	0.00180	0.000147	mg/kg	12.10.14 19.34	U	1
Dieldrin	60-57-1	U	0.00361	0.000181	mg/kg	12.10.14 19.34	U	1
4,4-DDE	72-55-9	U	0.00361	0.000196	mg/kg	12.10.14 19.34	U	1
Endrin	72-20-8	U	0.00361	0.000182	mg/kg	12.10.14 19.34	U	1
Endosulfan II	33213-65-9	U	0.00361	0.000183	mg/kg	12.10.14 19.34	U	1
4,4-DDD	72-54-8	U	0.00361	0.000198	mg/kg	12.10.14 19.34	U	1
Endosulfan Sulfate	1031-07-8	U	0.00361	0.000240	mg/kg	12.10.14 19.34	U	1
4,4-DDT	50-29-3	U	0.00361	0.000321	mg/kg	12.10.14 19.34	U	1
Methoxychlor	72-43-5	U	0.0180	0.00122	mg/kg	12.10.14 19.34	U	1
Endrin Ketone	53494-70-5	U	0.00361	0.000203	mg/kg	12.10.14 19.34	U	1
Endrin Aldehyde	7421-93-4	U	0.00361	0.000251	mg/kg	12.10.14 19.34	U	1
Alpha-Chlordane	5103-71-9	U	0.00180	0.000155	mg/kg	12.10.14 19.34	U	1
Gamma-Chlordane	5103-74-2	U	0.00180	0.000304	mg/kg	12.10.14 19.34	U	1
Chlordane	12789-03-6	U	0.0180	0.00503	mg/kg	12.10.14 19.34	U	1
Toxaphene	8001-35-2	U	0.0721	0.0153	mg/kg	12.10.14 19.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	70	%	27-130	12.10.14 19.34	
Decachlorobiphenyl	2051-24-3	101	%	65-149	12.10.14 19.34	

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Sample Id:	**WH3-E3-0'-2'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-009	Date Collected:	12.04.14 16.31	Sample Depth:	0 - 2 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	**0.00288**	0.00186	0.0000972	mg/kg	12.10.14 19.55		1
Beta-BHC	319-85-7	**0.0199**	0.00186	0.000193	mg/kg	12.10.14 19.55		1
Delta-BHC	319-86-8	**0.00160**	0.00186	0.000216	mg/kg	12.10.14 19.55	J	1
Gamma-BHC (Lindane)	58-89-9	**0.00211**	0.00186	0.000104	mg/kg	12.10.14 19.55		1
Heptachlor	76-44-8	U	0.00186	0.000214	mg/kg	12.10.14 19.55	U	1
Aldrin	309-00-2	U	0.00186	0.000117	mg/kg	12.10.14 19.55	UF	1
Heptachlor Epoxide	1024-57-3	U	0.00186	0.000103	mg/kg	12.10.14 19.55	U	1
Endosulfan I	959-98-8	U	0.00186	0.000152	mg/kg	12.10.14 19.55	U	1
Dieldrin	60-57-1	U	0.00372	0.000187	mg/kg	12.10.14 19.55	U	1
4,4-DDE	72-55-9	**0.00488**	0.00372	0.000202	mg/kg	12.10.14 19.55		1
Endrin	72-20-8	U	0.00372	0.000187	mg/kg	12.10.14 19.55	U	1
Endosulfan II	33213-65-9	U	0.00372	0.000189	mg/kg	12.10.14 19.55	U	1
4,4-DDD	72-54-8	**0.00103**	0.00372	0.000205	mg/kg	12.10.14 19.55	J	1
Endosulfan Sulfate	1031-07-8	U	0.00372	0.000247	mg/kg	12.10.14 19.55	U	1
4,4-DDT	50-29-3	**0.0230**	0.00372	0.000331	mg/kg	12.10.14 19.55		1
Methoxychlor	72-43-5	U	0.0186	0.00126	mg/kg	12.10.14 19.55	U	1
Endrin Ketone	53494-70-5	U	0.00372	0.000210	mg/kg	12.10.14 19.55	U	1
Endrin Aldehyde	7421-93-4	U	0.00372	0.000259	mg/kg	12.10.14 19.55	U	1
Alpha-Chlordane	5103-71-9	U	0.00186	0.000160	mg/kg	12.10.14 19.55	U	1
Gamma-Chlordane	5103-74-2	U	0.00186	0.000314	mg/kg	12.10.14 19.55	U	1
Chlordane	12789-03-6	U	0.0186	0.00519	mg/kg	12.10.14 19.55	U	1
Toxaphene	8001-35-2	U	0.0744	0.0157	mg/kg	12.10.14 19.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	109	%	27-130	12.10.14 19.55	
Decachlorobiphenyl	2051-24-3	158	%	65-149	12.10.14 19.55	**

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Sample Id:	**WH3-E3-3'-5'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-010	Date Collected:	12.04.14 17.00	Sample Depth:	3 - 5 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	7.52
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6		U	0.00179	0.0000937	mg/kg	12.10.14 20.15	U	1
Beta-BHC	319-85-7		U	0.00179	0.000186	mg/kg	12.10.14 20.15	U	1
Delta-BHC	319-86-8		U	0.00179	0.000208	mg/kg	12.10.14 20.15	U	1
Gamma-BHC (Lindane)	58-89-9		U	0.00179	0.0001000	mg/kg	12.10.14 20.15	U	1
Heptachlor	76-44-8		U	0.00179	0.000206	mg/kg	12.10.14 20.15	U	1
Aldrin	309-00-2		U	0.00179	0.000113	mg/kg	12.10.14 20.15	UF	1
Heptachlor Epoxide	1024-57-3		U	0.00179	0.0000997	mg/kg	12.10.14 20.15	U	1
Endosulfan I	959-98-8		U	0.00179	0.000146	mg/kg	12.10.14 20.15	U	1
Dieldrin	60-57-1		U	0.00359	0.000180	mg/kg	12.10.14 20.15	U	1
4,4-DDE	72-55-9		U	0.00359	0.000195	mg/kg	12.10.14 20.15	U	1
Endrin	72-20-8		U	0.00359	0.000181	mg/kg	12.10.14 20.15	U	1
Endosulfan II	33213-65-9		U	0.00359	0.000182	mg/kg	12.10.14 20.15	U	1
4,4-DDD	72-54-8		U	0.00359	0.000197	mg/kg	12.10.14 20.15	U	1
Endosulfan Sulfate	1031-07-8		U	0.00359	0.000238	mg/kg	12.10.14 20.15	U	1
4,4-DDT	50-29-3		U	0.00359	0.000319	mg/kg	12.10.14 20.15	U	1
Methoxychlor	72-43-5		U	0.0179	0.00122	mg/kg	12.10.14 20.15	U	1
Endrin Ketone	53494-70-5		U	0.00359	0.000202	mg/kg	12.10.14 20.15	U	1
Endrin Aldehyde	7421-93-4		U	0.00359	0.000250	mg/kg	12.10.14 20.15	U	1
Alpha-Chlordane	5103-71-9		U	0.00179	0.000154	mg/kg	12.10.14 20.15	U	1
Gamma-Chlordane	5103-74-2		U	0.00179	0.000303	mg/kg	12.10.14 20.15	U	1
Chlordane	12789-03-6		U	0.0179	0.00500	mg/kg	12.10.14 20.15	U	1
Toxaphene	8001-35-2		U	0.0717	0.0152	mg/kg	12.10.14 20.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	57	%	27-130	12.10.14 20.15	
Decachlorobiphenyl	2051-24-3	95	%	65-149	12.10.14 20.15	

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Sample Id:	**WH3-E4-0'-2'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-011	Date Collected:	12.04.14 17.57	Sample Depth:	0 - 2 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	15.2
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	**0.00134**	0.00196	0.000102	mg/kg	12.10.14 20.35	J	1
Beta-BHC	319-85-7	**0.00852**	0.00196	0.000204	mg/kg	12.10.14 20.35		1
Delta-BHC	319-86-8	**0.000565**	0.00196	0.000228	mg/kg	12.10.14 20.35	J	1
Gamma-BHC (Lindane)	58-89-9	**0.00191**	0.00196	0.000109	mg/kg	12.10.14 20.35	J	1
Heptachlor	76-44-8	U	0.00196	0.000226	mg/kg	12.10.14 20.35	U	1
Aldrin	309-00-2	U	0.00196	0.000123	mg/kg	12.10.14 20.35	UF	1
Heptachlor Epoxide	1024-57-3	U	0.00196	0.000109	mg/kg	12.10.14 20.35	U	1
Endosulfan I	959-98-8	U	0.00196	0.000160	mg/kg	12.10.14 20.35	U	1
Dieldrin	60-57-1	U	0.00392	0.000197	mg/kg	12.10.14 20.35	U	1
4,4-DDE	72-55-9	**0.000898**	0.00392	0.000213	mg/kg	12.10.14 20.35	J	1
Endrin	72-20-8	U	0.00392	0.000198	mg/kg	12.10.14 20.35	U	1
Endosulfan II	33213-65-9	**0.000745**	0.00392	0.000200	mg/kg	12.10.14 20.35	J	1
4,4-DDD	72-54-8	U	0.00392	0.000216	mg/kg	12.10.14 20.35	U	1
Endosulfan Sulfate	1031-07-8	U	0.00392	0.000261	mg/kg	12.10.14 20.35	U	1
4,4-DDT	50-29-3	**0.00416**	0.00392	0.000349	mg/kg	12.10.14 20.35		1
Methoxychlor	72-43-5	U	0.0196	0.00133	mg/kg	12.10.14 20.35	U	1
Endrin Ketone	53494-70-5	**0.00109**	0.00392	0.000221	mg/kg	12.10.14 20.35	J	1
Endrin Aldehyde	7421-93-4	U	0.00392	0.000273	mg/kg	12.10.14 20.35	U	1
Alpha-Chlordane	5103-71-9	U	0.00196	0.000169	mg/kg	12.10.14 20.35	U	1
Gamma-Chlordane	5103-74-2	U	0.00196	0.000331	mg/kg	12.10.14 20.35	U	1
Chlordane	12789-03-6	U	0.0196	0.00547	mg/kg	12.10.14 20.35	U	1
Toxaphene	8001-35-2	U	0.0784	0.0166	mg/kg	12.10.14 20.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	111	%	27-130	12.10.14 20.35	
Decachlorobiphenyl	2051-24-3	147	%	65-149	12.10.14 20.35	

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Sample Id:	**WH3-E4-3'-5'**	Matrix:	Soil	Date Received:	12.05.14 16.45
Lab Sample Id:	498334-012	Date Collected:	12.04.14 19.30	Sample Depth:	3 - 5 ft

Analytical Method:	Organochlorine Pesticides by SW-846 8081B			Prep Method:	SW3545
Tech:	VBR			% Moisture:	20.4
Analyst:	CLAR	Date Prep:	12.09.14 14.30	Basis:	Dry Weight
Seq Number:	957355				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	U	0.00209	0.000109	mg/kg	12.10.14 20.55	U	1
Beta-BHC	319-85-7	**0.000611**	0.00209	0.000217	mg/kg	12.10.14 20.55	J	1
Delta-BHC	319-86-8	U	0.00209	0.000243	mg/kg	12.10.14 20.55	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.00209	0.000117	mg/kg	12.10.14 20.55	U	1
Heptachlor	76-44-8	U	0.00209	0.000241	mg/kg	12.10.14 20.55	U	1
Aldrin	309-00-2	U	0.00209	0.000132	mg/kg	12.10.14 20.55	UF	1
Heptachlor Epoxide	1024-57-3	U	0.00209	0.000116	mg/kg	12.10.14 20.55	U	1
Endosulfan I	959-98-8	U	0.00209	0.000171	mg/kg	12.10.14 20.55	U	1
Dieldrin	60-57-1	U	0.00419	0.000210	mg/kg	12.10.14 20.55	U	1
4,4-DDE	72-55-9	U	0.00419	0.000228	mg/kg	12.10.14 20.55	U	1
Endrin	72-20-8	U	0.00419	0.000211	mg/kg	12.10.14 20.55	U	1
Endosulfan II	33213-65-9	U	0.00419	0.000213	mg/kg	12.10.14 20.55	U	1
4,4-DDD	72-54-8	U	0.00419	0.000230	mg/kg	12.10.14 20.55	U	1
Endosulfan Sulfate	1031-07-8	U	0.00419	0.000278	mg/kg	12.10.14 20.55	U	1
4,4-DDT	50-29-3	U	0.00419	0.000372	mg/kg	12.10.14 20.55	U	1
Methoxychlor	72-43-5	U	0.0209	0.00142	mg/kg	12.10.14 20.55	U	1
Endrin Ketone	53494-70-5	U	0.00419	0.000236	mg/kg	12.10.14 20.55	U	1
Endrin Aldehyde	7421-93-4	U	0.00419	0.000291	mg/kg	12.10.14 20.55	U	1
Alpha-Chlordane	5103-71-9	U	0.00209	0.000180	mg/kg	12.10.14 20.55	U	1
Gamma-Chlordane	5103-74-2	U	0.00209	0.000353	mg/kg	12.10.14 20.55	U	1
Chlordane	12789-03-6	U	0.0209	0.00584	mg/kg	12.10.14 20.55	U	1
Toxaphene	8001-35-2	U	0.0837	0.0177	mg/kg	12.10.14 20.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	63	%	27-130	12.10.14 20.55	
Decachlorobiphenyl	2051-24-3	99	%	65-149	12.10.14 20.55	

Certificate of Analytical Results 498334

Environmental International Corporation, Alpharetta, GA

GPA - Bainbridge

Sample Id: **WH3-Auger Rinsate** Matrix: Water Date Received:12.05.14 16.45

Lab Sample Id: 498334-013 Date Collected: 12.04.14 20.07

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 12.09.14 12.50

Seq Number: 957359

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0980	0.00363	ug/L	12.10.14 15.32	U	1
4,4-DDE	72-55-9	U	0.0980	0.00343	ug/L	12.10.14 15.32	U	1
4,4-DDT	50-29-3	U	0.0980	0.00480	ug/L	12.10.14 15.32	U	1
Aldrin	309-00-2	U	0.0490	0.00255	ug/L	12.10.14 15.32	U	1
Alpha-BHC	319-84-6	U	0.0490	0.00990	ug/L	12.10.14 15.32	U	1
Alpha-Chlordane	5103-71-9	U	0.0490	0.00216	ug/L	12.10.14 15.32	U	1
Beta-BHC	319-85-7	U	0.0490	0.00225	ug/L	12.10.14 15.32	U	1
Delta-BHC	319-86-8	U	0.0490	0.00196	ug/L	12.10.14 15.32	U	1
Dieldrin	60-57-1	U	0.0980	0.00422	ug/L	12.10.14 15.32	U	1
Endosulfan I	959-98-8	U	0.0490	0.00235	ug/L	12.10.14 15.32	U	1
Endosulfan II	33213-65-9	U	0.0980	0.00441	ug/L	12.10.14 15.32	U	1
Endosulfan Sulfate	1031-07-8	U	0.0980	0.00686	ug/L	12.10.14 15.32	U	1
Endrin	72-20-8	U	0.0980	0.00451	ug/L	12.10.14 15.32	U	1
Endrin Aldehyde	7421-93-4	U	0.0980	0.00843	ug/L	12.10.14 15.32	U	1
Endrin Ketone	53494-70-5	U	0.0980	0.00441	ug/L	12.10.14 15.32	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0490	0.00157	ug/L	12.10.14 15.32	U	1
Gamma-Chlordane	5103-74-2	U	0.0490	0.00176	ug/L	12.10.14 15.32	U	1
Heptachlor	76-44-8	U	0.0490	0.00284	ug/L	12.10.14 15.32	U	1
Heptachlor Epoxide	1024-57-3	U	0.0490	0.00275	ug/L	12.10.14 15.32	U	1
Methoxychlor	72-43-5	U	0.490	0.0282	ug/L	12.10.14 15.32	U	1
Chlordane	12789-03-6	U	0.490	0.0944	ug/L	12.10.14 15.32	U	1
Toxaphene	8001-35-2	U	2.45	0.415	ug/L	12.10.14 15.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	75	%	27-135	12.10.14 15.32	
Decachlorobiphenyl	2051-24-3	99	%	26-154	12.10.14 15.32	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Environmental International Corporation

GPA - Bainbridge

Analytical Method: **Percent Moisture**
Seq Number: 956987 Matrix: Soil
Parent Sample Id: 498233-001 MD Sample Id: 498233-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	31.8	31.8	0	20	%	12.05.14 16:00	

Analytical Method: **Percent Moisture**
Seq Number: 956987 Matrix: Soil
Parent Sample Id: 498334-009 MD Sample Id: 498334-009 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	10.7	10.8	1	20	%	12.05.14 16:00	

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3545
Seq Number: 957355 Matrix: Solid Date Prep: 12.09.14
MB Sample Id: 665627-1-BLK LCS Sample Id: 665627-1-BKS LCSD Sample Id: 665627-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Alpha-BHC	<0.0000871	0.0167	0.0119	71	0.0145	87	43-156	20	30	mg/kg	12.10.14 16:33	
Beta-BHC	<0.000173	0.0167	0.0112	67	0.0129	77	43-155	14	30	mg/kg	12.10.14 16:33	
Delta-BHC	<0.000194	0.0167	0.0130	78	0.0144	86	56-170	10	30	mg/kg	12.10.14 16:33	
Gamma-BHC (Lindane)	<0.0000929	0.0167	0.0118	71	0.0142	85	43-159	18	30	mg/kg	12.10.14 16:33	
Heptachlor	<0.000192	0.0167	0.0116	69	0.0144	86	45-170	22	30	mg/kg	12.10.14 16:33	
Aldrin	<0.000105	0.0167	0.00965	58	0.0137	82	45-151	35	30	mg/kg	12.10.14 16:33	F
Heptachlor Epoxide	<0.0000927	0.0167	0.0122	73	0.0139	83	33-163	13	30	mg/kg	12.10.14 16:33	
Endosulfan I	<0.000136	0.0167	0.0100	60	0.0112	67	57-176	11	30	mg/kg	12.10.14 16:33	
Dieldrin	<0.000168	0.0167	0.0134	80	0.0145	87	48-163	8	30	mg/kg	12.10.14 16:33	
4,4-DDE	<0.000181	0.0167	0.0121	72	0.0132	79	45-187	9	30	mg/kg	12.10.14 16:33	
Endrin	<0.000168	0.0167	0.0147	88	0.0159	95	19-181	8	30	mg/kg	12.10.14 16:33	
Endosulfan II	<0.000170	0.0167	0.0125	75	0.0126	75	58-159	1	30	mg/kg	12.10.14 16:33	
4,4-DDD	<0.000183	0.0167	0.0130	78	0.0129	77	40-176	1	30	mg/kg	12.10.14 16:33	
Endosulfan Sulfate	<0.000222	0.0167	0.0150	90	0.0151	90	29-163	1	30	mg/kg	12.10.14 16:33	
4,4-DDT	<0.000297	0.0167	0.0143	86	0.0146	87	32-178	2	30	mg/kg	12.10.14 16:33	
Methoxychlor	<0.00113	0.0167	0.0164	98	0.0163	98	50-196	1	30	mg/kg	12.10.14 16:33	
Endrin Ketone	<0.000188	0.0167	0.0147	88	0.0147	88	55-185	0	30	mg/kg	12.10.14 16:33	
Endrin Aldehyde	<0.000232	0.0167	0.0133	80	0.0139	83	35-155	4	30	mg/kg	12.10.14 16:33	
Alpha-Chlordane	<0.000143	0.0167	0.0125	75	0.0142	85	66-192	13	30	mg/kg	12.10.14 16:33	
Gamma-Chlordane	<0.000281	0.0167	0.0125	75	0.0142	85	27-138	13	30	mg/kg	12.10.14 16:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	98		70		90		27-130	%	12.10.14 16:33
Decachlorobiphenyl	103		100		101		65-149	%	12.10.14 16:33

QC Summary 498334

Environmental International Corporation

GPA - Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3545

Seq Number: 957355 Matrix: Soil Date Prep: 12.09.14

Parent Sample Id: 498334-005 MS Sample Id: 498334-005 S MSD Sample Id: 498334-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Alpha-BHC	0.000221	0.0176	0.0134	75	0.0140	78	43-156	4	30	mg/kg	12.10.14 17:33	
Beta-BHC	0.000800	0.0176	0.0160	86	0.0157	85	43-155	2	30	mg/kg	12.10.14 17:33	
Delta-BHC	<0.000204	0.0176	0.0154	88	0.0172	98	56-170	11	30	mg/kg	12.10.14 17:33	
Gamma-BHC (Lindane)	<0.0000981	0.0176	0.0131	74	0.0146	83	43-159	11	30	mg/kg	12.10.14 17:33	
Heptachlor	<0.000203	0.0176	0.0127	72	0.0128	73	45-170	1	30	mg/kg	12.10.14 17:33	
Aldrin	<0.000111	0.0176	0.0127	72	0.0125	71	45-151	2	30	mg/kg	12.10.14 17:33	
Heptachlor Epoxide	<0.0000979	0.0176	0.0135	77	0.0135	77	33-163	0	30	mg/kg	12.10.14 17:33	
Endosulfan I	<0.000144	0.0176	0.0110	63	0.0109	62	57-176	1	30	mg/kg	12.10.14 17:33	
Dieldrin	<0.000177	0.0176	0.0146	83	0.0144	82	48-163	1	30	mg/kg	12.10.14 17:33	
4,4-DDE	0.000726	0.0176	0.0155	84	0.0147	79	45-187	5	30	mg/kg	12.10.14 17:33	
Endrin	<0.000177	0.0176	0.0171	97	0.0167	95	19-181	2	30	mg/kg	12.10.14 17:33	
Endosulfan II	0.000214	0.0176	0.0131	73	0.0128	72	58-159	2	30	mg/kg	12.10.14 17:33	
4,4-DDD	<0.000194	0.0176	0.0150	85	0.0143	81	40-176	5	30	mg/kg	12.10.14 17:33	
Endosulfan Sulfate	0.000253	0.0176	0.0150	84	0.0152	85	29-163	1	30	mg/kg	12.10.14 17:33	
4,4-DDT	0.00255	0.0176	0.0191	94	0.0174	84	32-178	9	30	mg/kg	12.10.14 17:33	
Methoxychlor	<0.00119	0.0176	0.0256	145	0.0198	113	50-196	26	30	mg/kg	12.10.14 17:33	
Endrin Ketone	<0.000199	0.0176	0.0150	85	0.0148	84	55-185	1	30	mg/kg	12.10.14 17:33	
Endrin Aldehyde	0.000319	0.0176	0.0145	81	0.0142	79	35-155	2	30	mg/kg	12.10.14 17:33	
Alpha-Chlordane	<0.000151	0.0176	0.0146	83	0.0143	81	66-192	2	30	mg/kg	12.10.14 17:33	
Gamma-Chlordane	<0.000297	0.0176	0.0145	82	0.0143	81	27-138	1	30	mg/kg	12.10.14 17:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	75		74		11-114	%	12.10.14 17:33
Decachlorobiphenyl	97		96		32-145	%	12.10.14 17:33

QC Summary 498334

Environmental International Corporation

GPA - Bainbridge

Analytical Method: **TCLP Pesticides by SW-846 1311/8081B** Prep Method: SW3510C

Seq Number: 957359 Matrix: Water Date Prep: 12.09.14

MB Sample Id: 665578-1-BLK LCS Sample Id: 665578-1-BKS LCSD Sample Id: 665578-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Alpha-BHC	<0.0101	0.500	0.341	68	0.400	80	24-141	16	30	ug/L	12.10.14 13:51	
Beta-BHC	<0.00230	0.500	0.362	72	0.413	83	12-162	13	30	ug/L	12.10.14 13:51	
Delta-BHC	<0.00200	0.500	0.422	84	0.468	94	19-147	10	30	ug/L	12.10.14 13:51	
Gamma-BHC (Lindane)	<0.00160	0.500	0.362	72	0.432	86	23-143	18	30	ug/L	12.10.14 13:51	
Heptachlor	<0.00290	0.500	0.365	73	0.424	85	20-142	15	30	ug/L	12.10.14 13:51	
Aldrin	<0.00260	0.500	0.360	72	0.418	84	11-131	15	30	ug/L	12.10.14 13:51	
Heptachlor Epoxide	<0.00280	0.500	0.382	76	0.425	85	32-134	11	30	ug/L	12.10.14 13:51	
Endosulfan I	<0.00240	0.500	0.318	64	0.347	69	20-135	9	30	ug/L	12.10.14 13:51	
Dieldrin	<0.00430	0.500	0.413	83	0.443	89	35-140	7	30	ug/L	12.10.14 13:51	
4,4-DDE	<0.00350	0.500	0.409	82	0.435	87	18-147	6	30	ug/L	12.10.14 13:51	
Endrin	<0.00460	0.500	0.467	93	0.497	99	36-158	6	30	ug/L	12.10.14 13:51	
Endosulfan II	<0.00450	0.500	0.366	73	0.376	75	34-122	3	30	ug/L	12.10.14 13:51	
4,4-DDD	<0.00370	0.500	0.404	81	0.410	82	20-152	1	30	ug/L	12.10.14 13:51	
Endosulfan Sulfate	<0.00700	0.500	0.428	86	0.430	86	41-145	0	30	ug/L	12.10.14 13:51	
4,4-DDT	<0.00490	0.500	0.449	90	0.455	91	18-164	1	30	ug/L	12.10.14 13:51	
Methoxychlor	<0.0288	0.500	0.480	96	0.476	95	36-169	1	30	ug/L	12.10.14 13:51	
Endrin Ketone	<0.00450	0.500	0.427	85	0.426	85	42-134	0	30	ug/L	12.10.14 13:51	
Endrin Aldehyde	<0.00860	0.500	0.390	78	0.389	78	28-135	0	30	ug/L	12.10.14 13:51	
Alpha-Chlordane	<0.00220	0.500	0.412	82	0.450	90	37-135	9	30	ug/L	12.10.14 13:51	
Gamma-Chlordane	<0.00180	0.500	0.411	82	0.451	90	25-112	9	30	ug/L	12.10.14 13:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	100		63		69		27-135	%	12.10.14 13:51
Decachlorobiphenyl	99		100		99		26-154	%	12.10.14 13:51

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corp.	Receiver's Initials/Temp: CH / 5.4
Address: 161 Kimball Bridge Rd.	Custody Seal(s) Y (N) Lab Work Order # 498334
Results Sent to: asanders@eicusa.com	P.O.# (if required):
Email address: Alan Sanders	Field Comments / Lab Precautions:
Contact Phone #: 770-772-7000 ~~Cell#~~ ext. 225	
Project Name (Site): EPA - Bainbridge	
Project Number (ID): 400007	
Regulatory Program: VRP	

Sampler(s): (signature) Alan Sanders

Sampler(s): (printed) Alan Sanders

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	Container Type: GA	GC	GC	Analysis Requested
								8081B/3660B	1311/8021B/3630B	8081B/3660B	
1	MW-24 Soil 1 IDW	N/A	12/4/14 8:32	L		X	1	X			
2	MW-24 Soil 2 IDW	N/A	12/4/14 8:59	SD	X	X	1		X		Note: Composite samples Soil 1 IDW and Soil 2 IDW before running analysis
3	MW-24 Liquid IDW	N/A	12/4/14 9:26	SD	X	X	1		X		
4	MW-24 Soil Rinsate	N/A	12/4/14 9:43	W		X	1	X			
5	WH3-E1-0'-2'	0'-2'	12/4/14 14:24	S		X	1			X	
6	WH3-E1-3'-5'	3'-5'	12/4/14 14:51	S		X	1			X	
7	WH3-E2-0'-2'	0'-2'	12/4/14 15:20	S		X	1			X	
8	WH3-E2-3'-5'	3'-5'	12/4/14 15:52	S		X	1			X	
9	WH3-E3-0'-2'	0'-2'	12/4/14 16:31	S		X	1			X	
10	WH3-E3-3'-5'	3'-5'	12/4/14 17:00	S		X	1			X	

1) Relinquished By: Alan Sanders	Date / Time 12/5/14 (est) 15:09	2) Received By: [signature] 12/5/14 (15:10)	Date / Time
3) Relinquished By: [signature] 12/5/14	Date / Time 1645	4) Received By: [signature] 12/05/14	Date / Time 16:45
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
X 10 Days ; ___5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corp.	Receiver's Initials/Temp: CH / 5.7
Address: 161 Kimball Bridge Rd.	Custody Seal(s): (Y) N Lab Work Order # 498334
Results Sent to: Alan Sanders	P.O.# (if required):
Email address: asanders@eicusa.com	Field Comments / Lab Precautions:
Contact Phone #: 770-772-7100, ext. 225 Cell#:	
Project Name (Site): GPA - Bainbridge	**Analysis Requested**
Project Number (ID): 400007	Container Type: GA GC
Regulatory Program: VRP	Chemical Preservation Code:

Sampler(s): (signature)	Sampler(s): (printed)
Alan Sanders	Alan Sanders

Line No.	Sample ID # (Unique)	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B/3660B	8081B/3660B
1	WH3-E4-0'-2'	0'-2'	12/4/14 17:57	S		X	1		X
2	WH3-E4-3'-5'	3'-5'	12/4/14 19:30	S		X	1		X
3	WH3-Angle Rinsate	N/A	12/4/14 20:07	W		X	1	X	
4									
5									
6									
7									
8									
9									
10									

1) Relinquished By: Alan Sanders	Date / Time 12/5/2014 15:09	2) Received By:	Date / Time 12/5/14 1510
3) Relinquished By:	Date / Time 12/5/2014 1645	4) Received By:	Date / Time 12/05/14 16:45
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
X 10 Days ; ___5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Environmental International Corporation

Date/ Time Received: 12/05/2014 04:45:00 PM

Work Order #: 498334

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	5.4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**N/A**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

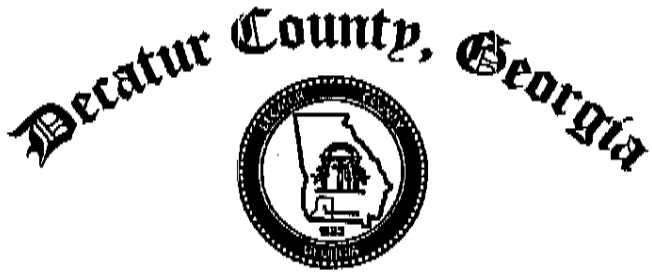
Checklist completed by: Dario Lagunas Date: 12/05/2014

Checklist reviewed by: Eben Buchanan Date: 12/05/2014

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT C1
WASTE ACCEPTANCE AND AGREEMENT FORM



COMMISSIONERS OF DECATUR COUNTY
P.O. Box 726
Bainbridge, Georgia 39818-0726
229-248-3030 Fax 246-2062

TO: Raj Mahadevaiah

FROM: Suzanne Brandt, Decatur County, GA

DATE: 11/26/13

FAX #: 770-772-0555

Account No. _____
(Assigned by Landfill)

Decatur County Solid Waste Disposal Facility
P.O. Box 726
Bainbridge, Georgia 39818
Solid Waste Director: John Simmons
Email: john.simmons@bellsouth.net
Phone: (229) 248-3030 **Fax:** (229) 246-2062

WASTE ACCEPTANCE APPLICATION AND AGREEMENT

The Decatur County Solid Waste Disposal Facility accepts only non-hazardous waste

This Waste Acceptance Application and Agreement is entered into this 20th day of November, 2013, by and between Georgia Ports Authority (hereinafter "Generator") and Decatur County Solid Waste Disposal Facility (hereinafter the "Landfill").

For and in consideration of the mutual promises and covenants set forth herein, the receipt and adequacy of which is hereby acknowledged, the parties hereto agree as follows.

1. Project "Working" Name: GPA Non-Hazardous Waste Disposal
Generator's Contact Person: Natalie Dawn
Address: Georgia Ports Authority P.O. Box 2406, Savannah GA 31402
Telephone: 912-963-5595 Fax: 912-964-3918 E-Mail: _____

2. Agent or Consultant Arranging for Disposal (If other than Generator):
Environmental International Corporation
Contact Person: Raj Mahadevaiah
Address: 161 Kimball Bridge Rd., Alpharetta GA 30009
Telephone: 770-772-7100 Fax: 770-772-0555 E-Mail: RajMahadevaiah@eicusa.com

3. Description of Waste: Non-Hazardous Soil
Source / Location of Waste: Georgia Ports Authority, Bainbridge Terminal
Estimated Quantity of Waste: 10 Tons or _____ Cubic Yards
Frequency of Disposal: Regular [ ] One-Time [✓] Other _____
Delivery Method: Bulk [✓] Drum [ ] Other _____
Note: All material must be able to pass the standard paint filter test for free liquid content.

4. This Application and Agreement must have attached all necessary laboratory test results to demonstrate any waste material proposed for disposal is classified as non-hazardous by U.S. Environmental Protection Agency (EPA) and the Georgia Environmental Protection Division (EPD). An adequate number of representative samples shall be tested to demonstrate the entire quantity to be disposed has been effectively evaluated. Updated analysis of the material is required only if the associated test data is older than two (2) years. For **petroleum contaminated soil**, the test report should at a minimum provide analysis results for TPH and/or BTEX. If leaded fuels are a probability, a TCLP for Lead may be asked for. For **all other materials**, the

GENERATOR'S CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. To the best of my knowledge, the material described above is classified as non-hazardous waste under current state and federal laws and regulations, and I agree to notify the Landfill if such classification changes. The attached information provided is true and accurate to the best of my knowledge."

GENERATOR or AGENT

By: _____

Name Printed: Christopher B. Novack, P.E.

Title: Director, Engineering & Facilities Ma

Date: 11/20/13

DECATUR COUNTY SOLID WASTE DISPOSAL FACILITY

By: _____

Name Printed: SUZANNE H. BRANDT

Title: Director of Environmental and Public Svcs.

Date: 11/26/2013

To be completed by Landfill Staff.

Tipping Fee (Dollars Per Ton): $18 Suitable for Daily Cover? Yes No X

Material received: _____ Begin Ticket: _____ Last Ticket: _____

Placed in Cell: _____ Lift: _____

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT C2
IDW SOIL MANIFEST

Decatur County, GA Non-Hazardous Manifest

Please print or type

1. Generator's US EPA ID No.	2. Manifest Document Number

3. Generator's Name and Mailing Address
GPA 1321 SPRING CREEK RD, BAINBRIDGE, GA 39817

4. Generator's Phone 229-248-2402

State Generator's ID Number

5. Transporter Company Name	6. US EPA ID Number
State Transporter ID Number	Transporter Phone

7. Designated Facility Name and Site Address	8. State Facility's ID
Decatur County Solid Waste Facility	9. US EPA ID Number
Highway 27 South	10. Facility's Phone
Attapulgus, GA	229-465-3188

11. Description of Waste Materials	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	Misc. Notes
NON-hazardous Soil	1	roll off	2.04 Tons		~4.5 tons

Additional Descriptions for Materials Listed Above
Landfill ✓ Solidification _____
Bio Remediation _____

Disposal Location
Cell 3 Level 7
Grid _____

15. Special Handling Instructions and Additional Information
CONTACT:
Purchase Order # Emergency Contact:

16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On Behalf Of"	Mo/Day/Year
KENNETH SLATER	Kenneth Slater	1-14-15

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo/Day/Year
Chris Taylor	Chris Taylor	1-14-15

18. Certificate of Final Treatment/Disposal: I certify, on behalf of the above-listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on dates listed above.

19. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Mo/Day/Year
D. [illegible]	[signature]	1-19-15

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT C3
IDW SOIL LANDFILL WEIGHT TICKET

DECATUR COUNTY LANDFILL
BOARD OF COMMISSIONERS
P.O. BOX 726
BAINBRIDGE GA,39818

TICKET#: 132479
ORIGINAL
OPERATOR: Bill
IN: 09:56:02 AM

1/14/2015

HAULER: TAYLOR WASTE
TRUCK: ROLLOFF
CUSTOMER: CASH CUSTOMER
CASH

GROSS Lbs: 36,880.00
TARE Lbs: 32,800.00
NET Lbs: 4,080.00
MANUAL
Cash

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
54 - contaminated soil	2.04	TONS	$18.00	$36.72

INFO: 1 load
1-14-15

Product Total: $36.72
Total Fees: $0.00
Total Taxes: $0.00
Total Cost: $36.75

Have a nice day. The Landfill speed limit is 10 mph at all times.
PLEASE TARP YOUR LOAD BEFORE COMING TO THE LANDFILL. decaturcolf@tds.net
Office (229)-465-3188 Fax (229)-465-3194

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT D1
IDW WATER MANIFEST

Aqua-Terra
Recycling and Treatment

710 Moore Street • P.O. Box 98
Oxford, Georgia 30054
Phone: (678) 625-4025
Fax: (678) 625-4944

NON-HAZARDOUS WASTE MANIFEST

N 8351

Section I — GENERATOR (Generator completes all of Section 1)

a. Generator Name: GPH
b. Address: 1321 Spring Creek Road
Bainbridge, GA 39817
c. Phone No.:
If owner generating facility differs from the generator, provide:
d. Owner's Name:
e. Description of Waste: Ground Water

g. Generating Location:
h. Address:
i. Phone No.:
j. Owner's Phone No.:

Quantity	Gallons	Type
400	☒	T

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
T - TRUCK

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

KENNETH SLATER — Generator Authorized Agent Name
Signature
01/14/15 — Shipping Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I completes e-g: Transporter II completes h-n)

a. Name: **Aqua-Terra**
b. Address: **710 Moore Street**
Oxford, Georgia 30054
c. Drive Name/Title: TROY MONACK
d. Phone No.: (678) 625-4025 e: Truck No.: TK1
f. Vehicle License No/State:
Acknowledgment of Receipt of Materials.
g. TROY MONACK — Driver Signature
01/14/15 — Shipping Date

h. Name:
i. Address:
j. Drive Name/Title:
k. Phone No.: l: Truck No.:
m. Vehicle License No/State:
Acknowledgment of Receipt of Materials.
n. Driver Signature
Shipping Date

Section III — DESTINATION

a. Site Name: **Aqua-Terra**
b. Physical Address: **710 Moore Street**
Oxford, Georgia 30054
e. Discrepancy Indication Space:

c. Phone No.: (678) 625-4025
d. Mailing Address:. **P.O. Box 98**
Oxford, Georgia 30054

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

David C. Bellah — Name of Authorized Agent
Signature
01/14/15 — Shipping Date

WHITE - DESTINATION
YELLOW - TRANSPORTERS

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT D2
IDW WATER CERTIFICATE OF TREATMENT

Aqua-Terra
Recycling and Treatment

CERTIFICATE OF TREATMENT AND DISPOSAL

The following non-hazardous wastewater was received at Aqua-Terra Recycling & Treatment's facility in Oxford, Georgia on January 14, 2015.

Four Hundred Eighty Three (483) gallons of petroleum contact water was treated from:

Generator location: 1321 Spring Creek Road in Bainbridge, Georgia

The water was treated by a six step process that includes air stripping and biological degradation. Treated water was discharged to the Newton County sanitary sewer system in accordance with Aqua-Terra Recycling & Treatment's Industrial Wastewater Discharge Permit No. 006.

Tammy Neal
CEO

1/14/2015
Date

aquaterrarecycling.com • P.O. Box 98 • Oxford Georgia 30054
Office: 678-625-4025 • Cell: 770-823-2382 • Fax: 678-625-4944

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT E1
IDW DRUMS MANIFEST

Aqua-Terra
Recycling and Treatment

710 Moore Street • P.O. Box 98
Oxford, Georgia 30054
Phone: (678) 625-4025
Fax: (678) 625-4944

NON-HAZARDOUS WASTE MANIFEST

No. 8352

Section I — GENERATOR (Generator completes all of Section 1)

a. Generator Name: GPA
b. Address: 1321 Spring Creek Road
Bainbridge, GA 39817
c. Phone No.:
If owner generating facility differs from the generator, provide:
d. Owner's Name:
e. Description of Waste: Empty metal Drums

g. Generating Location:
h. Address:
i. Phone No.:
j. Owner's Phone No.:

Quantity	Gallons	Type
10		DM

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
T - TRUCK

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

KENNETH SLATER — Generator Authorized Agent Name
Signature
01/14/15 — Shipping Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I completes e-g: Transporter II completes h-n)

a. Name: **Aqua-Terra**
b. Address: **710 Moore Street**
Oxford, Georgia 30054
c. Drive Name/Title: Stacy Taylor
d. Phone No.: (678) 625-4025 e: Truck No.: TK2
f. Vehicle License No/State:
Acknowledgment of Receipt of Materials.
g. — Driver Signature
01/14/15 — Shipping Date

h. Name:
i. Address:
j. Drive Name/Title:
k. Phone No.: l: Truck No.:
m. Vehicle License No/State:
Acknowledgment of Receipt of Materials.
n. — Driver Signature
Shipping Date

Section III — DESTINATION

a. Site Name: **Aqua-Terra**
b. Physical Address: **710 Moore Street**
Oxford, Georgia 30054
e. Discrepancy Indication Space:

c. Phone No.: (678) 625-4025
d. Mailing Address: **P.O. Box 98**
Oxford, Georgia 30054

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

David C. Bellah — Name of Authorized Agent
Signature
01/14/15 — Shipping Date

TK2

WHITE - DESTINATION
YELLOW - TRANSPORTERS

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT E2
IDW DRUMS CERTIFICATE OF DESTRUCTION

LB Recycling & Waste Services
8194 Washington St SW
Covington, GA 30014
770-786-5119

Aqua-Terra Recycling
PO Box 98
Oxford, GA 30054
678-625-4025

January 14, 2015

RE: Letter of Destruction

This letter is a written guarantee that 520 lbs of scrap 55-gallon drums were delivered to our facility from Aqua-Terra Recycling. Our only purpose is to separate the various types of materials to recover the best value based solely on their scrap metal content. The scrap metal is all that we deal in. Our company does not engage in selling equipment whole or partial to any third party. We also do not allow any person or company to inspect, sketch or photograph the equipment once it leaves your facility.

We processed the scrap metal within 72 hours of collection.

Anthony J. Maddox
LB Recycling & Waste Services

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT F
MARCH 2015 WELL PURGING AND SAMPLING FIELD LOGS

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-1

DATE: 3-3-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 70°F Clear 1/9hr wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 19.50 FT. to 29.50 FT.

INITIAL WATER LEVEL (BTOC): 26.11 FT. | TIME: 10:12 | BTOC WELL SCREEN INTERVAL: 22.01 FT. to 32.01 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 32.51 FT. | MEASURED TOTAL WELL DEPTH (BTOC): 32.80 FT. | HEIGHT OF STICK-UP: 2.51 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
10:28	0	18.97	3.28	318	0.424	0.0	3.98	26.12	Clear
10:33	740	18.72	3.25	324	0.449	0.0	3.49	26.12	
10:38	1360	18.69	3.19	326	0.462	0.0	3.27	26.12	
10:44	2260	18.75	3.19	340	0.547	0.0	3.00	26.12	
10:49	2820	18.97	3.19	343	0.510	0.0	2.85	26.12	
~~10:54~~	3520	18.97	3.13	348	0.505	0.0	2.70	26.12	
10:59	3900	18.94	3.06	354	0.508	0.0	2.65	26.12	

6.20 10:54 1760

COMMENTS:

SAMPLE COLLECTION TIME: 11:03

PREPARED BY: SHCmy

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	33
Initial tubing depth (ft.) BTOC	29
Final tubing depth (ft.) BTOC	29.
Initial pump speed	5.08
Time pump speed was initialized	10:21
Pump speed at flow into cylinder	5.09
Started new roll of tubing at	—
Three well volume (mL)	—

~~33~~ 32 ft

2,000 mL volume poured into bucket:

Time	9:43								
Cummulative Volume (mL)	2200								

Additional remarks:

0.1041

ENVIRONMENTAL INTERNATIONAL CORPORATION

PAGE 1 OF 1

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-1A

DATE: 3-3-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 75°F Clear, low wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 23.00 FT. to 33.00 FT.

INITIAL WATER LEVEL (BTOC): 26.22 FT. | TIME: 11:25 | BTOC WELL SCREEN INTERVAL: 25.85 FT. to 35.85 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 33.96 FT. | MEASURED TOTAL WELL DEPTH (BTOC): 36.81 ✓ FT. | HEIGHT OF STICK-UP: 2.85 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
11:44	0	21.07	3.12	326	0.842	4.5	2.57	26.22	
11:49	660	20.18	3.13	331	0.805	0.0	1.85	26.22	
11:54	1300	20.14	3.13	332	0.747	0.0	1.81	26.22	
11:59	2100	20.06	3.14	336	0.714	0.0	1.83	26.22	
12:04	2700	20.02	3.15	334	0.714	0.0	1.80	26.22	

COMMENTS:

SAMPLE COLLECTION TIME: 12:07

PREPARED BY: SHClmly

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	36
Initial tubing depth (ft.) BTOC	32
Final tubing depth (ft.) BTOC	32
Initial pump speed	5.02
Time pump speed was initialized	11:39
Pump speed at flow into cylinder	5.02
Started new roll of tubing at	—
Three well volume (mL)	—

32

2,000 mL volume poured into bucket:

Time	12:00								
Cummulative Volume (mL)	2200								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-2

DATE: 3/2/15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Cloudy 75°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 14.88 FT. | TIME: 15:40 | BTOC WELL SCREEN INTERVAL: 15.85 FT. to 25.85 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): FT. | MEASURED TOTAL WELL DEPTH (BTOC) 29.2 FT. | HEIGHT OF STICK-UP: 2.85 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
16:10	0	19.45	6.27	160	0.068	0.0	4.43	19.98	
16:15	1680	18.59	3.83	271	0.057	0.0	3.66	19.98	
16:20	3320	18.43	3.98	272	0.060	0.0	3.04	19.98	
16:25	4800	18.43	4.19	265	0.062	0.0	3.30	19.98	
16:30	6410	18.44	4.17	270	0.063	0.0	2.75	19.98	
16:35	8000	18.38	4.14	275	0.066	0.0	2.58	19.98	

COMMENTS:

SAMPLE COLLECTION TIME: 16:37

PREPARED BY: David Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	28
Initial tubing depth (ft.) BTOC	24
Final tubing depth (ft.) BTOC	24
Initial pump speed	9.1
Time pump speed was initialized	16:08
Pump speed at flow into cylinder	9.1
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	16:16	16:22	16:28	16:34					
Cummulative Volume (mL)	2000	4000	6000	8000					

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-3

DATE: 7-7-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 62°F Foggy Mowing

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 15.00 FT. to 25.00 FT.

INITIAL WATER LEVEL (BTOC): 19.13 FT. | TIME: 8:09 | BTOC WELL SCREEN INTERVAL: 17.83 FT. to 27.83 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 25.0 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 27.32 FT. | HEIGHT OF STICK-UP: 2.83 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
8:26	0	14.86	4.53	250	0.075	0.0	8.15	18.18	Clear
8:31	800	15.94	4.50	256	0.074	0.0	7.23	18.17	
8:36	1600	16.12	4.50	665	0.075	0.0	6.98	18.17	
8:41	2500	16.31	4.49	665	0.077	0.0	7.00	18.17	

COMMENTS:

SAMPLE COLLECTION TIME: 8:44

PREPARED BY: S Heimly

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	27.5
Initial tubing depth (ft.) BTOC	23.5
Final tubing depth (ft.) BTOC	23.5
Initial pump speed	5.05
Time pump speed was initialized	8:21
Pump speed at flow into cylinder	5.05
Started new roll of tubing at	—
Three well volume (mL)	—

+ 2 feet

2,000 mL volume poured into bucket:

Time	8:39								
Cummulative Volume (mL)	2200								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

DATE: 3-3-15	PROJECT NAME: GPA Bainbridge	WELL/SAMPLE NO: MW-4U
WEATHER CONDITIONS: 65°F Clear Normal		PROJECT NO: 400007 - 4.5

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER — BGS WELL SCREEN INTERVAL: 16.00 FT. to 31.00 FT.

INITIAL WATER LEVEL (BTOC): 24.52 FT. TIME: 9:10 — BTOC WELL SCREEN INTERVAL: 18.05 FT. to 33.05 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 33.05 FT. — MEASURED TOTAL WELL DEPTH (BTOC) 32.38 FT. — HEIGHT OF STICK-UP: 2.05 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco — WATER ANALYZER MODEL: Horiba U-52 — SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
9:26	0	16.80	3.60	297	0.284	0.0	5.95	24.52	
9:31	640	17.44	3.55	313	0.292	0.0	5.20	24.48	24.52 SH
9:36	1280	17.70	3.52	321	0.285	0.0	4.87	24.52	
9:41	1760	17.84	3.48	325	0.289	0.0	4.80	24.52	

COMMENTS:

SAMPLE COLLECTION TIME: 9:45

PREPARED BY: S HIPSLEY

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	33
Initial tubing depth (ft.) BTOC	29
Final tubing depth (ft.) BTOC	29
Initial pump speed	5.08
Time pump speed was initialized	9:20
Pump speed at flow into cylinder	5.03
Started new roll of tubing at	—
Three well volume (mL)	—

12

2,000 mL volume poured into bucket:

Time	9:42								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

PAGE 1 OF 1

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-5A

DATE: 3-5-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Cloudy, light wind with gusts, 48°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 16.50 FT. to 26.50 FT.

INITIAL WATER LEVEL (BTOC): 17.73 FT. | TIME: 11:24 | BTOC WELL SCREEN INTERVAL: 16.20 FT. to 26.20 FT.

MEASURED TOTAL WELL DEPTH (BGS): 27.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 27.82 FT. | FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
11:39	0	23.71	3.37	228	1.51	0.0	2.45	17.74	
11:40	900	23.26	3.30	245	1.57	0.0	1.27	17.74	
11:45	1720	23.16	3.26	251	1.52	0.0	1.22	17.74	
11:50	2380	23.37	3.49	239	1.43	0.0	1.02	17.74	
11:56	3360	22.75	3.36	250	1.17	0.0	2.95	17.72	
12:01	4040	22.63	3.58	230	1.10	0.0	3.17	17.73	
12:05	4980	22.69	3.44	241	1.09	0.0	3.33	17.72	
12:12	5780	22.73	3.25	261	1.02	0.0	3.25	17.72	
12:17	6920	22.69	3.51	247	1.07	0.0	3.41	17.73	
12:22	8000	22.64	3.37	252	1.07	0.0	3.57	17.73	
12:29	9540	22.72	3.25	264	1.06	0.0	3.57	17.74	
12:34	10,480	22.65	3.42	255	1.07	0.0	3.29	17.74	
12:39	12,540	22.62	3.56	247	1.07	0.0	3.35	17.74	
12:44	14,020	22.58	3.51	248	1.07	0.0	3.34	17.74	
12:49	15,440	22.57	3.25	266	1.07	0.0	3.53	17.74	V = 15,040
12:54	17060	22.51	3.33	259	1.07	0.0	3.37	17.74	

1780

COMMENTS: | SAMPLE COLLECTION TIME: 12:57 | PREPARED BY: SHenry

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	24.5
Initial tubing depth (ft.) BTOC	22.5
Final tubing depth (ft.) BTOC	22.5
Initial pump speed	5.01
Time pump speed was initialized	11:51
Pump speed at flow into cylinder	5.12
Started new roll of tubing at	—
Three well volume (mL)	~17,000

+2

Increase pump speed to 7.16 at 12:12

Brown Sm on Horiba

Increase pump speed to 9.02 at 12:30

2,000 mL volume poured into bucket:

Time	11:47	12:00	12:13	12:22	12:30	12:37	12:44	12:50	
Cummulative Volume (mL)	2000	4000	6000	8000	10,000	12000	14000	16000	

Additional remarks: Sample Collected with 3 well volume reading

Bolt Plant broken, one stripped + need new VAM th

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-5D

DATE: 3/5/15	PROJECT NAME: GPA Bainbridge	PROJECT NO: 400007 - 4.5
WEATHER CONDITIONS: 65°F Rainy		
SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER		
WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER	BGS WELL SCREEN INTERVAL: 15.00 FT. to 25.00 FT.	
INITIAL WATER LEVEL (BTOC): 17.18 FT. TIME: 14:25	BTOC WELL SCREEN INTERVAL: 14.80 FT. to 24.80 FT.	
MEASURED TOTAL WELL DEPTH (**BGS**): 25.00 FT.	MEASURED TOTAL WELL DEPTH (BTOC) 24.88 FT.	FLUSH-TO-GRADE ~0.2 FT.
PURGING DEVICE: Pegasus Alexis Peristaltic Pump	[ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED	
SAMPLING DEVICE: 1/4" Teflon lined tubing	[ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED	
EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY		
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE		
CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED		
ANALYTICAL PARAMETERS: 8081 B		
LABORATORY PERFORMING ANALYSIS: Xenco	WATER ANALYZER MODEL: Horiba U-52	SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
14:37	0	22.87	3.38	266	1.82	0.0	4.91	17.18	
14:41	800	22.23	3.30	274	2.00	0.0	1.70	17.19	
14:47	1640	21.84	3.23	279	2.01	0.0	1.30	17.18	
14:52	2540	21.60	3.17	284	2.03	0.0	1.25	17.18	
14:57	3340	21.45	3.17	286	2.04	0.0	1.30	17.18	

COMMENTS:

SAMPLE COLLECTION TIME: 15:00

PREPARED BY: Daniel Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	25
Initial tubing depth (ft.) BTOC	~~25~~ 21
Final tubing depth (ft.) BTOC	21
Initial pump speed	5.04
Time pump speed was initialized	14:33
Pump speed at flow into cylinder	5.04
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	14:44								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-6

DATE: 3-4-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 78°F Mostly clear, NO wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 47.00 FT. to 52.00 FT.

INITIAL WATER LEVEL (BTOC): 23.29 FT. | TIME: 1715 | BTOC WELL SCREEN INTERVAL: 46.80 FT. to 51.80 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 52.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 51.81 FT. | FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
16:10	0	25.83	6.64	-15	1.24	54.0	1.65	23.83	Black, particulate
16:15	680	24.52	6.02	14	1.32	23.9	1.00	24.05	
16:20	1360	23.85	5.71	33	1.40	5.2	0.82	24.12	Bubbly
16:25	2100	23.32	5.98	14	1.47	15.9	0.60	24.16	
16:30	2720	23.22	5.94	16	1.51	16.7	0.61	24.16	
16:35	3460	23.04	5.73	30	1.55	15.3	0.56	24.16	
16:40	4020	22.68	5.82	23	1.57	20.4	0.51	24.16	
16:45	4700	22.54	5.82	28	1.58	22.5	0.51	24.16	
16:50	5340	22.71	5.64	41	1.59	25.8	0.49	24.14	
16:55	5206	22.56	5.60	46	1.61	31.8	0.46	24.14	
17:00	6600	22.52	5.69	43	1.61	2.7	0.45	24.14	

COMMENTS:

SAMPLE COLLECTION TIME: 17:02

PREPARED BY: Shelly

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	51 +2
Initial tubing depth (ft.) BTOC	49
Final tubing depth (ft.) BTOC	49
Initial pump speed	5.09
Time pump speed was initialized	16:05
Pump speed at flow into cylinder	5.11
Started new roll of tubing at	Yes
Three well volume (mL)	—

22 feet leftover
Stored for future use

2,000 mL volume poured into bucket:

Time	16:24	16:39	16:56						
Cummulative Volume (mL)	2000	4000	6200						

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-7

DATE: 3/4/15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 70°F Partly Cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 15.00 FT. to 26.00 FT.

INITIAL WATER LEVEL (BTOC): 18.69 FT. | TIME: 13:04 | BTOC WELL SCREEN INTERVAL: 14.50 FT. to 25.50 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 22.14 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 22.25 FT. | FLUSH-TO-GRADE 0.5 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
13:17	0	24.97	3.95	261	0.507	0.0	1.92	18.71	some particulate
13:22	720	24.67	3.90	291	0.513	0.0	1.34	18.71	in first pail
13:27	1460	24.30	7.89	286	0.517	0.0	1.25	18.71	
13:32	2200	23.72	7.91	288	0.529	0.0	1.25	18.71	

COMMENTS:

SAMPLE COLLECTION TIME: 13:26

PREPARED BY: S Hickey

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	~~20.5~~ +2 22.5 +2
Initial tubing depth (ft.) BTOC	~~18.5~~ 20.5
Final tubing depth (ft.) BTOC	2
Initial pump speed	5.02
Time pump speed was initialized	13:13
Pump speed at flow into cylinder	4.98
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	13:39								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

DATE: 3-5-15	PROJECT NAME: GPA Bainbridge	WELL/SAMPLE NO: MW-8
WEATHER CONDITIONS: Overcast Light wind 65°F		PROJECT NO: 400007 - 4.5

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 12.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 14.64 FT. TIME: 9:45

BTOC WELL SCREEN INTERVAL: 11.70 FT. to 22.70 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 23.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) 21.96 FT. FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
9:57	0	20.73	3.27	201	1.21	0.0	3.42	14.54	
10:02	800	21.14	3.30	226	1.23	0.0	1.92	14.64	
10:07	1600	21.50	3.29	236	1.22	0.0	1.48	14.64	
10:12	2400	21.74	3.25	244	1.22	0.0	1.31	14.64	

COMMENTS:

SAMPLE COLLECTION TIME: 10:15

PREPARED BY: SHelmy

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	23 +1
Initial tubing depth (ft.) BTOC	19
Final tubing depth (ft.) BTOC	19
Initial pump speed	501
Time pump speed was initialized	9:54
Pump speed at flow into cylinder	501
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	10:09								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-10

DATE: 3/5/15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 65°F little/no rain, cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 20.00 FT. to 30.00 FT.

INITIAL WATER LEVEL (BTOC): 20.75 FT. | TIME: 15:20 | BTOC WELL SCREEN INTERVAL: 20.10 FT. to 30.10 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 30.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 30.75 FT. | FLUSH-TO-GRADE +0.1 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
15:33	0	19.94	2.95	295	1.40	0.0	4.25	20.78	
15:38	920	19.95	3.13	292	1.46	0.0	2.75	20.84	
15:43	1700	20.04	3.16	292	1.44	0.0	2.26	20.86	
15:48	2400	20.05	3.11	297	1.43	0.0	2.03	20.89	

COMMENTS: | SAMPLE COLLECTION TIME: 15:56 w/ duplicate sample

PREPARED BY: Dawn Vargo

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	29.5
Initial tubing depth (ft.) BTOC	25.5
Final tubing depth (ft.) BTOC	25.5
Initial pump speed	5.04
Time pump speed was initialized	15:28
Pump speed at flow into cylinder	5.04
Started new roll of tubing at	—
Three well volume (mL)	—

+1

2,000 mL volume poured into bucket:

Time	15:55								
Cummulative Volume (mL)	2000								

Additional remarks: Collected duplicate sample

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-11

DATE: 3/2/15	PROJECT NAME: GPA Bainbridge	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Cloudy ~75° F ~~moist~~ Humid

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER — BGS WELL SCREEN INTERVAL: 17.00 FT. to 27.00 FT.

INITIAL WATER LEVEL (BTOC): 21.37 FT. TIME: 17:24 — BTOC WELL SCREEN INTERVAL: 16.70 FT. to 26.70 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 30.00 FT. — MEASURED TOTAL WELL DEPTH (BTOC) 27.5 FT. — FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco — WATER ANALYZER MODEL: Horiba U-52 — SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
1743	0	18.70	3.46	300	0.182	0.0	5.42	21.71	
17:48	760	18.49	3.44	313	0.186	0.0	5.00	21.71	
17:53	1520	18.48	3.40	320	0.182	0.0	4.80	21.71	
17:58	2240	18.46	3.44	320	0.181	0.0	4.68	21.71	

COMMENTS:

SAMPLE COLLECTION TIME: 18:03

PREPARED BY: David Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	27.5
Initial tubing depth (ft.) BTOC	25.5
Final tubing depth (ft.) BTOC	25.5
Initial pump speed	5.05
Time pump speed was initialized	17:38
Pump speed at flow into cylinder	5.05
Started new roll of tubing at	—
Three well volume (mL)	—

42

2,000 mL volume poured into bucket:

Time	17:56								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

DATE: 3-4-15	PROJECT NAME: GPA Bainbridge	WELL/SAMPLE NO: MW-12
WEATHER CONDITIONS: 68°F	rain when	Partly Cloudy
PROJECT NO: 400007 - 4.5		

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 12.00 FT. to 22.00 FT.

INITIAL WATER LEVEL (BTOC): ~~15.43~~ 15.40 FT. TIME: 17:43

BTOC WELL SCREEN INTERVAL: 11.75 FT. to 21.75 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 22.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) 22.53 FT. FLUSH-TO-GRADE ~0.25 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
17:55	0	24.51	6.13	79	0.790	0.0	2.63	15.41	
18:00	880	23.46	5.97	89	0.821	0.0	2.75	15.41	
18:05	1660	22.85	5.89	94	0.834	0.0	2.92	15.41	
18:10	2320	22.87	5.89	101	0.845	0.0	3.27	15.41	

COMMENTS:

SAMPLE COLLECTION TIME: 18:13

PREPARED BY: SHelwig

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	22
Initial tubing depth (ft.) BTOC	18.5
Final tubing depth (ft.) BTOC	18.5
Initial pump speed	5.10
Time pump speed was initialized	17:51
Pump speed at flow into cylinder	5.10
Started new roll of tubing at	—
Three well volume (mL)	—

+2 feet from new roll

— used up old roll extras

2,000 mL volume poured into bucket:

Time	18:08								
Cummulative Volume (mL)	2300								

Additional remarks:

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WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-13

DATE: 3-5-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: overcast low wind 65°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 12.00 FT. to 22.00 FT.

INITIAL WATER LEVEL (BTOC): 15.08 FT. | TIME: 7:57 | BTOC WELL SCREEN INTERVAL: 11.70 FT. to 21.70 FT.

MEASURED TOTAL WELL DEPTH (BGS): 21.75 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 22.03 FT. | FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
8:07	0	21.10	6.29	178	0.924	0.0	3.50	15.09	Clear, bubbly
8:13	960	19.26	4.41	235	0.933	0.0	2.23	15.09	
8:18	1880	18.94	4.12	257	0.932	0.0	1.98	15.09	
8:23	2640	19.27	4.46	235	0.929	0.0	1.91	15.09	
8:28	3540	18.67	4.22	229	0.926	0.0	1.89	15.09	
8:33	4390	18.62	4.43	175	0.924	0.0	1.93	15.09	
8:38	5220	18.53	4.26	163	0.924	0.0	1.87	15.09	
8:43	6180	18.37	4.47	120	0.928	0.0	1.77	15.09	
8:49	7120	18.26	4.27	125	0.932	0.0	1.69	15.09	
8:54	8080	18.26	4.40	111	0.928	0.0	1.63	15.08	
8:59	9760	18.32	4.31	96	0.929	0.0	1.59	15.09	
9:04	10,640	18.33	4.49	94	0.926	0.0	1.50	15.09	
9:09	12000	18.11	4.19	91	0.928	0.0	1.53	15.09	
9:14	13060	18.20	4.34	84	0.929	0.0	1.48	15.08	
9:19	14,580	18.20	4.53	68	0.924	0.0	1.45	15.09	

COMMENTS:

SAMPLE COLLECTION TIME: 9:22

PREPARED BY: S Helms

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	205 +2
Initial tubing depth (ft.) BTOC	18.5
Final tubing depth (ft.) BTOC	18.5
Initial pump speed	5.09
Time pump speed was initialized	8:04
Pump speed at flow into cylinder	5.05
Started new roll of tubing at	—
Three well volume (mL)	~13,000

8:50 increase pump speed to 7.12

2,000 mL volume poured into bucket:

Time	8:14	8:30	8:42	8:53	9:01	9:09	9:17		
Cummulative Volume (mL)	2,000	4000	6000	8,000	10,000	12000	14000		

Additional remarks: Sampled with 3 well volume reached

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WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-14

DATE: 3-4-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Mostly cloudy low wind 800's F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 67.00 FT. to 72.00 FT.

INITIAL WATER LEVEL (BTOC): 23.01 FT. | TIME: 13:58 | BTOC WELL SCREEN INTERVAL: 66.85 FT. to 71.85 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 72.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 71.50 FT. | FLUSH-TO-GRADE ~0.15 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
14:18	0	23.20	7.82	160	0.286	13.8	3.25	23.51	Tan, turbid, no odor
14:18	920	21.54	9.65	58	0.327	13.5	1.92	23.81	Yellow
14:23	1620	21.50	9.30	30	0.317	9.1	1.30	23.88	
14:28	2220	21.42	9.18	-2	0.293	5.6	0.86	23.93	
14:33	2940	21.56	9.36	-17	0.280	2.5	0.80	23.94	
14:38	3640	21.41	8.75	-23	0.272	1.7	0.70	23.94	
14:43	4360	21.53	8.97	-66	0.268	0.0	0.58	23.95	
14:48	5120	21.37	8.41	-35	0.263	0.2	0.57	23.96	
14:53	5850	21.22	8.03	-51	0.262	0.0	0.61	23.98	
14:58	6500	21.16	8.32	-154	0.261	0.0	0.61	23.95	
15:03	7200	21.24	8.12	-173	0.260	0.0	1.37	23.95	
15:08	7900	21.37	7.65	-165	0.259	0.0	2.16	23.96	
15:13	8600	21.32	8.05	-196	0.258	0.0	2.58	23.96	
15:18	9300	21.32	7.76	-184	0.256	0.0	2.81	23.95	
15:25	10,300	21.32	7.66	-182	0.252	0.0	2.77	23.96	PH = 7.76
15:30	11,080	21.41	7.67	-180	0.250	0.0	2.65	23.96	

COMMENTS:

SAMPLE COLLECTION TIME: 15:34

PREPARED BY: Staff

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	71
Initial tubing depth (ft.) BTOC	69
Final tubing depth (ft.) BTOC	69
Initial pump speed	5.07
Time pump speed was initialized	14:08
Pump speed at flow into cylinder	5.07
Started new roll of tubing at	—
Three well volume (mL)	—

#2

2,000 mL volume poured into bucket:

Time	14:26	14:40	14:56	15:10	15:29				
Cummulative Volume (mL)	2000	4000	6200	8100	10,200				

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-15

DATE: 3/4/15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 70°F Partly cloudy ≤5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 19.20 FT. | TIME: 10:53 | BTOC WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

MEASURED TOTAL WELL DEPTH (BGS): 21.51 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 21.51 FT. | FLUSH-TO-GRADE 0 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
11:05	0	22.82	5.11	157	2.55	2.2	1.69	19.26	
11:10	880	21.25	4.52	223	2.63	0.0	0.99	19.26	
11:15	1600	21.17	4.42	238	2.60	0.0	0.80	19.26	
11:20	2420	21.30	4.51	237	2.60	0.0	0.68	19.26	

COMMENTS:

SAMPLE COLLECTION TIME: 11:24

PREPARED BY: David Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	22.5
Initial tubing depth (ft.) BTOC	20.5
Final tubing depth (ft.) BTOC	20.5
Initial pump speed	5.06
Time pump speed was initialized	11:01
Pump speed at flow into cylinder	5.06
Started new roll of tubing at	—
Three well volume (mL)	—

x2

2,000 mL volume poured into bucket:

Time	11:17								
Cummulative Volume (mL)	2000								

Additional remarks: Area around Dad overgrown

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-16

DATE: 3/3/15	PROJECT NAME: GPA Bainbridge	PROJECT NO: 400007 - 4.5
WEATHER CONDITIONS: 70°F Sunny light wind/breeze (~5 mph N wind)		
SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER		
WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER	BGS WELL SCREEN INTERVAL: 14.00 FT. to 24.00 FT.	
INITIAL WATER LEVEL (BTOC): 17.93 FT. TIME: 17:31	BTOC WELL SCREEN INTERVAL: 13.80 FT. to 23.80 FT.	
MEASURED TOTAL WELL DEPTH (**BGS**): 24.00 FT.	MEASURED TOTAL WELL DEPTH (BTOC) 23.83 FT.	FLUSH-TO-GRADE ~0.2 FT.
PURGING DEVICE: Pegasus Alexis Peristaltic Pump	[ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED	
SAMPLING DEVICE: 1/4" Teflon lined tubing	[ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED	
EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY		
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE		
CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED		
ANALYTICAL PARAMETERS: 8081 B		
LABORATORY PERFORMING ANALYSIS: Xenco	WATER ANALYZER MODEL: Horiba U-52	SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
17:43	0	21.92	6.37	49	0.027	0.0	6.90	17.95	
17:48	760	21.91	4.80	104	0.025	0.0	6.24	17.95	
17:53	1580	21.35	4.53	100	0.025	0.0	6.03	17.95	
17:58	2400	20.97	4.61	168	0.025	0.0	6.36	17.95	
18:03	3210	20.72	4.53	183	0.025	0.0	6.34	17.95	

COMMENTS:

SAMPLE COLLECTION TIME: 18:06

PREPARED BY: David Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	23 ft
Initial tubing depth (ft.) BTOC	21
Final tubing depth (ft.) BTOC	21
Initial pump speed	5.07
Time pump speed was initialized	17:35
Pump speed at flow into cylinder	5:07
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	17:55								
Cummulative Volume (mL)	2000								

Additional remarks: Bailed water out of vault. cleaned gasket

ENVIRONMENTAL INTERNATIONAL CORPORATION

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WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-17

DATE: 3-3-15	PROJECT NAME: GPA Bainbridge	PROJECT NO: 400007 - 4.5
WEATHER CONDITIONS: 72°F Partly Cloudy, Light Wind		
SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER		
WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER	BGS WELL SCREEN INTERVAL: 50.00 FT. to 60.00 FT.	
INITIAL WATER LEVEL (BTOC): 14.53 FT. TIME: ~~12~~ 15:26	BTOC WELL SCREEN INTERVAL: 49.55 FT. to 59.55 FT.	
MEASURED TOTAL WELL DEPTH (**BGS**): 60.00 FT.	MEASURED TOTAL WELL DEPTH (BTOC) FT.	FLUSH-TO-GRADE ~0.45 FT.
PURGING DEVICE: Pegasus Alexis Peristaltic Pump	[ ] DEDICATED [ ] DISPOSABLE	[ ] DECONTAMINATED
SAMPLING DEVICE: 1/4" Teflon lined tubing	[ ] DEDICATED [X] DISPOSABLE	[ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
15:32	0	22.44	5.84	77	0.135	0.0	5.12	14.55	Tan Plug in FIRST pail
15:37	980	21.67	6.09	-21	0.263	0.0	1.48	14.56	
15:42	1960	21.27	5.96	-1	0.459	0.0	1.09	14.55	Tan Flat in Cylinder
15:47	2780	20.10	6.52	-32	0.489	0.0	0.94	14.56	
15:52	3720	19.97	6.58	-38	0.494	0.0	0.84	14.55	
15:58	4780	20.09	6.64	-43	0.493	0.0	0.74	14.55	
16:03	5720	20.12	6.53	-38	0.493	0.0	0.71	14.55	
16:09	6880	20.13	6.66	-48	0.493	0.0	0.67	14.55	
16:14	7840	20.11	6.48	-38	0.494	0.0	0.65	14.55	
16:19	8660	20.11	6.71	-53	0.495	0.0	0.62	14.55	
16:24	9600	20.12	6.48	-40	0.492	0.0	0.61	14.55	
16:29	10200	20.15	6.74	-56	0.496	0.0	0.58	14.55	
16:34	11020	20.12	6.66	-53	0.495	0.0	0.54	14.55	
16:40	12000	20.09	6.74	-58	0.496	0.0	0.52	14.55	

COMMENTS:

SAMPLE COLLECTION TIME: 16:42

PREPARED BY: S Fidmly

1640 +00

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	57
Initial tubing depth (ft.) BTOC	55
Final tubing depth (ft.) BTOC	55
Initial pump speed	5.03
Time pump speed was initialized	15:28
Pump speed at flow into cylinder	5.05
Started new roll of tubing at	—
Three well volume (mL)	—

+2

2,000 mL volume poured into bucket:

Time	15:42	15:54	16:04	16:16	16:28	16:40			
Cummulative Volume (mL)	2000	4000	6000	8000	10000	12060			

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-18

DATE: 3/4/15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 70°F ~5 mph wind Sunny / partly cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 16.57 FT. | TIME: 9:39 | BTOC WELL SCREEN INTERVAL: 21.60 FT. to 31.60 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 32.83 FT. | FLUSH-TO-GRADE ~0.4 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
9:50	0	20.74	6.15	188	1.42	16.9	2.29	16.56	
9:55	980	21.86	6.69	143	1.44	37.6	1.80	16.56	
10:00	1760	22.17	6.54	137	1.44	32.7	1.44	16.56	
10:05	2800	22.30	6.72	117	1.44	26.4	1.26	16.56	
10:10	3480	22.40	6.60	122	1.43	14.0	1.13	16.56	
10:15	4280	22.52	6.69	110	1.43	14.6	1.04	16.56	
10:20	5100	22.61	6.68	112	1.43	7.9	0.68	16.56	

COMMENTS:

SAMPLE COLLECTION TIME: 10:30

PREPARED BY: David Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	28.5
Initial tubing depth (ft.) BTOC	26.5
Final tubing depth (ft.) BTOC	26.5
Initial pump speed	5.03
Time pump speed was initialized	9:46
Pump speed at flow into cylinder	5.03
Started new roll of tubing at	
Three well volume (mL)	

+2 Matrix Spike Collected. -S.M

2,000 mL volume poured into bucket:

Time	10:01	10:14							
Cummulative Volume (mL)	2000	4200							

Additional remarks: Soft bottom of well no definitive hit to bottom

Matrix spike

ENVIRONMENTAL INTERNATIONAL CORPORATION

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WELL PURGING AND SAMPLING DATA LOG

		WELL/SAMPLE NO: MW-19
DATE: 3-9-15	PROJECT NAME: GPA Bainbridge	PROJECT NO: 400007 - 4.5
WEATHER CONDITIONS: Foggy/overcast 63°F low wind		
SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER		
WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER	BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.	
INITIAL WATER LEVEL (BTOC): 17.54 FT. TIME: 8:09	BTOC WELL SCREEN INTERVAL: 21.65 FT. to 31.65 FT.	
MEASURED TOTAL WELL DEPTH (**BGS**): 32.00 FT.	MEASURED TOTAL WELL DEPTH (BTOC) 32.43 FT.	FLUSH-TO-GRADE ~0.35 FT.
PURGING DEVICE: Pegasus Alexis Peristaltic Pump	[ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED	
SAMPLING DEVICE: 1/4" Teflon lined tubing	[ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED	
EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY		
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE		
CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED		
ANALYTICAL PARAMETERS: 8081 B		
LABORATORY PERFORMING ANALYSIS: Xenco	WATER ANALYZER MODEL: Horiba U-52	SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
8:21	0	19.96	4.95	234	1.16	283	1.96	17.54	water is cloudy
8:26	720	20.67	3.96	308	1.14	355	1.29	17.54	in cylinder
8:31	1580	20.91	3.86	324	1.14	375	1.03	17.54	Air bubble from well
8:36	2360	21.02	3.99	321	1.15	338	0.87	17.54	
8:41	3220	21.04	3.94	327	1.15	278	0.79	17.54	Bubbles still coming from
8:46	4000	21.07	3.83	328	1.15	220	0.72	17.54	well (Sporadic large)
8:51	4800	21.13	3.99	327	1.15	186	0.68	17.54	
1650 8:56	5620	21.13	3.85	336	1.14	155	0.64	17.54	
9:01	6500	21.13	3.99	328	1.14	130	0.61	17.54	
9:06	7380	21.14	3.93	333	1.14	105	0.59	17.54	
9:11	8100	21.20	3.95	331	1.13	98.1	0.58	17.54	Bubbles still present

COMMENTS:

SAMPLE COLLECTION TIME: ~~9:15~~ 9:15

PREPARED BY: David Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	29.5
Initial tubing depth (ft.) BTOC	26.5
Final tubing depth (ft.) BTOC	26.5
Initial pump speed	5.14
Time pump speed was initialized	~~8:19~~ 8:19
Pump speed at flow into cylinder	5-14
Started new roll of tubing at	—
Three well volume (mL)	—

+2

2,000 mL volume poured into bucket:

Time	8:33	8:46	8:58	~~8:9:10~~ 9:10					
Cummulative Volume (mL)	2000	4000	6000	8000					

Additional remarks: Air pressure build up when removing well cap
Bailed water out of vault. water was ~ 1" above TOC

ENVIRONMENTAL INTERNATIONAL CORPORATION

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WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-20

DATE: 3-4-19 - 3-5-19 PROJECT NAME: GPA Bainbridge PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Overcast, Light Wind, 60°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 17.28 FT. TIME: 17:48 BTOC WELL SCREEN INTERVAL: 21.75 FT. to 31.75 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 32.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) 32.39 FT. FLUSH-TO-GRADE ~0.25 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
17:59	0	16.60	3.14	301	2.418	0.0	8.27	17.28	
18:04	800	16.97	3.80	268	0.428	0.0	7.27	17.28	
18:09	1560	17.15	3.79	269	0.419	0.0	6.90	17.28	PH = 3.79
18:14	2100	17.56	3.69	274	0.442	0.0	6.61	17.28	PH = 3.69
18:19	2380	17.67	3.72	273	0.445	0.0	6.53	17.29	

COMMENTS:

SAMPLE COLLECTION TIME: 18:23

PREPARED BY: S Hamby

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	71
Initial tubing depth (ft.) BTOC	27
Final tubing depth (ft.) BTOC	27
Initial pump speed	5.08
Time pump speed was initialized	17:54
Pump speed at flow into cylinder	5.09
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	18:12								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-21

DATE: 3/5/15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 65°F little/no rain cloudy wl 5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 18.19 FT. | TIME: 16:21 | BTOC WELL SCREEN INTERVAL: 21.93 FT. to 31.93 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 31.50 FT. | FLUSH-TO-GRADE ~0.075 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
16:32	0	18.14	3.35	283	0.915	0.0	6.38	18.21	
16:37	760	14.04	3.63	276	0.997	0.0	5.16	18.21	
16:42	1480	19.11	3.76	271	0.965	0.0	4.80	18.21	
16:47	2200	19.17	3.70	275	0.930	0.0	4.64	18.21	
16:52	2920	19.15	3.64	277	0.941	0.0	4.44	18.21	
16:57	3560	19.16	3.854	282	0.978	0.0	4.00	18.21	
17:02	4200	19.04	3.51	296	1.07	0.0	3.43	18.21	
17:07	4880	19.02	3.44	289	1.09	0.0	4.34	18.21	
17:12	5780	19.04	3.44	290	1.12	0.0	4.37	18.21	
17:17	6300	19.01	3.54	282	1.11	0.0	4.09	18.21	

1580

COMMENTS:

SAMPLE COLLECTION TIME: 17:21

PREPARED BY: Daniel Georgius

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	31
Initial tubing depth (ft.) BTOC	27
Final tubing depth (ft.) BTOC	27
Initial pump speed	5.06
Time pump speed was initialized	16:28
Pump speed at flow into cylinder	5.06
Started new roll of tubing at	—
Three well volume (mL)	—

+1

2,000 mL volume poured into bucket:

Time	16:47	17:02	17:16						
Cummulative Volume (mL)	2200	4200	6200						

Additional remarks: Vault full of water. Bailed water out. Little air pressure in well

ENVIRONMENTAL INTERNATIONAL CORPORATION

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WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-22

DATE: 3/6/15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 40°F Cloudy 25 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 24.00 FT. to 34.00 FT.

INITIAL WATER LEVEL (BTOC): 19.60 FT. | TIME: 7:54 | BTOC WELL SCREEN INTERVAL: 23.80 FT. to 33.80 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 35.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 33.54 FT. | FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
8:08	0	18.14	3.86	230	0.673	139	3.41	19.63	
8:13	760	18.19	3.68	260	0.711	126	3.11	19.63	
8:18	1540	18.44	3.58	273	0.720	78.3	2.77	19.63	
8:23	2200	18.57	3.58	278	0.724	55.5	2.63	19.63	
8:28	2960	18.67	3.63	278	0.729	44.7	2.66	19.63	
8:33	3880	18.66	3.56	286	0.730	36.8	2.60	19.63	
~~8:38~~	~~4300~~	~~17.97~~	~~2.96~~	~~340~~	0.002	30.4	10.52		
8:42	4300	16.71	3.52	291	0.736	42.4	3.98	19.63	
8:47	4880	17.53	3.62	289	0.746	31.8	2.87	19.62	
8:52	5580	17.94	3.58	293	0.750	20.4	3.01	19.63	
8:57	6280	18.55	3.58	295	0.741	23.3	2.76		

COMMENTS:

SAMPLE COLLECTION TIME: 9:02 w/ matrix spike

PREPARED BY: Dawn Vargas

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	31
Initial tubing depth (ft.) BTOC	29
Final tubing depth (ft.) BTOC	29
Initial pump speed	5.0
Time pump speed was initialized	8:03
Pump speed at flow into cylinder	5.0
Started new roll of tubing at	—
Three well volume (mL)	—

x2

2,000 mL volume poured into bucket:

Time	8:21	8:36	8:55						
Cummulative Volume (mL)	2000	4100	6100						

Additional remarks: At 8:38 pump reversed & drained horiba

ENVIRONMENTAL INTERNATIONAL CORPORATION

PAGE 1 OF 1

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-23

DATE: 3-5-15 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: overcast (light drizzle) 65°F, low wind - needing wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 13.83 FT. to 23.83 FT.

INITIAL WATER LEVEL (BTOC): 14.89 FT. | TIME: 10:35 | BTOC WELL SCREEN INTERVAL: 13.83 FT. to 23.83 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 24.03 FT. | MEASURED TOTAL WELL DEPTH (BTOC): 24.00 FT. | FLUSH-TO-GRADE 0 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
10:46	0	21.20	4.38	193	1.43	0.0	2.92	14.88	Small amount of
10:51	940	23.15	4.47	181	1.42	0.0	1.52	14.89	plant matter / dirt
10:56	1880	23.12	4.48	179	1.43	0.0	1.34	14.89	
11:01	2660	23.11	4.47	179	1.47	0.0	0.93	14.89	

COMMENTS: | SAMPLE COLLECTION TIME: 11:05 | PREPARED BY: SHeum

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	29.5
Initial tubing depth (ft.) BTOC	19.5
Final tubing depth (ft.) BTOC	19.5
Initial pump speed	5.07
Time pump speed was initialized	10:43
Pump speed at flow into cylinder	5.12
Started new roll of tubing at	—
Three well volume (mL)	—

+ light drizzle at 10:35 Stopped mid way not enough to wet ground.

2,000 mL volume poured into bucket:

Time	10:57								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

DATE: 3-3-15	PROJECT NAME: GPA Bainbridge	WELL/SAMPLE NO: MW-24
		PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 75°F Clear no wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 12.11 FT. to 22.11 FT.

INITIAL WATER LEVEL (BTOC): 14.35 FT. TIME: 13:48

BTOC WELL SCREEN INTERVAL: 12.29 FT. to 22.29 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): FT. MEASURED TOTAL WELL DEPTH (BTOC): 22.6 22.81 FT. FLUSH-TO-GRADE 0.18 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY

[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B

LABORATORY PERFORMING ANALYSIS: Xenco WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
14:00	0	24.16	5.61	217	0.226	0.0	3.27	14.35	
14:05	800	23.40	5.62	214	0.225	0.0	2.51	14.36	
14:10	1780	22.20	5.35	230	0.225	0.0	2.45	14.35	
14:15	2640	21.36	5.54	215	0.224	0.0	2.45	14.35	
14:20	3780	21.05	5.72	201	0.216	0.0	2.47	14.35	
14:25	4180	21.02	5.67	202	0.215	0.0	2.45	14.35	
14:30	4990	20.52	5.61	202	0.209	0.0	2.44	14.35	
14:35	5820	20.69	5.47	207	0.208	0.0	2.36	14.35	
14:40	6580	20.67	5.67	194	0.208	0.0	2.32	14.35	
14:45	7420	20.80	5.67	193	0.211	0.0	2.33	14.35	
14:50	8100	20.85	5.72	191	0.214	0.0	2.19	14.37	

1420

COMMENTS:

SAMPLE COLLECTION TIME: 14:53

PREPARED BY: SHeavy

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the

Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	20.5
Initial tubing depth (ft.) BTOC	18.5
Final tubing depth (ft.) BTOC	19.5
Initial pump speed	5.02
Time pump speed was initialized	13:57
Pump speed at flow into cylinder	4.88
Started new roll of tubing at	—
Three well volume (mL)	—

12

2,000 mL volume poured into bucket:

Time	14:12	14:24	14:36	14:44					
Cummulative Volume (mL)	2000	4000	6000	8000					

Additional remarks:

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT G
MARCH 2015 GROUNDWATER ANALYTICAL RESULTS

Analytical Report 503521

for

Environmental International Corporation

Project Manager: Alan Sanders

GPA-Bainbridge

400007-4.5

21-APR-15

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-18), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

21-APR-15

Project Manager: **Alan Sanders**
Environmental International Corporation
161 Kimball Bridge Road, Suite 100
Alpharetta, GA 30009

Reference: XENCO Report No(s): **503521**
GPA-Bainbridge
Project Address: GA

Alan Sanders:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 503521. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 503521 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

J. Derek Rounsley
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	03-03-15 11:03		503521-001
MW-1A	W	03-03-15 12:07		503521-002
MW-2	W	03-02-15 16:37		503521-003
MW-3	W	03-03-15 08:44		503521-004
MW-4U	W	03-03-15 09:45		503521-005
MW-5A	W	03-03-15 12:57		503521-006
MW-5D	W	03-05-15 15:01		503521-007
MW-6	W	03-04-15 17:02		503521-008
MW-7	W	03-04-15 13:20		503521-009
MW-8	W	03-05-15 10:15		503521-010
MW-10	W	03-05-15 15:56		503521-011
MW-11	W	03-02-15 18:03		503521-012
MW-12	W	03-04-15 18:13		503521-013
MW-13	W	03-05-15 09:22		503521-014
MW-14	W	03-04-15 15:34		503521-015
MW-15	W	03-04-15 11:24		503521-016
MW-16	W	03-03-15 18:06		503521-017
MW-17	W	03-03-15 16:42		503521-018
MW-18	W	03-04-15 10:30		503521-019
MW-19	W	03-04-15 09:15		503521-020
MW-20	W	03-05-15 18:23		503521-021
MW-21	W	03-05-15 17:21		503521-022
MW-22	W	03-06-15 09:02		503521-023
MW-23	W	03-05-15 11:05		503521-024
MW-24	W	03-03-15 14:53		503521-025
Equipment Blank	W	03-06-15 09:41		503521-026
MW-10 (Duplicate)	W	03-05-15 15:56		503521-027

Sample receipt non conformances and comments:

This revised report replaces the original report submitted on March 15, 2015. The report was revised to add the following case narrative statements. No other changes were made to this report.

Sample MW-11 (503521-012) was extracted 1 day outside of the recommended sample holding time. The results are comparable to historical results for this sample.

Sample ID Equipment Blank (503521-026) had positive results above the MDL but below the RL for Beta-BHC and Delta-BHC. The percent difference between the column 1 and column 2 was >25% indicating a potential bias for these results.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-963558 Organochlorine Pesticides by SW-846 8081B
Beta-BHC , Delta-BHC , Endosulfan Sulfate, Endrin Aldehyde, Endrin Ketone RPD was outside laboratory control limits. Individual Spike recoveries are within lab control limits.
Samples in the analytical batch are: 503521-001, -002, -003, -004, -005, -006, -007, -008, -009

Batch: LBA-963662 Organochlorine Pesticides by SW-846 8081B
Beta-BHC , Delta-BHC , Endosulfan Sulfate, Endrin Aldehyde, Endrin Ketone RPD was outside laboratory control limits. Individual Spike Recoveries are within laboratory control limtis.
Samples in the analytical batch are: 503521-010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-1** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-001 Date Collected: 03.03.15 11.03

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.11.15 23.22	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.11.15 23.22	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.11.15 23.22	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.11.15 23.22	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.11.15 23.22	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.11.15 23.22	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	03.11.15 23.22	UF	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.11.15 23.22	UF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.11.15 23.22	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.11.15 23.22	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.11.15 23.22	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.11.15 23.22	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.11.15 23.22	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.11.15 23.22	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.11.15 23.22	UF	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.11.15 23.22	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.11.15 23.22	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.11.15 23.22	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.11.15 23.22	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.11.15 23.22	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.11.15 23.22	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.11.15 23.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	54	%	27-135	03.11.15 23.22	
Decachlorobiphenyl	2051-24-3	89	%	26-154	03.11.15 23.22	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-1A** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-002 Date Collected: 03.03.15 12.07

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.11.15 23.42	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.11.15 23.42	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.11.15 23.42	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.11.15 23.42	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.11.15 23.42	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.11.15 23.42	U	1
Beta-BHC	319-85-7	**0.0214**	0.0500	0.00230	ug/L	03.11.15 23.42	JF	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.11.15 23.42	UF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.11.15 23.42	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.11.15 23.42	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.11.15 23.42	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.11.15 23.42	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.11.15 23.42	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.11.15 23.42	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.11.15 23.42	UF	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.11.15 23.42	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.11.15 23.42	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.11.15 23.42	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.11.15 23.42	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.11.15 23.42	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.11.15 23.42	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.11.15 23.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	59	%	27-135	03.11.15 23.42	
Decachlorobiphenyl	2051-24-3	88	%	26-154	03.11.15 23.42	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-2** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-003 Date Collected: 03.02.15 16.37

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 00.02	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 00.02	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 00.02	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 00.02	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 00.02	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 00.02	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	03.12.15 00.02	UF	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.12.15 00.02	UF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 00.02	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 00.02	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 00.02	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 00.02	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 00.02	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 00.02	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 00.02	UF	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.12.15 00.02	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 00.02	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 00.02	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 00.02	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 00.02	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 00.02	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 00.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	60	%	27-135	03.12.15 00.02	
Decachlorobiphenyl	2051-24-3	87	%	26-154	03.12.15 00.02	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-3** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-004 Date Collected: 03.03.15 08.44

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 00.22	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 00.22	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 00.22	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 00.22	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 00.22	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 00.22	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	03.12.15 00.22	UF	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.12.15 00.22	UF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 00.22	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 00.22	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 00.22	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 00.22	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 00.22	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 00.22	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 00.22	UF	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.12.15 00.22	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 00.22	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 00.22	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 00.22	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 00.22	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 00.22	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 00.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	44	%	27-135	03.12.15 00.22	
Decachlorobiphenyl	2051-24-3	93	%	26-154	03.12.15 00.22	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-4U** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-005 Date Collected: 03.03.15 09.45

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 00.43	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 00.43	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 00.43	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 00.43	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 00.43	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 00.43	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	03.12.15 00.43	UF	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.12.15 00.43	UF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 00.43	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 00.43	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 00.43	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 00.43	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 00.43	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 00.43	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 00.43	UF	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.12.15 00.43	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 00.43	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 00.43	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 00.43	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 00.43	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 00.43	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 00.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	39	%	27-135	03.12.15 00.43	
Decachlorobiphenyl	2051-24-3	90	%	26-154	03.12.15 00.43	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-5A** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-006 Date Collected: 03.03.15 12.57

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 01.03	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 01.03	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 01.03	U	1
Aldrin	309-00-2	**0.0219**	0.0500	0.00260	ug/L	03.12.15 01.03		1
Alpha-BHC	319-84-6	**0.0616**	0.0500	0.0101	ug/L	03.12.15 01.03		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 01.03	U	1
Beta-BHC	319-85-7	**1.63**	0.250	0.0115	ug/L	03.12.15 12.27	DF	5
Delta-BHC	319-86-8	**0.255**	0.0500	0.00200	ug/L	03.12.15 01.03	F	1
Dieldrin	60-57-1	**1.80**	0.100	0.00430	ug/L	03.12.15 01.03		1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 01.03	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 01.03	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 01.03	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 01.03	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 01.03	UF	1
Endrin Ketone	53494-70-5	**0.0700**	0.100	0.00450	ug/L	03.12.15 01.03	JF	1
Gamma-BHC (Lindane)	58-89-9	**0.0545**	0.0500	0.00160	ug/L	03.12.15 01.03		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 01.03	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 01.03	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 01.03	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 01.03	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 01.03	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 01.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	51	%	27-135	03.12.15 01.03	
Decachlorobiphenyl	2051-24-3	93	%	26-154	03.12.15 01.03	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-5D** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-007 Date Collected: 03.05.15 15.01

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 01.23	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 01.23	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 01.23	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 01.23	U	1
Alpha-BHC	319-84-6	**0.145**	0.0500	0.0101	ug/L	03.12.15 01.23		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 01.23	U	1
Beta-BHC	319-85-7	**4.47**	1.00	0.0460	ug/L	03.12.15 12.47	DF	20
Delta-BHC	319-86-8	**1.77**	1.00	0.0400	ug/L	03.12.15 12.47	DF	20
Dieldrin	60-57-1	**0.0801**	0.100	0.00430	ug/L	03.12.15 01.23	J	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 01.23	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 01.23	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 01.23	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 01.23	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 01.23	UF	1
Endrin Ketone	53494-70-5	**0.0204**	0.100	0.00450	ug/L	03.12.15 01.23	JF	1
Gamma-BHC (Lindane)	58-89-9	**0.143**	0.0500	0.00160	ug/L	03.12.15 01.23		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 01.23	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 01.23	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 01.23	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 01.23	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 01.23	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 01.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	41	%	27-135	03.12.15 01.23	
Decachlorobiphenyl	2051-24-3	87	%	26-154	03.12.15 01.23	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-6** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-008 Date Collected: 03.04.15 17.02

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 01.43	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 01.43	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 01.43	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 01.43	U	1
Alpha-BHC	319-84-6	**0.348**	0.0500	0.0101	ug/L	03.12.15 01.43		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 01.43	U	1
Beta-BHC	319-85-7	**0.594**	0.0500	0.00230	ug/L	03.12.15 01.43	F	1
Delta-BHC	319-86-8	**1.17**	0.250	0.0100	ug/L	03.12.15 13.07	DF	5
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 01.43	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 01.43	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 01.43	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 01.43	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 01.43	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 01.43	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 01.43	UF	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.12.15 01.43	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 01.43	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 01.43	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 01.43	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 01.43	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 01.43	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 01.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	43	%	27-135	03.12.15 01.43	
Decachlorobiphenyl	2051-24-3	92	%	26-154	03.12.15 01.43	

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Sample Id: **MW-7** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-009 Date Collected: 03.04.15 13.20

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.08.15 14.00

Seq Number: 963558

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 02.03	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 02.03	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 02.03	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 02.03	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 02.03	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 02.03	U	1
Beta-BHC	319-85-7	**0.427**	0.0500	0.00230	ug/L	03.12.15 02.03	F	1
Delta-BHC	319-86-8	**0.0132**	0.0500	0.00200	ug/L	03.12.15 02.03	JF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 02.03	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 02.03	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 02.03	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 02.03	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 02.03	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 02.03	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 02.03	UF	1
Gamma-BHC (Lindane)	58-89-9	**0.0334**	0.0500	0.00160	ug/L	03.12.15 02.03	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 02.03	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 02.03	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 02.03	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 02.03	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 02.03	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 02.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	38	%	27-135	03.12.15 02.03	
Decachlorobiphenyl	2051-24-3	91	%	26-154	03.12.15 02.03	

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Environmental International Corporation, Alpharetta, GA

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Sample Id: **MW-8** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-010 Date Collected: 03.05.15 10.15

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 18.12	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 18.12	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 18.12	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 18.12	U	1
Alpha-BHC	319-84-6	**0.0131**	0.0500	0.0101	ug/L	03.12.15 18.12	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 18.12	U	1
Beta-BHC	319-85-7	**0.542**	0.0500	0.00230	ug/L	03.12.15 18.12	F	1
Delta-BHC	319-86-8	**0.0231**	0.0500	0.00200	ug/L	03.12.15 18.12	JF	1
Dieldrin	60-57-1	**0.00710**	0.100	0.00430	ug/L	03.12.15 18.12	J	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 18.12	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 18.12	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 18.12	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 18.12	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 18.12	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 18.12	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0108**	0.0500	0.00160	ug/L	03.12.15 18.12	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 18.12	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 18.12	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 18.12	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 18.12	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 18.12	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 18.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	44	%	27-135	03.12.15 18.12	
Decachlorobiphenyl	2051-24-3	87	%	26-154	03.12.15 18.12	

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Environmental International Corporation, Alpharetta, GA

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Sample Id: **MW-10** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-011 Date Collected: 03.05.15 15.56

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 18.33	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 18.33	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 18.33	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 18.33	U	1
Alpha-BHC	319-84-6	**0.243**	0.0500	0.0101	ug/L	03.12.15 18.33		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 18.33	U	1
Beta-BHC	319-85-7	**4.75**	1.00	0.0460	ug/L	03.13.15 12.58	DF	20
Delta-BHC	319-86-8	**0.294**	0.0500	0.00200	ug/L	03.12.15 18.33	F	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 18.33	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 18.33	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 18.33	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 18.33	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 18.33	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 18.33	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 18.33	U	1
Gamma-BHC (Lindane)	58-89-9	**0.111**	0.0500	0.00160	ug/L	03.12.15 18.33		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 18.33	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 18.33	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 18.33	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 18.33	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 18.33	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 18.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	44	%	27-135	03.12.15 18.33	
Decachlorobiphenyl	2051-24-3	86	%	26-154	03.12.15 18.33	

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Environmental International Corporation, Alpharetta, GA

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Sample Id: **MW-11** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-012 Date Collected: 03.02.15 18.03

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 18.53	UK	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 18.53	UK	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 18.53	UK	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 18.53	UK	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 18.53	UK	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 18.53	UK	1
Beta-BHC	319-85-7	**0.0108**	0.0500	0.00230	ug/L	03.12.15 18.53	JKF	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.12.15 18.53	UKF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 18.53	UK	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 18.53	UK	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 18.53	UK	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 18.53	UKF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 18.53	UK	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 18.53	UKF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 18.53	UK	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.12.15 18.53	UK	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 18.53	UK	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 18.53	UK	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 18.53	UK	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 18.53	UK	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 18.53	UK	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 18.53	UK	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	50	%	27-135	03.12.15 18.53	
Decachlorobiphenyl	2051-24-3	83	%	26-154	03.12.15 18.53	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-12** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-013 Date Collected: 03.04.15 18.13

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 19.13	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 19.13	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 19.13	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 19.13	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 19.13	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 19.13	U	1
Beta-BHC	319-85-7	**0.0860**	0.0500	0.00230	ug/L	03.12.15 19.13	F	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.12.15 19.13	UF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 19.13	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 19.13	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 19.13	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 19.13	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 19.13	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 19.13	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 19.13	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00330**	0.0500	0.00160	ug/L	03.12.15 19.13	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 19.13	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 19.13	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 19.13	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 19.13	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 19.13	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 19.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	35	%	27-135	03.12.15 19.13	
Decachlorobiphenyl	2051-24-3	87	%	26-154	03.12.15 19.13	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-13** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-014 Date Collected: 03.05.15 09.22

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 19.33	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 19.33	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 19.33	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 19.33	U	1
Alpha-BHC	319-84-6	**0.0206**	0.0500	0.0101	ug/L	03.12.15 19.33	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 19.33	U	1
Beta-BHC	319-85-7	**3.29**	0.500	0.0230	ug/L	03.13.15 15.20	DF	10
Delta-BHC	319-86-8	**0.101**	0.0500	0.00200	ug/L	03.12.15 19.33	F	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 19.33	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 19.33	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 19.33	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 19.33	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 19.33	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 19.33	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 19.33	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0507**	0.0500	0.00160	ug/L	03.12.15 19.33		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 19.33	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 19.33	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 19.33	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 19.33	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 19.33	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 19.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	53	%	27-135	03.12.15 19.33	
Decachlorobiphenyl	2051-24-3	87	%	26-154	03.12.15 19.33	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-14** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-015 Date Collected: 03.04.15 15.34

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 19.53	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 19.53	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 19.53	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 19.53	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 19.53	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 19.53	U	1
Beta-BHC	319-85-7	**0.179**	0.0500	0.00230	ug/L	03.12.15 19.53	F	1
Delta-BHC	319-86-8	**0.00260**	0.0500	0.00200	ug/L	03.12.15 19.53	JF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 19.53	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 19.53	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 19.53	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 19.53	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 19.53	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 19.53	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 19.53	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.12.15 19.53	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 19.53	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 19.53	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 19.53	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 19.53	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 19.53	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 19.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	68	%	27-135	03.12.15 19.53	
Decachlorobiphenyl	2051-24-3	93	%	26-154	03.12.15 19.53	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-15** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-016 Date Collected: 03.04.15 11.24

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.101	0.00374	ug/L	03.12.15 20.13	U	1
4,4-DDE	72-55-9	U	0.101	0.00354	ug/L	03.12.15 20.13	U	1
4,4-DDT	50-29-3	U	0.101	0.00495	ug/L	03.12.15 20.13	U	1
Aldrin	309-00-2	U	0.0505	0.00263	ug/L	03.12.15 20.13	U	1
Alpha-BHC	319-84-6	**0.0496**	0.0505	0.0102	ug/L	03.12.15 20.13	J	1
Alpha-Chlordane	5103-71-9	U	0.0505	0.00222	ug/L	03.12.15 20.13	U	1
Beta-BHC	319-85-7	**0.262**	0.0505	0.00232	ug/L	03.12.15 20.13	F	1
Delta-BHC	319-86-8	**0.00778**	0.0505	0.00202	ug/L	03.12.15 20.13	JF	1
Dieldrin	60-57-1	U	0.101	0.00434	ug/L	03.12.15 20.13	U	1
Endosulfan I	959-98-8	U	0.0505	0.00242	ug/L	03.12.15 20.13	U	1
Endosulfan II	33213-65-9	U	0.101	0.00455	ug/L	03.12.15 20.13	U	1
Endosulfan Sulfate	1031-07-8	U	0.101	0.00707	ug/L	03.12.15 20.13	UF	1
Endrin	72-20-8	U	0.101	0.00465	ug/L	03.12.15 20.13	U	1
Endrin Aldehyde	7421-93-4	U	0.101	0.00869	ug/L	03.12.15 20.13	UF	1
Endrin Ketone	53494-70-5	U	0.101	0.00455	ug/L	03.12.15 20.13	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0339**	0.0505	0.00162	ug/L	03.12.15 20.13	J	1
Gamma-Chlordane	5103-74-2	U	0.0505	0.00182	ug/L	03.12.15 20.13	U	1
Heptachlor	76-44-8	U	0.0505	0.00293	ug/L	03.12.15 20.13	U	1
Heptachlor Epoxide	1024-57-3	U	0.0505	0.00283	ug/L	03.12.15 20.13	U	1
Methoxychlor	72-43-5	U	0.505	0.0291	ug/L	03.12.15 20.13	U	1
Chlordane	12789-03-6	U	0.505	0.0973	ug/L	03.12.15 20.13	U	1
Toxaphene	8001-35-2	U	2.53	0.428	ug/L	03.12.15 20.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	49	%	27-135	03.12.15 20.13	
Decachlorobiphenyl	2051-24-3	83	%	26-154	03.12.15 20.13	

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Sample Id: **MW-16** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-017 Date Collected: 03.03.15 18.06

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	03.12.15 20.34	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	03.12.15 20.34	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	03.12.15 20.34	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	03.12.15 20.34	U	1
Alpha-BHC	319-84-6	U	0.0495	0.0100	ug/L	03.12.15 20.34	U	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	03.12.15 20.34	U	1
Beta-BHC	319-85-7	U	0.0495	0.00228	ug/L	03.12.15 20.34	UF	1
Delta-BHC	319-86-8	U	0.0495	0.00198	ug/L	03.12.15 20.34	UF	1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	03.12.15 20.34	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	03.12.15 20.34	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	03.12.15 20.34	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	03.12.15 20.34	UF	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	03.12.15 20.34	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	03.12.15 20.34	UF	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	03.12.15 20.34	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0495	0.00158	ug/L	03.12.15 20.34	U	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	03.12.15 20.34	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	03.12.15 20.34	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	03.12.15 20.34	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	03.12.15 20.34	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	03.12.15 20.34	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	03.12.15 20.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	38	%	27-135	03.12.15 20.34	
Decachlorobiphenyl	2051-24-3	84	%	26-154	03.12.15 20.34	

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Sample Id: **MW-17** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-018 Date Collected: 03.03.15 16.42

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 20.54	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 20.54	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 20.54	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 20.54	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.12.15 20.54	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 20.54	U	1
Beta-BHC	319-85-7	**0.357**	0.0500	0.00230	ug/L	03.12.15 20.54	F	1
Delta-BHC	319-86-8	**0.0849**	0.0500	0.00200	ug/L	03.12.15 20.54	F	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 20.54	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 20.54	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 20.54	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 20.54	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 20.54	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 20.54	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 20.54	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00600**	0.0500	0.00160	ug/L	03.12.15 20.54	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 20.54	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 20.54	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 20.54	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 20.54	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 20.54	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 20.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	46	%	27-135	03.12.15 20.54	
Decachlorobiphenyl	2051-24-3	92	%	26-154	03.12.15 20.54	

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Environmental International Corporation, Alpharetta, GA

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Sample Id: **MW-18** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-019 Date Collected: 03.04.15 10.30

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	03.12.15 21.14	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	03.12.15 21.14	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	03.12.15 21.14	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	03.12.15 21.14	U	1
Alpha-BHC	319-84-6	U	0.0495	0.0100	ug/L	03.12.15 21.14	U	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	03.12.15 21.14	U	1
Beta-BHC	319-85-7	**0.111**	0.0495	0.00228	ug/L	03.12.15 21.14	F	1
Delta-BHC	319-86-8	U	0.0495	0.00198	ug/L	03.12.15 21.14	UF	1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	03.12.15 21.14	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	03.12.15 21.14	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	03.12.15 21.14	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	03.12.15 21.14	UF	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	03.12.15 21.14	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	03.12.15 21.14	UF	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	03.12.15 21.14	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0495	0.00158	ug/L	03.12.15 21.14	U	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	03.12.15 21.14	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	03.12.15 21.14	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	03.12.15 21.14	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	03.12.15 21.14	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	03.12.15 21.14	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	03.12.15 21.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	34	%	27-135	03.12.15 21.14	
Decachlorobiphenyl	2051-24-3	89	%	26-154	03.12.15 21.14	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-19** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-020 Date Collected: 03.04.15 09.15

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.101	0.00372	ug/L	03.12.15 22.35	U	1
4,4-DDE	72-55-9	U	0.101	0.00352	ug/L	03.12.15 22.35	U	1
4,4-DDT	50-29-3	U	0.101	0.00492	ug/L	03.12.15 22.35	U	1
Aldrin	309-00-2	U	0.0503	0.00261	ug/L	03.12.15 22.35	U	1
Alpha-BHC	319-84-6	U	0.0503	0.0102	ug/L	03.12.15 22.35	U	1
Alpha-Chlordane	5103-71-9	U	0.0503	0.00221	ug/L	03.12.15 22.35	U	1
Beta-BHC	319-85-7	**0.0288**	0.0503	0.00231	ug/L	03.12.15 22.35	JF	1
Delta-BHC	319-86-8	**0.0175**	0.0503	0.00201	ug/L	03.12.15 22.35	JF	1
Dieldrin	60-57-1	U	0.101	0.00432	ug/L	03.12.15 22.35	U	1
Endosulfan I	959-98-8	U	0.0503	0.00241	ug/L	03.12.15 22.35	U	1
Endosulfan II	33213-65-9	U	0.101	0.00452	ug/L	03.12.15 22.35	U	1
Endosulfan Sulfate	1031-07-8	U	0.101	0.00704	ug/L	03.12.15 22.35	UF	1
Endrin	72-20-8	U	0.101	0.00462	ug/L	03.12.15 22.35	U	1
Endrin Aldehyde	7421-93-4	U	0.101	0.00864	ug/L	03.12.15 22.35	UF	1
Endrin Ketone	53494-70-5	U	0.101	0.00452	ug/L	03.12.15 22.35	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00784**	0.0503	0.00161	ug/L	03.12.15 22.35	J	1
Gamma-Chlordane	5103-74-2	U	0.0503	0.00181	ug/L	03.12.15 22.35	U	1
Heptachlor	76-44-8	U	0.0503	0.00291	ug/L	03.12.15 22.35	U	1
Heptachlor Epoxide	1024-57-3	U	0.0503	0.00281	ug/L	03.12.15 22.35	U	1
Methoxychlor	72-43-5	U	0.503	0.0289	ug/L	03.12.15 22.35	U	1
Chlordane	12789-03-6	U	0.503	0.0968	ug/L	03.12.15 22.35	U	1
Toxaphene	8001-35-2	U	2.51	0.425	ug/L	03.12.15 22.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	37	%	27-135	03.12.15 22.35	
Decachlorobiphenyl	2051-24-3	86	%	26-154	03.12.15 22.35	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-20** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-021 Date Collected: 03.05.15 18.23

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 22.55	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 22.55	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 22.55	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 22.55	U	1
Alpha-BHC	319-84-6	**0.0106**	0.0500	0.0101	ug/L	03.12.15 22.55	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 22.55	U	1
Beta-BHC	319-85-7	**4.71**	1.00	0.0460	ug/L	03.13.15 13.39	DF	20
Delta-BHC	319-86-8	**0.0521**	0.0500	0.00200	ug/L	03.12.15 22.55	F	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 22.55	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 22.55	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 22.55	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 22.55	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 22.55	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 22.55	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 22.55	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0171**	0.0500	0.00160	ug/L	03.12.15 22.55	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 22.55	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 22.55	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 22.55	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 22.55	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 22.55	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 22.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	41	%	27-135	03.12.15 22.55	
Decachlorobiphenyl	2051-24-3	80	%	26-154	03.12.15 22.55	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-21** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-022 Date Collected: 03.05.15 17.21

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 23.15	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 23.15	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 23.15	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 23.15	U	1
Alpha-BHC	319-84-6	**0.0809**	0.0500	0.0101	ug/L	03.12.15 23.15		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 23.15	U	1
Beta-BHC	319-85-7	**3.44**	0.500	0.0230	ug/L	03.13.15 13.59	DF	10
Delta-BHC	319-86-8	**0.283**	0.0500	0.00200	ug/L	03.12.15 23.15	F	1
Dieldrin	60-57-1	**0.0209**	0.100	0.00430	ug/L	03.12.15 23.15	J	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 23.15	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 23.15	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 23.15	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 23.15	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 23.15	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 23.15	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0880**	0.0500	0.00160	ug/L	03.12.15 23.15		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 23.15	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 23.15	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 23.15	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 23.15	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 23.15	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 23.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	47	%	27-135	03.12.15 23.15	
Decachlorobiphenyl	2051-24-3	88	%	26-154	03.12.15 23.15	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-22** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-023 Date Collected: 03.06.15 09.02

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 23.35	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 23.35	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 23.35	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 23.35	U	1
Alpha-BHC	319-84-6	**0.477**	0.0500	0.0101	ug/L	03.12.15 23.35		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 23.35	U	1
Beta-BHC	319-85-7	**21.6**	2.50	0.115	ug/L	03.13.15 14.19	DF	50
Delta-BHC	319-86-8	**9.53**	2.50	0.100	ug/L	03.13.15 14.19	DF	50
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 23.35	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 23.35	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 23.35	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 23.35	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 23.35	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 23.35	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 23.35	U	1
Gamma-BHC (Lindane)	58-89-9	**0.204**	0.0500	0.00160	ug/L	03.12.15 23.35		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 23.35	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 23.35	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 23.35	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 23.35	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 23.35	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 23.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	52	%	27-135	03.12.15 23.35	
Decachlorobiphenyl	2051-24-3	93	%	26-154	03.12.15 23.35	

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Environmental International Corporation, Alpharetta, GA

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Sample Id: **MW-23** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-024 Date Collected: 03.05.15 11.05

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.12.15 23.55	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.12.15 23.55	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.12.15 23.55	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.12.15 23.55	U	1
Alpha-BHC	319-84-6	**0.0189**	0.0500	0.0101	ug/L	03.12.15 23.55	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.12.15 23.55	U	1
Beta-BHC	319-85-7	**4.63**	1.00	0.0460	ug/L	03.13.15 14.39	DF	20
Delta-BHC	319-86-8	**0.0316**	0.0500	0.00200	ug/L	03.12.15 23.55	JF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.12.15 23.55	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.12.15 23.55	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.12.15 23.55	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.12.15 23.55	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.12.15 23.55	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.12.15 23.55	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.12.15 23.55	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0528**	0.0500	0.00160	ug/L	03.12.15 23.55		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.12.15 23.55	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.12.15 23.55	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.12.15 23.55	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.12.15 23.55	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.12.15 23.55	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.12.15 23.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	60	%	27-135	03.12.15 23.55	
Decachlorobiphenyl	2051-24-3	85	%	26-154	03.12.15 23.55	

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Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-24** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-025 Date Collected: 03.03.15 14.53

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: CLAR Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.13.15 00.16	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.13.15 00.16	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.13.15 00.16	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.13.15 00.16	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.13.15 00.16	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.13.15 00.16	U	1
Beta-BHC	319-85-7	**0.00410**	0.0500	0.00230	ug/L	03.13.15 00.16	JF	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	03.13.15 00.16	UF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.13.15 00.16	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.13.15 00.16	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.13.15 00.16	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.13.15 00.16	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.13.15 00.16	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.13.15 00.16	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.13.15 00.16	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.13.15 00.16	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.13.15 00.16	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.13.15 00.16	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.13.15 00.16	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.13.15 00.16	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.13.15 00.16	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.13.15 00.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	45	%	27-135	03.13.15 00.16	
Decachlorobiphenyl	2051-24-3	88	%	26-154	03.13.15 00.16	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **Equipment Blank** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-026 Date Collected: 03.06.15 09.41

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.13.15 00.36	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.13.15 00.36	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.13.15 00.36	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.13.15 00.36	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	03.13.15 00.36	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.13.15 00.36	U	1
Beta-BHC	319-85-7	**0.00710**	0.0500	0.00230	ug/L	03.13.15 00.36	JF	1
Delta-BHC	319-86-8	**0.00340**	0.0500	0.00200	ug/L	03.13.15 00.36	JF	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.13.15 00.36	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.13.15 00.36	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.13.15 00.36	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.13.15 00.36	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.13.15 00.36	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.13.15 00.36	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.13.15 00.36	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	03.13.15 00.36	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.13.15 00.36	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.13.15 00.36	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.13.15 00.36	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.13.15 00.36	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.13.15 00.36	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.13.15 00.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	40	%	27-135	03.13.15 00.36	
Decachlorobiphenyl	2051-24-3	93	%	26-154	03.13.15 00.36	

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-10 (Duplicate)** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-027 Date Collected: 03.05.15 15.56

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.13.15 00.56	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.13.15 00.56	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.13.15 00.56	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.13.15 00.56	U	1
Alpha-BHC	319-84-6	**0.197**	0.0500	0.0101	ug/L	03.13.15 00.56		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.13.15 00.56	U	1
Beta-BHC	319-85-7	**4.91**	1.00	0.0460	ug/L	03.13.15 14.59	DF	20
Delta-BHC	319-86-8	**0.295**	0.0500	0.00200	ug/L	03.13.15 00.56	F	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.13.15 00.56	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.13.15 00.56	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.13.15 00.56	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.13.15 00.56	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.13.15 00.56	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.13.15 00.56	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.13.15 00.56	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0917**	0.0500	0.00160	ug/L	03.13.15 00.56		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.13.15 00.56	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.13.15 00.56	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.13.15 00.56	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.13.15 00.56	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.13.15 00.56	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.13.15 00.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	44	%	27-135	03.13.15 00.56	
Decachlorobiphenyl	2051-24-3	94	%	26-154	03.13.15 00.56	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 503521

Environmental International Corporation

GPA-Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 963558 Matrix: Water Date Prep: 03.08.15

MB Sample Id: 689574-1-BLK LCS Sample Id: 689574-1-BKS LCSD Sample Id: 689574-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.394	79	0.342	68	20-152	14	30	ug/L	03.11.15 18:40	
4,4-DDE	<0.00350	0.500	0.386	77	0.364	73	18-147	6	30	ug/L	03.11.15 18:40	
4,4-DDT	<0.00490	0.500	0.387	77	0.355	71	18-164	9	30	ug/L	03.11.15 18:40	
Aldrin	<0.00260	0.500	0.291	58	0.310	62	11-131	6	30	ug/L	03.11.15 18:40	
Alpha-BHC	<0.0101	0.500	0.322	64	0.277	55	24-141	15	30	ug/L	03.11.15 18:40	
Alpha-Chlordane	<0.00220	0.500	0.382	76	0.349	70	37-135	9	30	ug/L	03.11.15 18:40	
Beta-BHC	<0.00230	0.500	0.336	67	0.173	35	12-162	64	30	ug/L	03.11.15 18:40	F
Delta-BHC	<0.00200	0.500	0.379	76	0.215	43	19-147	55	30	ug/L	03.11.15 18:40	F
Dieldrin	<0.00430	0.500	0.384	77	0.345	69	35-140	11	30	ug/L	03.11.15 18:40	
Endosulfan I	<0.00240	0.500	0.297	59	0.270	54	20-135	10	30	ug/L	03.11.15 18:40	
Endosulfan II	<0.00450	0.500	0.328	66	0.260	52	34-122	23	30	ug/L	03.11.15 18:40	
Endosulfan Sulfate	<0.00700	0.500	0.363	73	0.233	47	41-145	44	30	ug/L	03.11.15 18:40	F
Endrin	<0.00460	0.500	0.382	76	0.340	68	36-158	12	30	ug/L	03.11.15 18:40	
Endrin Aldehyde	<0.00860	0.500	0.325	65	0.170	34	28-135	63	30	ug/L	03.11.15 18:40	F
Endrin Ketone	<0.00450	0.500	0.379	76	0.274	55	42-134	32	30	ug/L	03.11.15 18:40	F
Gamma-BHC (Lindane)	<0.00160	0.500	0.358	72	0.285	57	23-143	23	30	ug/L	03.11.15 18:40	
Gamma-Chlordane	<0.00180	0.500	0.381	76	0.343	69	25-112	10	30	ug/L	03.11.15 18:40	
Heptachlor	<0.00290	0.500	0.348	70	0.344	69	20-142	1	30	ug/L	03.11.15 18:40	
Heptachlor Epoxide	<0.00280	0.500	0.369	74	0.326	65	32-134	12	30	ug/L	03.11.15 18:40	
Methoxychlor	<0.0288	0.500	0.403	81	0.348	70	36-169	15	30	ug/L	03.11.15 18:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	71		48		55		27-135	%	03.11.15 18:40
Decachlorobiphenyl	84		84		80		26-154	%	03.11.15 18:40

QC Summary 503521

Environmental International Corporation

GPA-Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 963662 Matrix: Water Date Prep: 03.10.15

MB Sample Id: 689651-1-BLK LCS Sample Id: 689651-1-BKS LCSD Sample Id: 689651-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.400	80	0.351	70	20-152	13	30	ug/L	03.12.15 16:31	
4,4-DDE	<0.00350	0.500	0.373	75	0.363	73	18-147	3	30	ug/L	03.12.15 16:31	
4,4-DDT	<0.00490	0.500	0.380	76	0.353	71	18-164	7	30	ug/L	03.12.15 16:31	
Aldrin	<0.00260	0.500	0.289	58	0.311	62	11-131	7	30	ug/L	03.12.15 16:31	
Alpha-BHC	<0.0101	0.500	0.322	64	0.279	56	24-141	14	30	ug/L	03.12.15 16:31	
Alpha-Chlordane	<0.00220	0.500	0.371	74	0.350	70	37-135	6	30	ug/L	03.12.15 16:31	
Beta-BHC	<0.00230	0.500	0.332	66	0.171	34	12-162	64	30	ug/L	03.12.15 16:31	F
Delta-BHC	0.00650	0.500	0.378	76	0.216	43	19-147	55	30	ug/L	03.12.15 16:31	F
Dieldrin	<0.00430	0.500	0.380	76	0.347	69	35-140	9	30	ug/L	03.12.15 16:31	
Endosulfan I	<0.00240	0.500	0.293	59	0.271	54	20-135	8	30	ug/L	03.12.15 16:31	
Endosulfan II	<0.00450	0.500	0.327	65	0.259	52	34-122	23	30	ug/L	03.12.15 16:31	
Endosulfan Sulfate	<0.00700	0.500	0.374	75	0.240	48	41-145	44	30	ug/L	03.12.15 16:31	F
Endrin	<0.00460	0.500	0.381	76	0.348	70	36-158	9	30	ug/L	03.12.15 16:31	
Endrin Aldehyde	<0.00860	0.500	0.321	64	0.167	33	28-135	63	30	ug/L	03.12.15 16:31	F
Endrin Ketone	<0.00450	0.500	0.382	76	0.279	56	42-134	31	30	ug/L	03.12.15 16:31	
Gamma-BHC (Lindane)	<0.00160	0.500	0.357	71	0.286	57	23-143	22	30	ug/L	03.12.15 16:31	
Gamma-Chlordane	<0.00180	0.500	0.378	76	0.344	69	25-112	9	30	ug/L	03.12.15 16:31	
Heptachlor	<0.00290	0.500	0.360	72	0.354	71	20-142	2	30	ug/L	03.12.15 16:31	
Heptachlor Epoxide	<0.00280	0.500	0.364	73	0.327	65	32-134	11	30	ug/L	03.12.15 16:31	
Methoxychlor	<0.0288	0.500	0.417	83	0.362	72	36-169	14	30	ug/L	03.12.15 16:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	75		48		55		27-135	%	03.12.15 16:31
Decachlorobiphenyl	89		86		82		26-154	%	03.12.15 16:31

Environmental International Corporation

GPA-Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 963662 Matrix: Ground Water Date Prep: 03.10.15

Parent Sample Id: 503521-019 MS Sample Id: 503521-019 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
4,4-DDD	<0.00370	1.00	0.900	90	20-152	ug/L	03.13.15 01:36	
4,4-DDE	<0.00350	1.00	0.708	71	18-147	ug/L	03.13.15 01:36	
4,4-DDT	<0.00490	1.00	0.844	84	18-164	ug/L	03.13.15 01:36	
Aldrin	<0.00260	1.00	0.464	46	11-131	ug/L	03.13.15 01:36	
Alpha-BHC	<0.0101	1.00	0.472	47	24-141	ug/L	03.13.15 01:36	
Alpha-Chlordane	<0.00220	1.00	0.660	66	37-135	ug/L	03.13.15 01:36	
Beta-BHC	0.102	1.00	0.807	71	12-162	ug/L	03.13.15 01:36	
Delta-BHC	<0.00200	1.00	0.798	80	19-147	ug/L	03.13.15 01:36	
Dieldrin	<0.00430	1.00	0.673	67	35-140	ug/L	03.13.15 01:36	
Endosulfan I	<0.00240	1.00	0.475	48	20-135	ug/L	03.13.15 01:36	
Endosulfan II	<0.00450	1.00	0.673	67	34-122	ug/L	03.13.15 01:36	
Endosulfan Sulfate	<0.00700	1.00	0.912	91	41-145	ug/L	03.13.15 01:36	
Endrin	<0.00460	1.00	0.779	78	36-158	ug/L	03.13.15 01:36	
Endrin Aldehyde	<0.00860	1.00	0.775	78	28-135	ug/L	03.13.15 01:36	
Endrin Ketone	<0.00450	1.00	0.855	86	42-134	ug/L	03.13.15 01:36	
Gamma-BHC (Lindane)	<0.00160	1.00	0.527	53	23-143	ug/L	03.13.15 01:36	
Gamma-Chlordane	<0.00180	1.00	0.650	65	25-112	ug/L	03.13.15 01:36	
Heptachlor	<0.00290	1.00	0.486	49	20-142	ug/L	03.13.15 01:36	
Heptachlor Epoxide	<0.00280	1.00	0.581	58	32-134	ug/L	03.13.15 01:36	
Methoxychlor	<0.0288	1.00	1.13	113	36-169	ug/L	03.13.15 01:36	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	44		27-135	%	03.13.15 01:36
Decachlorobiphenyl	92		26-154	%	03.13.15 01:36

XENCO LABORATORIES

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300094
Page 1 of 3
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corporation	Receiver's Initials/Temp: 12.1°C
Address: 161 Kimball Bridge Road Suite 100	Custody Seal(s): ___ Y N Lab Work Order # 503521
Results Sent to: Alan Sanders & Stephen Helmly	P.O.# (if required): 901336
Email address: asanders@eicusa.com shelmly@eicusa.com	Field Comments / Lab Precautions: Need 36608 Sulfur Clean up
Contact Phone #: 770 772 7100 ext 115 Cell#:	
Project Name (Site): GPA - Bainbridge	
Project Number (ID): 400007-4.5	Container Type: G4
Regulatory Program:	Chemical Preservation Code:
Sampler(s): (signature) David Vargas Stephen Helmly	Sampler(s): (printed) David Vargas Stephen Helmly

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B/3660B
1	MW-1		3/3/15 11:03	GW		X	1	X
2	MW-1A		3/3/15 12:07	GW		X	1	X
3	MW-2		3/2/15 16:37	GW		X	1	X
4	MW-3		3/3/15 8:44	GW		X	1	X
5	MW-4U		3/3/15 9:45	GW		X	1	X
6	MW-5A		3/3/15 12:57	GW		X	1	X
7	MW-5D		3/5/15 15:01	GW		X	1	X
8	MW-6		3/4/15 17:02	GW		X	1	X
9	MW-7		3/4/15 13:26	GW		X	1	X
10	MW-8		3/5/15 10:15	GW		X	1	X

1) Relinquished By: Stephen Helmly	Date / Time 3/6/15 15:39	2) Received By:	Date / Time 03/06/15 15:39
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; ✓ 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300095
Page 1 of 3

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corporation	Receiver's Initials/Temp: MC / 2.1°C
Address: 161 Kimball Bridge Rd Suite 100	Custody Seal(s): ___ Y N Lab Work Order # 503521
Results Sent to: Alan Sanders Stephen Helmly	P.O.# (if required): 901336
Email address: asanders@eicusa.com shelmly@eicusa.com	Field Comments / Lab Precautions: Neck 36608 Sulfur Clean up
Contact Phone #: 770-772-7100 ext 225 Cell#:	
Project Name (Site): GPA - Bainbridge	
Project Number (ID): 400007 - 4-5	Container Type: GA
Regulatory Program:	Chemical Preservation Code:
Sampler(s): (signature) Dave Vargas Stephen Helmly	Sampler(s): (printed) David Vargas Stephen Helmly

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B/36608												
1	MW-10		3/5/15 15:56	GW		X	1	X												
2	MW-11		3/3/15 18:03	GW		X	1	X												
3	MW-12		3/4/15 18:13	GW		X	1	X												
4	MW-13		3/5/15 9:22	GW		X	1	X												
5	MW-14		3/4/15 15:34	GW		X	1	X												
6	MW-15		3/4/15 11:24	GW		X	1	X												
7	MW-16		3/3/15 18:06	GW		X	1	X												
8	MW-17		3/3/15 16:42	GW		X	1	X												
9	MW-18		3/4/15 10:30	GW		X	1	X												
10	MW-19		3/4/15 9:15	GW		X	1	X												

1) Relinquished By:	Date / Time 3/6/15 15:30	2) Received By: Date / Time 03/06/15 15:35
3) Relinquished By:	Date / Time	4) Received By: Date / Time
5) Relinquished By:	Date / Time	6) Received By: Date / Time

Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; ✓ 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300096
Page 3 of 3

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corporation	Receiver's Initials/Temp: AF / 2.1°C
Address: 161 Kimball Bridge Rd suite 100	Custody Seal(s): ___ Y N Lab Work Order # 503521
Results Sent to: Alan Sanders Stephen Helmly	P.O.# (if required): 901336
Email address: asanders@eicusa.com shelmly@eicusa.com	Field Comments / Lab Precautions: Need 3660B Sulfur Cleanup
Contact Phone #: 770-772-7100 ext 225 Cell#:	
Project Name (Site): GPC Bainbridge	
Project Number (ID): 400007-4.5	Container Type: GA
Regulatory Program:	Chemical Preservation Code:
Sampler(s): (signature) David Vargas Stephen Helmly	Sampler(s): (printed) David Vargas & Stephen Helmly

Analysis Requested

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B/3660B													
1	MW-20		3/5/15 18:23	GW		X	1	X													
2	MW-21		3/5/15 17:21	GW		X	1	X													
3	MW-22		3/6/15 9:02	GW		X	1	X													
4	MW-23		3/5/15 11:05	GW		X	1	X													
5	MW-24		3/3/15 14:53	GW		X	1	X													
6	Equipment Blank		3/6/15 9:41	W		X	1	X													
7	MW-10 (Duplicate)		3/5/15 15:56	GW		X	1	X													
8	Matrix Spike (MW-18)		3/4/15 10:30	GW		X	1	X													
9	Matrix Spike (MW-22)		3/6/15 9:02	GW		X	1	X													
10																					

1) Relinquished By: 3/6/15 15:39	2) Received By: 3/6/15 15:39	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By:	4) Received By:	Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM
5) Relinquished By:	6) Received By:	___10 Days ; ✓ 5-7 Days; ___3 Days ___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Environmental International Corporation

Date/ Time Received: 03/06/2015 03:39:00 PM

Work Order #: 503521

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.1
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**N/A**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 03/06/2015

Checklist reviewed by: Mike Kimmel Date: 03/07/2015

Certificate of Analytical Results 503521

Environmental International Corporation, Alpharetta, GA

GPA-Bainbridge

Sample Id: **MW-10 (Duplicate)** Matrix: Ground Water Date Received:03.06.15 15.39

Lab Sample Id: 503521-027 Date Collected: 03.05.15 15.56

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: VBR % Moisture:

Analyst: VIC Date Prep: 03.10.15 17.00

Seq Number: 963662

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	03.13.15 00.56	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	03.13.15 00.56	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	03.13.15 00.56	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	03.13.15 00.56	U	1
Alpha-BHC	319-84-6	**0.197**	0.0500	0.0101	ug/L	03.13.15 00.56		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	03.13.15 00.56	U	1
Beta-BHC	319-85-7	**4.91**	1.00	0.0460	ug/L	03.13.15 14.59	DF	20
Delta-BHC	319-86-8	**0.295**	0.0500	0.00200	ug/L	03.13.15 00.56	F	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	03.13.15 00.56	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	03.13.15 00.56	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	03.13.15 00.56	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	03.13.15 00.56	UF	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	03.13.15 00.56	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	03.13.15 00.56	UF	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	03.13.15 00.56	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0917**	0.0500	0.00160	ug/L	03.13.15 00.56		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	03.13.15 00.56	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	03.13.15 00.56	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	03.13.15 00.56	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	03.13.15 00.56	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	03.13.15 00.56	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	03.13.15 00.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	44	%	27-135	03.13.15 00.56	
Decachlorobiphenyl	2051-24-3	94	%	26-154	03.13.15 00.56	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 503521

Environmental International Corporation

GPA-Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C
Seq Number: 963558 Matrix: Water Date Prep: 03.08.15
MB Sample Id: 689574-1-BLK LCS Sample Id: 689574-1-BKS LCSD Sample Id: 689574-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.394	79	0.342	68	20-152	14	30	ug/L	03.11.15 18:40	
4,4-DDE	<0.00350	0.500	0.386	77	0.364	73	18-147	6	30	ug/L	03.11.15 18:40	
4,4-DDT	<0.00490	0.500	0.387	77	0.355	71	18-164	9	30	ug/L	03.11.15 18:40	
Aldrin	<0.00260	0.500	0.291	58	0.310	62	11-131	6	30	ug/L	03.11.15 18:40	
Alpha-BHC	<0.0101	0.500	0.322	64	0.277	55	24-141	15	30	ug/L	03.11.15 18:40	
Alpha-Chlordane	<0.00220	0.500	0.382	76	0.349	70	37-135	9	30	ug/L	03.11.15 18:40	
Beta-BHC	<0.00230	0.500	0.336	67	0.173	35	12-162	64	30	ug/L	03.11.15 18:40	F
Delta-BHC	<0.00200	0.500	0.379	76	0.215	43	19-147	55	30	ug/L	03.11.15 18:40	F
Dieldrin	<0.00430	0.500	0.384	77	0.345	69	35-140	11	30	ug/L	03.11.15 18:40	
Endosulfan I	<0.00240	0.500	0.297	59	0.270	54	20-135	10	30	ug/L	03.11.15 18:40	
Endosulfan II	<0.00450	0.500	0.328	66	0.260	52	34-122	23	30	ug/L	03.11.15 18:40	
Endosulfan Sulfate	<0.00700	0.500	0.363	73	0.233	47	41-145	44	30	ug/L	03.11.15 18:40	F
Endrin	<0.00460	0.500	0.382	76	0.340	68	36-158	12	30	ug/L	03.11.15 18:40	
Endrin Aldehyde	<0.00860	0.500	0.325	65	0.170	34	28-135	63	30	ug/L	03.11.15 18:40	F
Endrin Ketone	<0.00450	0.500	0.379	76	0.274	55	42-134	32	30	ug/L	03.11.15 18:40	F
Gamma-BHC (Lindane)	<0.00160	0.500	0.358	72	0.285	57	23-143	23	30	ug/L	03.11.15 18:40	
Gamma-Chlordane	<0.00180	0.500	0.381	76	0.343	69	25-112	10	30	ug/L	03.11.15 18:40	
Heptachlor	<0.00290	0.500	0.348	70	0.344	69	20-142	1	30	ug/L	03.11.15 18:40	
Heptachlor Epoxide	<0.00280	0.500	0.369	74	0.326	65	32-134	12	30	ug/L	03.11.15 18:40	
Methoxychlor	<0.0288	0.500	0.403	81	0.348	70	36-169	15	30	ug/L	03.11.15 18:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	71		48		55		27-135	%	03.11.15 18:40
Decachlorobiphenyl	84		84		80		26-154	%	03.11.15 18:40

QC Summary 503521

Environmental International Corporation

GPA-Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C
Seq Number: 963662 Matrix: Water Date Prep: 03.10.15
MB Sample Id: 689651-1-BLK LCS Sample Id: 689651-1-BKS LCSD Sample Id: 689651-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.400	80	0.351	70	20-152	13	30	ug/L	03.12.15 16:31	
4,4-DDE	<0.00350	0.500	0.373	75	0.363	73	18-147	3	30	ug/L	03.12.15 16:31	
4,4-DDT	<0.00490	0.500	0.380	76	0.353	71	18-164	7	30	ug/L	03.12.15 16:31	
Aldrin	<0.00260	0.500	0.289	58	0.311	62	11-131	7	30	ug/L	03.12.15 16:31	
Alpha-BHC	<0.0101	0.500	0.322	64	0.279	56	24-141	14	30	ug/L	03.12.15 16:31	
Alpha-Chlordane	<0.00220	0.500	0.371	74	0.350	70	37-135	6	30	ug/L	03.12.15 16:31	
Beta-BHC	<0.00230	0.500	0.332	66	0.171	34	12-162	64	30	ug/L	03.12.15 16:31	F
Delta-BHC	<0.00200	0.500	0.378	76	0.216	43	19-147	55	30	ug/L	03.12.15 16:31	F
Dieldrin	<0.00430	0.500	0.380	76	0.347	69	35-140	9	30	ug/L	03.12.15 16:31	
Endosulfan I	<0.00240	0.500	0.293	59	0.271	54	20-135	8	30	ug/L	03.12.15 16:31	
Endosulfan II	<0.00450	0.500	0.327	65	0.259	52	34-122	23	30	ug/L	03.12.15 16:31	
Endosulfan Sulfate	<0.00700	0.500	0.374	75	0.240	48	41-145	44	30	ug/L	03.12.15 16:31	F
Endrin	<0.00460	0.500	0.381	76	0.348	70	36-158	9	30	ug/L	03.12.15 16:31	
Endrin Aldehyde	<0.00860	0.500	0.321	64	0.167	33	28-135	63	30	ug/L	03.12.15 16:31	F
Endrin Ketone	<0.00450	0.500	0.382	76	0.279	56	42-134	31	30	ug/L	03.12.15 16:31	
Gamma-BHC (Lindane)	<0.00160	0.500	0.357	71	0.286	57	23-143	22	30	ug/L	03.12.15 16:31	
Gamma-Chlordane	<0.00180	0.500	0.378	76	0.344	69	25-112	9	30	ug/L	03.12.15 16:31	
Heptachlor	<0.00290	0.500	0.360	72	0.354	71	20-142	2	30	ug/L	03.12.15 16:31	
Heptachlor Epoxide	<0.00280	0.500	0.364	73	0.327	65	32-134	11	30	ug/L	03.12.15 16:31	
Methoxychlor	<0.0288	0.500	0.417	83	0.362	72	36-169	14	30	ug/L	03.12.15 16:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	75		48		55		27-135	%	03.12.15 16:31
Decachlorobiphenyl	89		86		82		26-154	%	03.12.15 16:31

QC Summary 503521

Environmental International Corporation

GPA-Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 963662 Matrix: Ground Water Date Prep: 03.10.15

Parent Sample Id: 503521-019 MS Sample Id: 503521-019 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
4,4-DDD	<0.00370	1.00	0.900	90	20-152	ug/L	03.13.15 01:36	
4,4-DDE	<0.00350	1.00	0.708	71	18-147	ug/L	03.13.15 01:36	
4,4-DDT	<0.00490	1.00	0.844	84	18-164	ug/L	03.13.15 01:36	
Aldrin	<0.00260	1.00	0.464	46	11-131	ug/L	03.13.15 01:36	
Alpha-BHC	<0.0101	1.00	0.472	47	24-141	ug/L	03.13.15 01:36	
Alpha-Chlordane	<0.00220	1.00	0.660	66	37-135	ug/L	03.13.15 01:36	
Beta-BHC	0.102	1.00	0.807	71	12-162	ug/L	03.13.15 01:36	
Delta-BHC	<0.00200	1.00	0.798	80	19-147	ug/L	03.13.15 01:36	
Dieldrin	<0.00430	1.00	0.673	67	35-140	ug/L	03.13.15 01:36	
Endosulfan I	<0.00240	1.00	0.475	48	20-135	ug/L	03.13.15 01:36	
Endosulfan II	<0.00450	1.00	0.673	67	34-122	ug/L	03.13.15 01:36	
Endosulfan Sulfate	<0.00700	1.00	0.912	91	41-145	ug/L	03.13.15 01:36	
Endrin	<0.00460	1.00	0.779	78	36-158	ug/L	03.13.15 01:36	
Endrin Aldehyde	<0.00860	1.00	0.775	78	28-135	ug/L	03.13.15 01:36	
Endrin Ketone	<0.00450	1.00	0.855	86	42-134	ug/L	03.13.15 01:36	
Gamma-BHC (Lindane)	<0.00160	1.00	0.527	53	23-143	ug/L	03.13.15 01:36	
Gamma-Chlordane	<0.00180	1.00	0.650	65	25-112	ug/L	03.13.15 01:36	
Heptachlor	<0.00290	1.00	0.486	49	20-142	ug/L	03.13.15 01:36	
Heptachlor Epoxide	<0.00280	1.00	0.581	58	32-134	ug/L	03.13.15 01:36	
Methoxychlor	<0.0288	1.00	1.13	113	36-169	ug/L	03.13.15 01:36	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	44		27-135	%	03.13.15 01:36
Decachlorobiphenyl	92		26-154	%	03.13.15 01:36

XENCO LABORATORIES

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CHAIN OF CUSTODY

COC# ATL300094
Page 1 of 3
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corporation
Address: 161 Kimball Bridge Road Suite 100
Results Sent to: Alan Sanders & Stephen Helmly
Email address: asanders@eicusa.com shelmly@eicusa.com
Contact Phone #: 770 772 7100 ext 115 Cell#:
Project Name (Site): GPA - Bainbridge
Project Number (ID): 400007-4.5
Regulatory Program:

Receiver's Initials/Temp: 1 2.1°C
Custody Seal(s): ___ Y N Lab Work Order # 503521
P.O.# (if required): 901336
Field Comments / Lab Precautions:
Need 36608 Sulfur Clean up

Sampler(s): (signature) David Vargas Stephen Helmly
Sampler(s): (printed) David Vargas Stephen Helmly

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	Container Type: 6A	8081B/3660B											
								Chemical Preservation Code:												
1	MW-1		3/3/15 11:03	GW		X	1		X											
2	MW-1A		3/3/15 12:07	GW		X	1		X											
3	MW-2		3/2/15 16:37	GW		X	1		X											
4	MW-3		3/3/15 8:44	GW		X	1		X											
5	MW-4U		3/3/15 9:45	GW		X	1		X											
6	MW-5A		3/3/15 12:57	GW		X	1		X											
7	MW-5D		3/5/15 15:01	GW		X	1		X											
8	MW-6		3/4/15 17:02	GW		X	1		X											
9	MW-7		3/4/15 13:26	GW		X	1		X											
10	MW-8		3/5/15 10:15	GW		X	1		X											

1) Relinquished By:	Date / Time	2) Received By:	Date / Time	Delivered by: (Circle One)
Stephen Helmly	3/6/15 15:39		03/06/15 15:39	Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By:	Date / Time	4) Received By:	Date / Time	Turnaround Time (business days)
				TAT Starts when samples are rec'd by 2PM
5) Relinquished By:	Date / Time	6) Received By:	Date / Time	___10 Days ; ✓ 5-7 Days; ___3 Days
				___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300095
Page 1 of 3

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corporation	Receiver's Initials/Temp: MC / 2.1°C
Address: 161 Kimball Bridge Rd Suite 100	Custody Seal(s): ___ Y N Lab Work Order # 503521
Results Sent to: Alan Sanders Stephen Helmly	P.O.# (if required): 901336
Email address: asanders@eicusa.com shelmly@eicusa.com	Field Comments / Lab Precautions: Neck 36608 Sulfur Clean up
Contact Phone #: 770-772-7100 ext 225 Cell#:	
Project Name (Site): GPA - Bainbridge	
Project Number (ID): 400007 - 4.5	Container Type: GA
Regulatory Program:	Chemical Preservation Code:
Sampler(s): (signature) David Vargas Stephen Helmly	Sampler(s): (printed) David Vargas Stephen Helmly

Analysis Requested

8081B/36608

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	
1	MW-10		3/5/15 15:56	GW		X	1	X
2	MW-11		3/3/15 18:03	GW		X	1	X
3	MW-12		3/4/15 18:13	GW		X	1	X
4	MW-13		3/5/15 9:22	GW		X	1	X
5	MW-14		3/4/15 15:34	GW		X	1	X
6	MW-15		3/4/15 11:24	GW		X	1	X
7	MW-16		3/3/15 18:06	GW		X	1	X
8	MW-17		3/3/15 16:49	GW		X	1	X
9	MW-18		3/4/15 10:30	GW		X	1	X
10	MW-19		3/4/15 9:15	GW		X	1	X

1) Relinquished By:	Date / Time 3/6/15 15:30	2) Received By:	Date / Time 03/06/15 15:35
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; ✓ 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300096
Page 3 of 3

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Environmental International Corporation	Receiver's Initials/Temp: AF / 2.1°C
Address: 161 Kimball Bridge Rd suite 100	Custody Seal(s): ___ Y N Lab Work Order # 503521
Results Sent to: Alan Sanders Stephen Helmly	P.O.# (if required): 901336
Email address: asanders@eicusa.com shelmly@eicusa.com	Field Comments / Lab Precautions: Need 3660B Sulfur Cleanup
Contact Phone #: 770-772-7100 ext 225 Cell#:	
Project Name (Site): GPC Bainbridge	
Project Number (ID): 400007-4.5	Container Type: GA
Regulatory Program:	Chemical Preservation Code:
Sampler(s): (signature) David Vargas Stephen Helmly	Sampler(s): (printed) David Vargas Stephen Helmly

Analysis Requested

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B/3660B													
1	MW-20		3/5/15 18:23	GW		X	1	X													
2	MW-21		3/5/15 17:21	GW		X	1	X													
3	MW-22		3/6/15 9:02	GW		X	1	X													
4	MW-23		3/5/15 11:05	GW		X	1	X													
5	MW-24		3/3/15 14:53	GW		X	1	X													
6	Equipment Blank		3/6/15 9:41	W		X	1	X													
7	MW-10 (Duplicate)		3/5/15 15:56	GW		X	1	X													
8	Matrix Spike (MW-18)		3/4/15 10:30	GW		X	1	X													
9	Matrix Spike (MW-22)		3/6/15 9:02	GW		X	1	X													
10																					

1) Relinquished By: 3/6/15 15:39	2) Received By: 3/6/15 15:39	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By:	4) Received By:	Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM
5) Relinquished By:	6) Received By:	___10 Days ; ✓5-7 Days; ___3 Days ___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Auber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Environmental International Corporation

Date/ Time Received: 03/06/2015 03:39:00 PM

Work Order #: 503521

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.1
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**N/A**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 03/06/2015

Checklist reviewed by: Mike Kimmel Date: 03/07/2015

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT H
MONTHLY SUMMARY OF HOURS INVOICED

Environmental International Corporation
GPA VIRP
October 2014 through March 2015

TASKS	Oct 14	Nov 14	Dec 14	Jan 15	Feb 15	Mar 15	TOTAL
Task 4.2 - Supplemental VIRP tasks	4	0	0	0	0	0	4
Task 4.5 - GW Remediation	205	158	244	136	124	298	1,165
Task 4.6 - Meetings & Site Visits	40	0	40	59	0	0	138
Task 4.7 - Health & Safety	46	20	1	0	53	0	120
Total Hours	**294**	**178**	**285**	**195**	**177**	**298**	**1,427**

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

FIFTH VIRP SEMI-ANNUAL PROGRESS REPORT

APPENDIX A
SITE CONCEPTUAL MODEL REPORT

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

SITE CONCEPTUAL MODEL

May 4, 2015

Submitted To:

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

Georgia Department of Natural Resources

Response and Remediation Program

Suite 1462 East Tower
2 Martin Luther King Jr. Drive, S.E.
Atlanta, Georgia 30334

Prepared for:

GEORGIA PORTS AUTHORITY

P.O. Box 2406

Savannah, Georgia 31402

Prepared by:

ENVIRONMENTAL INTERNATIONAL CORPORATION

161 Kimball Bridge Road, Suite 100, Alpharetta, GA 30009, USA

Phone 770.772.7100 • Fax 770.772.0555

http://www.eicusa.com

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Figure 2-1: Cross Section Trace Map

Figure 2-2: Cross Section A-A'

Figure 2-3: Cross Section B-B'

Figure 2-4: Cross Section C-C'

Figure 2-5: March 2013 Potentiometric Surface Map

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Figure 2-8: December 2013 Potentiometric Surface Map

Figure 2-9: Land Use Map

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Figure 4-1: AOC-1 Soil Sampling Map

Figure 4-2: AOC-2 Soil Sampling Map

Figure 4-3: AOC-3 Soil Sampling Map

Figure 4-4: September 2014 Alpha-BHC Plume Map

Figure 4-5: September 2014 Beta-BHC Plume Map

Figure 4-6: September 2014 Delta-BHC Plume Map

Figure 5-1: Anaerobic Degradation Pathway

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Figure 5-3: Total BHC Degradation Trend Analysis

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Attachment A: MW-23 Sieve Analysis Results

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Appendix A: Potential Ecological Receptors Report

SECTION

1

1. INTRODUCTION

A Site Conceptual Model (SCM), also known as Conceptual Site Model, is a summary of site conditions as it pertains to a contaminant release. EIC submitted a preliminary SCM with the GPA Bainbridge site Voluntary Investigation and Remediation Plan (VIRP) application. This report serves as an update to the preliminary SCM based on knowledge that has been obtained through historical documents and site activities related to the objectives of the VIRP program.

This SCM report defines release sources, extent of groundwater contamination, likely fate and transport mechanisms, potential exposure pathways, and potential receptors that could be impacted by constituents of concern (COCs) at the site. This information serves as an important tool in developing site remedies. Since this report is a summary of known site information, as more information regarding site conditions is obtained, this report will be further updated.

Significant updates to the SCM since VIRP approval include:

- Updated hydrogeological cross sections
- Updated delineation of COC plumes in groundwater
- Delineation of COCs in soil in areas of concern (AOC)-2 and AOC-3
- Updated delineation of COCs in soil mound at AOC-1
- Implementation of engineering controls for AOC-1
- Flint River analysis study
- An updated understanding of degradation pathways and daughter products of BHC
- Groundwater COC concentration trend analysis

SECTION

2

2. SITE CHARACTERISTICS

2.1 Site Location and Physical Setting

The Georgia Ports Authority Bainbridge (GPA) Terminal facility is located at 1321 Spring Creek Road in Bainbridge, Decatur County, Georgia. The facility was constructed in 1958 and is located on an approximately 65-acre parcel along the Flint River in the Apalachicola-Chattahoochee-Flint Waterway, or Tri-Rivers System. Currently, the facility primarily handles dry bulk products for the agricultural industry. It consists of several warehouses, an office with truck scale, a maintenance shed, a dock - formerly used for off-loading barge cargo, a railroad spur and a forested area. The railroad spur within the property, which runs parallel to the Spring Creek Road, divides the site into North and South parcels. Figure 1-1 depicts the site layout.

2.1.1 Surrounding Properties

The GPA site property proper is bordered to the southeast by the Flint River, to the northwest by Spring Creek Road, to the northeast by Agrium US Inc. (Agrium) property, and to the southwest by an Ergon, Inc. (Ergon) asphalt and emulsions facility. The Agrium property was formerly a fertilizer facility but the operations were later terminated and all superstructures were demolished. The facility is currently vacant. A sulfur manufacturing facility owned and operated by Georgia Gulf Sulfur (GGS) is located to the northwest across Spring Creek Road. All of these facilities and the surrounding properties are zoned for heavy industry.

2.2 Site Background

GPA has historically utilized the facility to ship and receive a variety of bulk cargo via barge and truck traffic as well as store various agricultural products and commodities. Long- and short-term storage is provided in various buildings which collectively provide approximately 93,000 square feet (9,292 square meters) of covered storage. Currently the facility handles: nitrogen solution, gypsum, ammonium sulfate, urea, cottonseed, and cypress bark mulch. CSX Transportation provides Class I rail service from a railroad spur located at the facility.

2.3 Hydrogeology

The subsurface geology at the site was characterized by EIC utilizing monitoring well boring logs from historical wells and two wells installed by EIC. Based on these well boring logs, EIC correlated the lithology between selected wells and prepared three hydrogeological cross-sections to illustrate the subsurface at the site. Figure 2-1 depicts a plan view of the cross-section traces across the site. Cross Section A-A' extends primarily from northwest to southeast across the entire length of the GPA property and is illustrated in Figure 2-2. Cross Sections B-B' and C-C', illustrated in Figure 2-3 and Figure 2-4, respectively, extend from southwest to northeast. Cross Section B-B' extends along the northwestern GPA and northwestern Agrium property boundaries that are parallel to Spring Creek Road and Cross Section C-C' extends along the southeastern GPA property boundary parallel to the Flint River.

2.3.1 Stratigraphy

Based on EIC's interpretation of the aforementioned cross-sections, the site is generally underlain by unconsolidated alluvial deposits. The alluvial deposits primarily consist of a sand layer which has variable clay content and which includes discontinuous lenses of clay and gravel. Additionally, the sand layer is partially overlain by clay or sand-clay layers, as shown in Figure 2-2. This sand layer extends to a depth of over 50 feet, as indicated by the MW-6 well log.

As discussed in the VIRP application, there is a significant amount of backfill material from site planning and grading activities that were conducted in various phases during the past several years. The soil material generated during each phase was piled south of the RSW (EIC, 2012). A 2-foot thick engineered clay backfill is also located near the Flint River above the native sand layer. This clay layer appears to be related to an engineered foundation for a former building at the site.

The southeastern extent of the site is bordered by the Flint River. Based on Cross-Section C-C', an apparently natural deposit of sand and gravel exists beneath the predominant sand layer along the Flint River. Well logs indicate that the sand and gravel layer extends from well MW-12 southwestward to a point between wells MW-13 and MW-23. The top surface of the sand and gravel layer ranges in depth from 13 feet, at well MW-12, to approximately 22 feet at well MW-23.

Based on Cross-Sections A-A' and B-B' this sand and gravel layer extends approximately 200 feet to the north of the Flint River and is limited to the southeastern edge of the site near the Flint River. As indicated by the well boring log for MW-23, this sand and gravel layer is overlain by a clay lens that extends to a depth of 19 to 20 feet below ground surface. However, this clay lens does not extend to MW-12 and appears to be limited to the area where MW-23 is located.

In the northwestern portion of the property, the predominant sand layer is overlain by a combination of clay with sand and sand with clay layers. From MW-10 to MW-16, this layer is overlain by a separate sand layer. The thickness of the combined clay-with-sand and sand-with-clay layers varies from 10 to 30 feet.

2.3.2 Groundwater Flow

2.3.2.1 Potentiometric Surface

To develop a greater understanding of the groundwater conditions, EIC reviewed the complete 2013 seasonal cycle of the potentiometric surface at the site. Figures 2-5 through 2-8 illustrate the potentiometric surface during March 2013, June 2013, September 2013, and December 2013, respectively. These figures were developed utilizing groundwater gauging and top-of-casing (TOC) elevation data listed in Table 2-1. From these figures, it is apparent that the predominant groundwater flow direction is from the northwest to the southeast across the site towards the Flint River.

From the data compiled from the four gauging events as well as other site activities, EIC made several observations of the site hydrogeology characteristics. These observations are discussed in the subsections below.

2.3.2.2 Hydraulic Gradient Determination

EIC calculated the average hydraulic gradient by utilizing the September 2013 potentiometric surface map (Figure 2-8). From this figure, the ground water beneath the site appears to flow towards the south-southeast under a slope of approximately 0.0006 feet per feet (ft/ft). The ground-water flow direction appears to be similar to the local topographic slope toward the Flint River.

2.3.3 Hydraulic Conductivity and Groundwater Velocity

Utilizing wells MW-6, MW-17 and MW-21, EIC conducted slug tests for aquifer characterization tests at the site (EIC, 2014). EIC then utilized the test data to calculate the hydraulic conductivity based on the Kansas Geological Survey (KGS) Model for unconfined aquifers. The calculated hydraulic conductivity ranges from 1.400E-02 cm/sec (MW-6) to 6.572E-02 cm/sec (MW-21). Based on the calculated hydraulic conductivity, an average value of 2.345E-02 cm/sec was utilized for determining groundwater velocity.

Based sieve analysis data provided in Attachment A, EIC confirmed the soil type in the water bearing zone to be predominantly a poorly graded (medium) sand. The effective porosities in this type of medium sand would range from 0.16 to 0.46 (McWhorter, D. B., & Sunada, D. K., 1977). The arithmetic mean of the effective porosity was reportedly 0.32. Therefore, the average linear ground-water flow velocity estimated for the site ranges from approximately 27 to 126 feet per year with an average velocity of 45 feet per year.

2.3.4 Potential Impacts to Groundwater Flow

2.3.4.1 Horizontal Flow

Within the saturated soil interval across the site, it appears that horizontal groundwater flow is predominantly within the predominate sand layer. The only possible lithological exception that is evident in the well boring logs is a sand-with-clay layer near MW-10 and a clay layer near MW-23. The only known barrier to horizontal flow is a bulkhead along the Flint River which intersects the water table, as illustrated in Figure 2-2. The bulkhead is approximately 415-feet in length.

2.3.4.2 Vertical Flow

Portions of the site are overlain with impervious man-made surfaces. These include concrete and asphalt paved areas, buildings, and railroads. These impervious surfaces cover approximately 22.5% of the total site area. The locations of these impervious surfaces are identified in Figure 2-9. The impervious surfaces would limit the percolation of rainwater but the promote sheet flow into the lower surfaces. Utilizing Figure 2-9 and the Natural Resources Conservation Service (NRCS) TR-55 runoff calculation method, EIC estimated the groundwater recharge rate for the site. Table 2-2 summarizes these calculations. From Table 2-2, the estimated groundwater recharge for the site is 0.38 ft/year.

Referring to the stratigraphic cross-sections presented in Figures 2-2 through 2-4, it is apparent that the groundwater is substantially flowing through a relatively homogeneous and isotropic regime. As such, based on average linear ground-water flow velocities discussed in Section 2.3.3, horizontal flow would be the dominating transport mechanism for dissolved COCs discussed in this report.

2.3.5 River Level Analysis Study

The Flint River is located immediately to the south of and hydraulically down-gradient from the site. To evaluate the potential impact of the river on groundwater flow at the site, EIC conducted a river level analysis study for the Flint River and several monitoring wells near the river.

EIC utilized stilling well SW-1, illustrated in Figure 1-1, and monitoring wells MW-12, MW-13, and MW-23 in the study. Figure 2-10 illustrates the data collected from transducers placed in each respective well. Additionally, Figure 2-10 illustrates rain events that occurred at the site during the study. From Figure 2-10 it is apparent that the Flint River is consistently lower in elevation as compared to groundwater elevations near the river. Therefore, the Flint River appears to be a gaining stream along the down-gradient portion of the site.

Additionally, as the Flint River is hydraulically connected to Lake Seminole downstream, it is subject to elevation changes due to discharges through the Jim Woodruff dam. This can be observed in the periodic peaks and valleys in the water level data for both SW-1 and the USGS Flint River gauging station upstream from the site. Considering that all three monitoring wells (MW-12, MW-13, and MW-23) are located at relatively the same distance from the Flint River and

the respective screened intervals are at similar depth intervals and in similar lithology, it would be expected that the net effect of the river level rise and fall would have a similar effect on the water levels in all three wells. As illustrated in Figure 2-10, however, only at MW-13 was the water level most directly influenced by the tidal variations. This indicates that the bulkhead wall (illustrated in plan view in Figure 1-1, as well as in cross-sectional view in Figure 2-2) that exists down-gradient from wells MW-12 and MW-23 is acting as a partial hydraulic barrier between the GPA site and the river.

SECTION

3

3. COCs AND RELEASE SOURCES

3.1 Contaminants of Concern

Benzenehexachloride (BHC) is a chlorinated organic compound consisting of 8 isomers, of which only four (α, β, γ, δ) are constituents of concern (COC) under the VIRP. Under standard temperature and pressure conditions, BHC exists as a white crystalline solid of low solubility. γ-BHC acts as a pesticide and has been utilized in the form of lindane, a >99% γ-BHC product, and Technical-BHC, a mixture of BHC isomers (ASTDR, 2005).

3.1.1 Discovery of Contamination

In 1993, a Phase I assessment discovered BHC contamination on GPA property. Further investigation revealed contamination in several areas at the site in soil and groundwater. Investigation and remediation activities have proceeded since this assessment.

3.2 Release Sources

The source of the BHC contamination at the site is unknown but it is assumed to be a result of both on-site and off-site releases. Currently, however, the highest concentrations of COCs in groundwater are located up-gradient of the site, north of Spring Creek Road.

3.2.1 On-Site Sources

It appears that GPA received at least one shipment of BHC several decades ago. Historical records necessary to confirm this event have not been available. In the 1960's, an undisclosed location in the northwest portion of the site was reportedly used for the storage of pesticides. During site redevelopment in the early 1970s, paving materials from that location were reportedly excavated and transferred to an area located to the southern portion of the warehouse identified as the Rock Salt Warehouse (RSW) in Figure 1-1.

Prior to the construction of the RSW in 1988, additional soil from the RSW site leveling/grading operation was transferred to the same location as paving materials from the former pesticide storage area. The combination of the excavated material from both areas apparently resulted in soil contamination within a soil mound located to the south of the RSW. No records were

available to substantiate the transfer events. An estimation of the amount of soil piled south of the RSW is discussed in Section 4.1.2. Additionally, other customers have utilized GPA's facilities for the storage of pesticide materials. It is unclear if BHC was stored at or had the potential to migrate into soil from these on-site storage areas.

3.2.2 Off-Site Sources

From various testimonials, GPA has also learned that offsite facilities hydraulically upgradient of the GPA site used BHC in manufacturing or in the distribution of pesticide material. MACTEC, the former consulting firm that served GPA in 2003, reviewed two off-site facilities as potential source(s) of groundwater contamination present in the North Parcel of the GPA property. The first facility was identified as Georgia Gulf Sulfur (GGS) that manufactures sulfur-based pesticide products. Valbay, Inc., a warehouse facility located at the intersection of Spring Creek Road and Mount Olive Church Road, was identified as a second facility.

During its investigation, MACTEC interviewed Mr. Butch Wilson (Manager of Royster-Clark - an adjacent facility to GPA - with 37 years of service) and Mr. Artis Rambo (former long-term GPA employee). According to Mr. Wilson, GGS was historically handling pesticides at its plant whereas GPA had only one incidence of pesticide storage. Mr. Rambo corroborated Mr. Wilson's testimony about GGS operations and also stated that the Valbay warehouse did not store any pesticides.

During the VIRP implementation, EIC has observed a disproportionally large amount of groundwater contamination on the north edge of the site and Spring Creek Road. Further discussions on COC concentrations is included in Section 4. This indicates that a potential offsite source is contributing BHC to the COC plume observed at GPA.

3.2.3 Third-Party Sources

Considering that GPA's site is located in an agricultural area, it is also conceivable that other third-party sources could have contributed additional pesticides that are now found on the site. For instance, BHC, toxaphene, DDT, Aldrin, dieldrin, and other pesticides were historically applied to cotton fields to treat boll weevil infestations in Georgia (Haney, Lewis, and Lambert, 2009). Also, BHC, Guthion, DDT, and other pesticides were hydraulically sprayed on pine trees in the southeast to treat cone worms in the 1960s (Merkel, 1964). Other experiments were performed in the Southland Experiment Forest located in the general area where the GPA site is located (Kinloch and Stonecypher, 1969). GPA will continue to further review the potential impact of these sources.

SECTION

4

4. Extent of Contamination

Characterizing the extent of a release entails a definition of the horizontal and vertical extent of the COCs in a multimedia environment. Utilizing historical and current sampling data, EIC has determined the following definition of COCs in soil and groundwater at the site.

4.1 Soil

Based on historical sampling events, pesticide COCs discussed in Section 3.1 were detected in soil samples obtained from both the North and South parcels of the GPA property. Referring to Table 4-1 and Table 4-2, a total of 14 sampling events have been completed during the period from 1993 through 2012. From these sampling events, a total of 1,468 samples were collected for laboratory analysis from hundreds of soil borings and excavations. These sampling events identified several small "hot spots" in the North Parcel and three hot spots in the South Parcel.

4.1.1 Horizontal Delineation

According to the Removal Action and Completion Report (RACR), all soil contamination hot spots in the North Parcel were apparently delineated and remediated. Based on soil sampling in the South Parcel, three hot spots of soil contamination were identified (GPA, 2012). In preparing the VIRP, EIC designated these hot spots as three areas of concern (AOC). The first hot spot, designated as AOC-1, is a relatively large area to the south of the RSW that has been a focus of extensive investigation since 2009. The second hot spot, designated as AOC-2, is the subsurface beneath a concrete pad upon which Warehouse No. 3 rests and its surrounding pavement. The third hot spot, designated as AOC-3, is located along a portion of stormwater drainage ditches and drainage swales located adjacent to AOC-2.

Figures 4-1 through 4-3 identify sampling locations in AOC-1, AOC-2, and AOC-3 respectively. Tables 4-2 and 4-3 tabulate the associated sampling data for AOC-1 and AOC-3 respectively. From Figure 4-1 and Table 4-2, soil in AOC-1 has been horizontally delineated. In 2014, GPA installed a security fence along the perimeter of AOC-1 as an engineering control measure consistent with the approved VIRP. As illustrated in Figure 4-2, soil in AOC-2 was horizontally delineated and the prevailing soil contamination is covered by asphalt pavement and the concrete foundation of Warehouse No. 3. EIC has presented the AOC-2 data to EPD for review and

comments. From Figure 4-3 and Table 4-3, it is apparent that the soil in AOC-3 is also horizontally delineated. In a letter dated July 2, 2014 EPD concurred that the soils in AOC-3 were delineated and that this was currently not an area of concern.

4.1.2 Vertical Delineation

According to the RACR, the vertical extent of soil contamination in the North Parcel was delineated to below RRS levels since all soil material exceeding the RRS standards were excavated and transferred offsite to an approved landfill. In the South Parcel, based on additional soil investigations performed in 2011, GPA determined that the vertical extent of soil contamination at AOC-1 has been delineated except for two small areas located at depths ranging from 21 to 24 feet below grade (Table 4-2). The vertical extent of soil contamination at AOC-2 remains undefined. Since the soils in AOC-1 and AOC-2 are being managed with engineering and institutional controls, no further vertical delineation was proposed. Both the vertical and horizontal extent of COCs in AOC-3 were delineated.

4.2 Groundwater

Based on historical groundwater sampling events, pesticide COCs, discussed in Section 3.1, were detected in groundwater samples obtained from monitoring wells located both in the North and South parcels. A total of 20 groundwater sampling and gauging events have been completed during the period from 1993 to 2015. To-date, 26 monitoring wells have been installed at the site and currently 25 are being utilized in the site groundwater monitoring program. One well, identified as MW-9, was not located even after an extensive reconnaissance survey was conducted at the site.

4.2.1 Horizontal Delineation

To review the overall extent of groundwater contamination, EIC compiled laboratory analytical data from all sampling events completed at the site. The compiled analytical data is tabulated in Table 4-4. The latest COC maps developed from the data collected during the September 2014 sampling event are illustrated as Figures 4-12 through 4-14.

Based on these figures, the horizontal extent of the alpha, beta, delta, and gamma-BHC isomers have been delineated within the GPA's site boundary. It is also pertinent to note that the horizontal extent of alpha, beta, and delta-BHC isomers remained undefined in the hydraulically upgradient areas beyond the GPA property line.

4.2.2 Vertical Delineation

Vertical delineation at the site is completed by deep wells MW-14 and MW-17 at the site. These wells show that contamination is confined above 50 feet below ground surface.

SECTION

5

5. Fate and Transport

The main purpose of the environmental fate and transport evaluation is to assess the migration potential and related attenuation processes of the released COCs in a multimedia setting. Based on such an assessment, it is possible to establish potential exposure levels that are critical in establishing risk-based screening levels and cleanup goals. In this context, the following subsections present the latest understanding.

Typically, the BHCs identified at the site are subject to the following mechanisms:

- Physical separation of released product into other states of matter due to sorption, solubility and other equilibrium reactions. Considering that BHCs are comprised of solid material, most released material may remain in solid state mixed in with the native soil material.
- Dispersion involving horizontal and vertical spreading of partitioned or leached constituents.
- Diffusion consisting of spreading from concentration gradients.
- Biodegradation by native microorganisms along the migration pathway.
- Other attenuation processes that reduce the concentrations with time and distance.

5.1 Source Material

Based on interviews EIC conducted in August 2010, only one BHC storage event took place at the site in the 1960s. With the exception of potential impact from soil transfer activities that took place prior to 1988 (Refer to Section 2.1.1), no other onsite sources of contamination have been reported. As discussed in Section 3.2, however, there is a potential for off-site and third party BHC sources.

BHC is generally composed of insoluble crystalline solids which were generated during the production of the chemical pesticide Lindane. A chemical characteristic fact sheet for BHC is included as Attachment B.

5.2 Migration Pathways

In the VIRP, EIC identified three potential COC migration pathways for the α-BHC, β-BHC, and δ-BHC isomers. The following sections present the latest knowledgebase in this context.

5.2.1 Soil

Typically, surface runoff can carry soil contamination to drainage ditch or swales that ultimately discharge to surface waters. Contaminated sediments deposited in the drainage swales can leach contaminants to surface water. Based on sampling conducted in AOC-3, BHC was not found in the drainage ditch nor swales.

Considering that the BHC is relatively insoluble in water, soil leachate potential is minimal at the GPA site. The following three evaluations substantiated this finding.

5.2.1.1 Laboratory Testing Data

Synthetic Precipitation Leaching Procedure (SPLP) test data (GPA, 2012) from soil samples collected at the GPA property indicated that leachate from precipitation does not have a potential to exceed even Type 1 RRS levels. Toxicity Characteristic Leaching Procedure (TCLP) test data (GPA, 2012) indicated similar results.

5.2.1.2 Soil and Groundwater Analytical Results

Typically soil contamination in the vadose zone has a potential to leach contaminants from precipitation events or other driving forces. Such a leachate can migrate through the vadose zone by gravity and ultimately reach groundwater. The resulting contaminant concentrations in the groundwater would be typically based on the contaminant flux in the overlying zones. Although substantially higher concentrations of soil contamination were present in the South Parcel for several decades, however, the groundwater contamination have been historically low, indicating minimal soil leachate potential. This finding substantiates that the BHC material in the vadose zone is relatively insoluble during normal precipitation events.

5.2.1.3 Soil Leachate Potential Evaluation with comparative data

To further examine the soil leachate potential, EIC compared onsite soil and groundwater data to offsite data. Given similar hydrogeological conditions, as well as similar physical, chemical, and biological conditions in the vadose zone, contamination would be expected to have a similar leachate potential at both locations. EIC therefore compared the vadose zone soil contaminant concentrations to groundwater concentrations at two locations with similar subsurface stratigraphy. The first location was the MW-6 area, within the GPA property in the AOC-1 area, and the second location was the MW-22 area, located hydraulically upgradient of the GPA property to the north of Spring Creek Road.

The deepest soil sample at the MW-22 soil boring was collected from a depth of 10 feet below grade. As such, EIC utilized soil sample data from the sample that most closely represents the

same depth in the vicinity of MW-6 in the South Parcel. The water table elevations at MW-6 and MW-22 are 77.27 ft (21.41 ft below TOC) and 77.50 feet (24.79 feet below TOC), respectively (CH2M Hill, 2012).

Referring to Tables 2-6, β-BHC concentration in groundwater in MW-6 was as low as 1.6 parts per billion (ppb) although the soil concentrations in the vadose zone at an adjacent soil boring was 14,200 ppb (Sample ID E-16-H-121911-11-12 from Table 2-2) at a depth of 11 to 12 ft below ground surface (bgs). Also, in a soil boring from the adjacent sampling grid, the contaminant concentration was significantly higher at 1,580,000 ppb at 10 feet bgs. Meanwhile, the β-BHC concentration in the groundwater at MW-22 (hydraulically upgradient of GPA site) was as high as 33.2 ppb (Table 2-6). Such high groundwater concentration would be expected to result from a proportionately higher soil contamination in the overlying vadose zone at that location. Referring to the soil sampling data from the MW-22 soil boring, however, the β-BHC concentration in the overlying vadose zone was only 4.18 ppb at 10 feet below grade (GPA, 2012).

The striking contrast in soil and groundwater data between the on-site location at MW-6 versus hydraulically upgradient off-site location at MW-22 indicates that high soil contaminant levels in the vadose zone at GPA's south parcel do not equate to higher groundwater concentrations. Consequently, the groundwater contamination beneath the GPA property appears to have originated from a hydraulically upgradient source. Based on the aforementioned findings, it is also clear that potential leachate from the prevailing contaminated soils in AOC-1 and AOC-2 does not present a significant threat to groundwater.

5.2.2 Sediments

As discussed in Section 5.1, BHC source material was only stored at the GPA site several decades ago. No other source material has been transferred to the GPA site for storage. Also, as discussed in Section 5.2.1, BHC was not found in the drainage ditch and swales on GPA or Agrium property within AOC-3. As such, chronic discharge of BHC from GPA property into surface water or sediments is not a concern.

5.2.3 Groundwater

Typically, dissolved contaminants tend to move with the groundwater flow. Consequently, the peak plume (area of highest concentration) would be subject to a migration consistent with seepage velocity. Depending on the contaminant flux, dissolved contaminants can reach downgradient water wells or discharge to surface water. Based on data from historical groundwater sampling events, the downgradient edge of the dissolved BHC plume appears to be contained within the GPA property. In fact, the peak plume is actually diminishing over time. According to the 2009 Corrective Action Plan (CAP), no drinking water wells were found downgradient of the GPA site (CH2M Hill, 2009). As such, there appears to be no immediate down-gradient receptors of contaminated groundwater adjacent to the site.

5.2.4 Modeling

To further evaluate the migration potential in the vadose zone and groundwater, EIC is in the process of utilizing the Analytical Contaminant Transport Analysis System (ACTS) software tool. In addition, EIC will explore the application of a statistical analysis to determine the fate and transport of BHC in groundwater.

5.3 Degradation Pathways

Based on a cursory review of published literature, biodegradation appears to be a dominant attenuation mechanism for BHC. The four isomers of BHC (alpha, beta, delta, and gamma) are known to degrade under certain subsurface conditions. BHC bioremediation can occur either under anaerobic and aerobic conditions (Langenhoff et al, 2002). In general, under both anaerobic and aerobic conditions, the alpha and gamma isomers biodegrade more rapidly than the delta and beta isomers. The following subsections present additional insight into anaerobic and aerobic processes.

5.3.1 Anaerobic Degradation

According to Lal et al, (2010), *Dehalobacter sp., Clostridium sphenoides, Desulfovibrio africanus,* and other strains are known to degrade BHC under anaerobic conditions. These bacteria degrade BHC through different pathways which include dichloroelimination and dehydrochlorination (Figure 5-1) and require electron donors such as lactate, acetate, and methanol. This results in the generation of intermediate daughter products such as benzene and chlorobenzene. These daughter products, however, are known to degrade under aerobic conditions.

Although BHC can biodegrade under anaerobic conditions, several factors can constrain or enhance the anaerobic biodegradation process. Previous studies have shown that the presence of nitrate can inhibit anaerobic dechlorination of BHC. By contrast, methanogenic and sulfidogenic conditions at 20° and 30°C temperatures may accelerate the biodegradation of BHC (Middeldorp et al, 2005). Figure 5-1 illustrates the anaerobic degradation process for beta and gamma isomers.

5.3.2 Aerobic Degradation

Aerobic degradation of BHC isomers was observed with various strains of bacteria, most of which belong in the *Sphingomonadaceae* family (Lal et al, 2010). Several pathways exist for the strains capable of BHC degradation, *Sphingomonas* strains UT26, B90A, and BHC-A form pentachlorocyclohexane (PCCH) as a central metabolite for alpha, delta, and gamma isomers illustrated in Figure 5-2 (Lal et al, 2010). Both gamma and delta can be completely mineralized by strain UT26. Other strains can convert all BHC isomers into products that they cannot further metabolize such as tetrachlorocyclohexanediol (TCDL) and trichlorobenzene (Lal et al, 2010, Verma et al, 2014).

Factors that affect aerobic degradation rates include temperature and pH. Higher rates of degradation were observed at a pH range between 7.5 and 9.0 (Murthy et al, 2007, Chaudhary et

al, 2006). In addition, temperatures between 20°-30°C increase the aerobic degradation pathway (Murthy et al, 2007, Kumar et al, 2005).

5.3.3 Evaluation of Site Specific Biodegradation Potential

Considering that the COC concentrations are relatively low and contained, addition of cultured bacteria or amending temperature and pH is impractical. To evaluate site specific biodegradation potential, GPA will evaluate the potential to collect subsurface material to identify and enumerate the dominant strains of bacteria that may be persistent at the site.

5.4 Natural Attenuation Potential Evaluation with Empirical Data

In an attempt to define natural attenuation potential, EIC has evaluated empirical data collected at the site through historical site monitoring and the VIRP program. To accomplish this objective, EIC utilized the Man Kendall trend analysis tool. To factor out the potential effect of water level fluctuations, EIC only utilized analytical data corresponding to relatively same groundwater elevations. Since the Mann Kendall analysis tool requires at least four comparable sampling events for trend analysis, EIC utilized the March and April data from 2012 to 2015 for select wells. The only data that met these conditions were derived from samples collected in the spring season (March, April, and May). As more data is generated, trend analysis in other seasons can be evaluated as well.

Referring to Figure 5-3, the monitoring wells are arranged in order from left to right based on their location relative to the highest concentration at the site - near the Spring Creek Road - to the lowest concentration within the right of way along the Flint River. As such, wells MW-22 and MW-20 represent the up-gradient portion of the plume that contain the highest total BHC concentrations. Wells MW-15, MW-6, and MW-5A represent the mid-gradient portion of the plume and wells MW-8 and MW-12 represent the down-gradient portion of the plume.

From Figure 5-3, it is apparent that in all three sections of the plume, the concentrations are either decreasing, stable, or have no trend. This indicates that natural attenuation is occurring at a reasonable rate at the site.

SECTION

6

6. Potential Receptors

Potential receptors are the most important drivers in establishing cleanup goals for the site. The receptors include human and ecological receptors both on-site and down-gradient of the site.

6.1 Present and Future Land Use

The site and surrounding properties are zoned for heavy industrial use with no known plans for future rezoning. The Flint River is classified as a recreational waterway and has applicable water quality standards. The following sections describe potential receptors, given these conditions.

6.2 Human Health Receptors

According to Agency for Toxic Substance and Disease Registry (ATSDR), humans can be exposed to BHC only through direct contact such as inhalation, ingestion, or dermal contact of BHC contaminated media (ATSDR, 2005). ATSDR also states that BHC has not been produced or used in the United States since 1985. Considering that the only potential BHC storage took place in the 1960s and the soil-related activities took place in the 1980s, vapor-phase contamination is likely not persistent in surface soils, eliminating the inhalation hazard. The CAP states, "The alluvial soils and terrace deposits present in the site are not typically used as sources of drinking water." (CH2M Hill, 2009). There are no drinking water wells within the GPA property or within 0.5 to 1 miles from the affected area (HSI Listing) eliminating the ingestion hazard. Also, there is no evidence of surface water contamination resulting from the BHC contamination at GPA. Considering that the GPA has implemented engineering controls there is no direct human exposure to BHC at the site.

Future exposure would be limited to down-gradient contamination in the Flint River or from excavations of the controlled soil areas of the site. Based on the aforementioned engineering and institutional controls, surface water contamination is not a concern.

6.3 Ecological Receptors

According to ATSDR (2005), BHC in soil, sediments, and water, is broken down to less toxic substances by algae, fungi, and bacteria, over a period of time. To determine if there was a potential for rare, impaired, or critically impaired species to become receptors at the site, EIC conducted a spatial analysis of known species habitat areas and the current AOCs. This analysis was performed utilizing the Georgia Natural Heritage Program (GNHP) database for locations of rare, impaired, and critically impaired species as well as the Natural Resources Spatial Analysis Laboratory data for species habitat area.

From these data sources, EIC was able to determine that there are no rare, impaired, or critically impaired ecological receptors to the COCs, discussed in Section 4.0, at the site. A full description of each species that was analyzed, as well as maps which illustrate the locations of potential habitat areas for each species, are included in EIC's "Potential Ecological Receptors Report" in Appendix A.

SECTION

7

7. Summary

BHC was found soil and groundwater at the GPA Bainbridge Terminal, within groundwater of the adjacent Agrium property, and at hydraulically upgradient locations. GPA actively performed various site investigations and remedial activities.

A railroad spur within the property, which runs parallel to the Spring Creek Road, divides the site into North and South parcels. The contaminated soils in the North parcel were remediated by excavation and transfer to a local landfill. To address the prevailing soil and groundwater contamination at the South parcel of the GPA site, EIC prepared and implemented a VIRP approved by the EPD. The VIRP required delineation of soil in three AOCS and delineation of groundwater contamination. In addition, the VIRP required preparation of an updated SCM to define the fate and transport mechanisms at the site.

Based on the updated SCM, it is apparent that GPA has completed horizontal delineation of COCs in the soil matrix within each of the three AOCs. GPA has also implanted the tasks proposed in the VIRP for the management of contaminated soils within these AOCs.

GPA has completed horizontal delineation of the COCs within the GPA's site boundary. The horizontal extent of COCs in the hydraulically upgradient areas beyond the GPA property line, however, remains undefined.

Based on a fate and transport evaluation, it is clear that potential leachate from the prevailing contaminated soils in AOC-1 and AOC-2 do not present a significant threat to groundwater. Data from historical groundwater sampling events indicate that the downgradient edge of the dissolved BHC plume appears to be contained within the GPA property. In fact, the peak plume appears to be diminishing over time. Also, no immediate down-gradient receptors of contaminated groundwater were identified.

Considering that the GPA has implemented engineering controls, there is no direct human exposure potential to BHC at the site. Based on a field survey combined with GNHP evaluation, EIC determined that there were no known ecological receptors at the site.

Since MNA is the current remedial strategy for groundwater contamination, EIC conducted a cursory review of potential degradation pathways. Based on this review, biodegradation appears

to be a dominant attenuation mechanism for BHC. To evaluate site-specific biodegradation potential, GPA will evaluate the potential to collect subsurface material to identify and enumerate the dominant strains of bacteria that may be persistent at the site.

To further evaluate the migration potential in the vadose zone and groundwater, EIC is in the process of utilizing a contaminant transport software tool. In addition, EIC will explore application of a statistical analysis to determine the fate and transport of BHC in groundwater.

SECTION

8

8. References

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SITE CONCEPTUAL MODEL REPORT

TABLES

Table 2-1: Historical Groundwater Potentiometric Surface Elevation Table

Well ID # (Well Diameter, in.)	Current TOC Elevation (ft.)	Groundwater Potentiometric Surface Elevation (ft.)														MW Min.*	MW Max.*	MW Range*	MW Avg.*	MW Var.*
		Aug-99	Sep-01	Apr-02	Apr-08	Aug-09	Jul-11	Apr-12	Mar-13	Jun-13	Sep-13	Dec-13	Mar-14	Sep-14	Mar-15					
MW-1 (2)	105.22	NM	NM	NM	79.59	78.22	76.32	77.48	79.63	78.07	79.60	78.00	78.77	77.51	79.11	76.32	79.63	3.31	78.39	1.13
MW-1A (2)	105.33	76.54	77.22	77.38	79.57	78.47	76.33	77.48	79.62	78.06	79.58	77.97	79.88	77.50	79.11	76.33	79.88	3.55	78.19	1.42
MW-2 (2)	98.86	76.48	77.13	77.36	79.45	78.16	78.25	NM	79.54	77.97	79.41	77.89	79.83	77.39	78.98	76.48	79.83	3.35	78.30	1.13
MW-3 (2)	97.12	76.42	77.11	77.39	NL	NL	NL	NL	NL	NL	79.20	77.78	79.69	77.28	78.95	76.42	79.69	3.27	77.98	1.35
MW-4U (2)	103.51	NI	77.12	77.3	79.64	78.36	NM	77.51	79.60	78.16	79.59	77.98	79.81	77.55	78.99	77.12	79.81	2.69	78.47	1.02
MW-5A (2)	96.67	NI	NM	NM	78.96	77.91	76.35	77.32	79.12	77.71	79.07	77.71	79.38	77.24	78.94	76.35	79.38	3.03	78.16	0.98
MW-5D (2)	96.12	NI	77.1	77.36	78.40	77.92	76.37	77.36	79.16	77.77	79.10	77.76	79.36	77.31	78.94	76.37	79.36	2.99	77.99	0.86
MW-6 (2)	102.25	NI	77.17	77.7	79.24	78.70	76.40	77.46	79.53	77.87	79.25	77.81	79.59	77.39	78.96	76.40	79.59	3.19	78.24	1.06
MW-7 (2)	98.1	NI	77.09	77.49	79.74	78.50	DRY	77.56	79.67	78.11	79.75	78.19	80.01	77.58	79.41	77.09	80.01	2.92	78.59	1.13
MW-8 (2)	93.54	NI	76.6	77.4	78.75	77.79	76.34	77.25	78.64	77.52	78.88	77.69	79.20	77.22	78.90	76.34	79.20	2.86	77.86	0.86
MW-9 (2)	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NA	NA	NA	NA	NA
MW-10 (2)	99.83	NI	NI	77.45	79.75	78.52	76.33	77.58	79.72	78.10	79.76	78.12	80.07	77.58	79.08	76.33	80.07	3.74	78.51	1.39
MW-11 (2)	100.87	NI	NI	77.46	79.88	76.67	79.57	77.6	79.83	78.16	79.83	78.1	80.1	77.58	79.50	76.67	80.10	3.43	78.69	1.46
MW-12 (2)	94.06	NI	NI	77.35	78.23	77.39	76.25	76.88	78.39	77.06	78.14	77.36	78.51	76.80	78.66	76.25	78.66	2.41	77.59	0.61
MW-13 (2)	93.55	NI	NI	77.38	78.10	77.13	DRY	DRY	78.53	76.98	77.87	76.98	78.31	76.58	78.47	76.58	78.53	1.95	77.63	0.50
MW-14 (2)	102.11	NI	NI	NI	79.30	78.16	76.36	77.45	78.72	76.72	78.97	77.95	78.59	76.86	79.11	76.36	79.30	2.94	78.02	1.07
MW-15 (2)	98.13	NI	NI	NI	78.88	78.01	DRY	77.40	79.24	78.10	79.18	78.10	79.35	77.37	78.93	77.37	79.35	1.98	78.46	0.57
MW-16 (2)	97.15	NI	NI	NI	79.66	78.50	76.45	77.56	79.73	78.18	79.91	78.12	79.99	77.71	79.22	76.45	79.99	3.54	78.64	1.33
MW-17 (2)	93.65	NI	NI	NI	79.03	77.90	76.24	75.26	79.17	77.58	79.04	77.80	79.30	77.25	79.12	75.26	79.30	4.04	77.97	1.78
MW-18 (2)	95.56	NI	NI	NI	NI	78.15	76.43	77.42	79.39	77.91	79.42	77.92	79.56	77.43	79.02	76.43	79.56	3.13	78.27	1.10
MW-19 (2)	96.6	NI	NI	NI	NI	78.07	76.35	77.35	79.40	77.80	79.47	77.89	79.68	77.39	79.06	76.35	79.68	3.33	78.25	1.23
MW-20 (2)	96.57	NI	NI	NI	NI	78.48	76.38	77.49	79.68	78.08	79.73	78.08	79.93	77.57	79.29	76.38	79.93	3.55	78.47	1.37
MW-21 (2)	97.55	NI	NI	NI	NI	78.41	76.34	77.53	79.71	78.05	79.79	78.08	79.98	77.53	79.36	76.34	79.98	3.64	78.48	1.44
MW-22 (2)	98.88	NI	NI	NI	NI	NI	NM	77.47	79.74	78.10	79.75	78.12	79.96	77.57	79.28	77.47	79.96	2.49	78.75	1.08
MW-23 (2)	93.61	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	77.03	78.73	77.03	78.73	1.70	77.88	1.45
MW-24 (2)	93.07	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	78.72	NA	NA	NA	NA	NA
Event Min.*[2]		76.42	76.60	77.30	78.10	76.67	76.24	75.26	78.39	76.72	77.87	76.98	78.31	76.58	78.47	**Global Min.*[3]**		75.26		
Event Max.*[2]		76.54	77.22	77.70	79.88	78.70	79.57	77.60	79.83	78.18	79.91	78.19	80.10	77.71	79.50	**Global Max.*[3]**		80.10		
Event Range*[2]		0.12	0.62	0.40	1.78	2.03	3.33	2.34	1.44	1.46	2.04	1.21	1.79	1.13	1.03	**Global Range*[3]**		4.84		
Event Avg.*[2]		76.48	77.07	77.42	79.19	78.07	76.65	77.32	79.35	77.82	79.32	77.89	79.52	77.34	79.03	**Global Avg.*[3]**		78.03		
Event Var.*[2]		0.00	0.04	0.01	0.31	0.25	0.78	0.26	0.19	0.17	0.27	0.08	0.28	0.08	0.06	**Global Var.*[3]**		1.12		

Notes:

NI - Not Installed

NL - Not Located

NA - Not Applicable

*** = Event Min, Max, Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for each respective groundwater gauging event.

***[2] = MW Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for each monitoring well throughout all gauging events from March 203 to March 2015 where available.

***[3]= Global Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for all monitoring wells throughout all events from March 2013 to March 2015

Groundwater elevations prior to March 2013 are derived from historical groundwater monitoring reports by previous consultants

Top of casing (TOC) elevations are based on the most recent survey by Donaldson Garrett and Associates in April 2015

Table 2-2: GPA, Bainbridge Terminal, Estimated Groundwater Recharge Calculation

Given Parameters *				
Annual Precipitation (P)	63.12 in	→	5.26 ft	
Evapotranspiration (ET)	37.96 in	→	3.16 ft	
Estimated Parameters				
Drainage Area (DA)**	**113.95 acres**	→	**4,963,671 ft^2**	
Land Use Type Percentages *[3]				
Grassland (Gr%)	*30.5%*	→	*1,513,920 ft^2*	
Impervious Surface and Railroads (IS%)	*22.5%*	→	*1,116,826 ft^2*	
Woodland (Wd%)	*47.0%*	→	*2,332,925 ft^2*	
Calculated Parameters using TR-55 Method *[4]				
Composite Runoff Curve Number				
Land Use Type	**Hydrologic Soil Group**	**Curve Number**	**Composite Curve Number (CN)**	
Grassland (CN_{Gr})	B	71	→	**70**
Impervious Surface (CN_{IS})	B	98	→	
Woodland (CN_{Wd})	B	55	→	
Total Runoff (Q)				
Available Precipitation (P_a)	25.16 in	→	2.10 ft	
Runnoff (Q)	20.58 in	→	1.71 ft	
Estimated Groundwater Recharge Rate				
Groundwater Recharge Rate	4.58 in/year	→	0.38 ft/year	

Notes:

* = Precipitation and Evapotranspiration data were derived from Georgia Environmental Monitoring Network (GEMN) for the city of Attapulgus, Georgia from January 1 to December 31, 2013. Attapulgus, Georgia is approximately 12 miles south of Bainbridge, GA, where the site is located.

** = Drainage area was estimated utilizing GIS software and known historical site boundaries.

*[3] = Land use types were determined from aerial imagery available from USGS and site visit observations and were estimated utilizing GIS software. The total impervious surface at the site is the combined area of railroads, buildings, and paved areas of the site.

*[4] = TR-55 Method; Urban Hydrology for Small Watersheds, Appendix D and Appendix F, United States Department of Agriculture; Natural Resources Conservation Service -Technical Release 55; June 1986

TABLE 4-1 North Parcel Soil Sampling Results

Soil Pesticide Data Summary - Northern Sample Grid - Adjacent to Spring Creek Road (Excavation)

Georgia Ports Authority, Bainbridge Terminal

Sample Location	Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	4,4'DDE	4,4'-DDT	Aldrin	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfa	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epox	Methoxychlor	Toxaphene	alpha-BHC	alpha-Clordane	beta-BHC	delta-BHC	gamma-BHC (Lin	gamma-Chlordan	Other Field Observation(s)
Proposed Site-Specific RRS Values (ug/kg):				*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*		
North Area	NA-E11-A-EW	0-2	16-Dec-2009	179 U	179 U	179 U	89.6 U	179 U	89.6 U	179 U	179 U	179 U	179 U	179 U	89.6 U	89.6 U	896 U	8960 U	89.6 U	89.6 U	**955**	89.6 U	89.6U	89.6 U	
North Area	NA-E11-A-F	2	16-Dec-2009	**7.79 J**	**9.72**	**24**	4.54 U	9.09 U	4.54 U	9.09 U	9.09 U	9.09 U	9.09 U	9.09 U	4.54 U	4.54 U	45.4 U	454 U	**7.32**	4.54 U	**58.3**	**3.89 J**	**2.52 J**	4.54 U	
North Area	NA-E11-A-NW	0-2	16-Dec-2009	**61.2 J**	**29.5 J**	**210**	22.5 U	45.1 U	22.5 U	45.1 U	45.1 U	45.1 U	**9.12 J**	45.1 U	22.5 U	22.5 U	225 U	2250 U	**12.5 J**	22.5 U	**224**	**19.3 J**	22.5 U	22.5 U	
North Area	NA-E11-A-SW	0-2	16-Dec-2009	470 U	470 U	470 U	235 U	470 U	235 U	470 U	470 U	470 U	470 U	470 U	235 U	235 U	2350 U	23500 U	**2370**	235 U	**391 J**	235 U	235 U	235 U	
North Area	NA-E11-A-WW	0-2	16-Dec-2009	**5.24**	**12.2**	**36**	2.31 U	4.62 U	2.31 U	4.62 U	4.62 U	4.62 U	4.62 U	4.62 U	2.31 U	2.31 U	23.1 U	231 U	**3.94**	2.31 U	**12.8**	2.31 U	**1.39 J**	2.31 U	
North Area	NA-E10-E-NW	0-2	17-Dec-2009	**525**	**56.2 J**	**72.4 J**	123 U	246 U	123 U	246 U	246 U	246 U	246 U	246 U	123 U	123 U	1230 U	12300 U	**99.9 J**	123 U	**1040**	**187**	**42.5 J**	123 U	
North Area	NA-E10-E-WW	0-2	17-Dec-2009	**51.2 J**	464 U	**252**	232 U	464 U	232 U	464 U	464 U	464 U	464 U	464 U	232 U	**64.0 J**	2320 U	23200 U	**87.3 J**	232 U	**1980**	**107 J**	232 U	232 U	
North Area	NA-E10-E-EW	0-2	17-Dec-2009	4.48 U	**1.46 J**	**2.14 J**	2.24 U	4.48 U	2.24 U	4.48 U	4.48 U	4.48 U	4.48 U	4.48 U	2.24 U	2.24 U	22.4 U	224 U	**1.06 J**	2.24 U	**1.91 J**	**0.528 J**	**0.539 J**	2.24 U	
North Area	NA-EI0-E-SW	0-2	17-Dec-2009	4.60 U	**1.16 J**	**5.44**	2.3 U	4.60 U	2.3 U	4.60 U	4.60 U	4.60 U	4.60 U	4.60 U	2.30 U	2.30 U	23.00 U	230 U	**0.799 J**	**2.30 J**	**22.60**	**0.544 J**	2.30 U	2.30 U	
North Area	NA-E10-E-F	2	17-Dec-2009	**509 J**	**4650 U**	**1870 J**	2330 U	4650 U	2330 U	4650 U	4650 U	4650 U	4650 U	4650 U	2330 U	2330 U	23300 U	233000 U	**642 J**	2330 U	**25800**	2330 U	2330 U	2330 U	
North Area	NA-E10-F-SW	0-2	17-Dec-2009	**72.7 J**	**26.8 J**	**181 J**	111 U	232 U	111 U	223 U	223 U	223 U	**30.1 J**	223 U	111 U	111 U	1110 U	11100 U	**178**	111 U	**948**	111 U	**45.5 J**	111 U	
North Area	NA-E10-F-WW	0-2	17-Dec-2009	**88.7**	237 U	**227 J**	119 U	237 U	119 U	237 U	237 U	237 U	**39.7 J**	237 U	119 U	119 U	1190 U	11900 U	**1440**	119 U	**1440**	**168**	**228**	119 U	
North Area	NA-E10-F-NW	0-2	17-Dec-2009	2260 U	2260 U	2260 U	1130 U	2260 U	1130 U	2260 U	2260 U	2260 U	2260 U	2260 U	1130 U	1130 U	11300 U	113000 U	**612 J**	1130 U	**13400**	**306 J**	1130 U	1130 U	
North Area	NA-E10-F-F	2	17-Dec-2009	**32.4**	229 U	**127 J**	114 U	229 U	114 U	229 U	229 U	229 U	229 U	229 U	114 U	114 U	1140 U	11400 U	**307**	114 U	**758**	**61.2 J**	**51.9 J**	114 U	
North Area	NA-E10-F-D	2	17-Dec-2009	**19.6 J**	**12.8 J**	**89.3**	44.6 U	89.3 U	44.6 U	89.3 U	89.3 U	89.3 U	89.3 U	89.3 U	44.6 U	44.6 U	446 U	4460 U	**146**	44.6 U	**577**	**38.4 J**	**24.9 J**	44.6 U	
North Area	NA-EB01	NA	17-Dec-2009	0.102 U	0.102 U	0.102 U	0.051 U	0.102 U	0.051 U	0.102 U	0.102 U	0.102 U	0.102 U	0.102 U	0.051 U	0.051 U	0.051 U	0.51 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	
North Area	NA-E10-B1-NW	0-2	30-Dec-2009	22.5 U	22.5 U	22.5 U	11.3 U	22.5 U	11.3 U	22.5 U	22.5 U	22.5 U	22.5 U	22.5 U	11.3 U	11.3 U	113 U	1130 U	**29**	11.3 U	**87.5**	**37.4**	**5.88 J**	11.3 U	
North Area	NA-E10-B1-WW	0-2	30-Dec-2009	23900 U	23900 U	23900 U	12000 U	23900 U	12000 U	23900 U	23900 U	23900 U	23900 U	23900 U	12000 U	12000 U	120000 U	1200000 U	**126000**	12000 U	**17400 J**	120000 U	**2520 J**	12000 U	
North Area	NA-E10-B1-F	2	30-Dec-2009	**391 J**	**72.5 J**	**1730**	262 U	524 U	262 U	262 U	524 U	524 U	524 U	524 U	262 U	262 U	2620 U	26200 U	**3870**	262 U	**2500**	**561**	**459**	262 U	
North Area	NA-E10-B2-WW	0-2	30-Dec-2009	48.0 U	**8.30 J**	**40.2 J**	24.0 U	48.0 U	24.0 U	48.0 U	48.0 U	48.0 U	48.0 U	48.0 U	24.0 U	24.0 U	240 U	2400 U	**46.6**	24.0 U	**247**	24.0 U	**11.5 J**	24.0 U	
North Area	NA-E10-B2-SW	0-2	30-Dec-2009	327 U	327 U	**85.7 J**	164 U	327 U	164 U	327 U	327 U	327 U	327 U	327 U	164 U	164 U	1640 U	16400 U	**2050**	164 U	**1810**	**121 J**	**332**	164 U	
North Area	NA-E10-B2-F	2	30-Dec-2009	**639**	263 U	**1190**	132 U	263 U	132 U	263 U	**40.1 J**	263 U	263 U	263 U	132 U	132 U	1320 U	13200 U	**1930**	132 U	**1890**	**483**	**329**	132 U	
North Area	NA-E10-C1-NW	0-2	30-Dec-2009	4.60 U	4.60 U	4.60 U	2.30 U	4.60 U	2.30 U	4.60 U	4.60 U	4.60 U	4.60 U	4.60 U	2.30 U	2.30 U	23.0 U	230 U	**11.9**	2.30 U	**49.9**	**22.9**	**3.34**	2.30 U	
North Area	NA-E10-C1-EW	0-2	30-Dec-2009	**1680**	**237 J**	**421**	121 U	243 U	121 U	243 U	**253**	243 U	243 U	243 U	121 U	121 U	1210 U	12100 U	**173**	121 U	**1890**	**523**	**58.8 J**	121 U	
North Area	NA-E10-C1-F	2	30-Dec-2009	**15**	**2.71 J**	**3.01 J**	2.28 U	4.56 U	2.28 U	4.56 U	**4.04 J**	4.56 U	4.56 U	4.56 U	2.28 U	2.28 U	22.8 U	228 U	**2.06 J**	2.28 U	**15.2**	**4.58**	**0.795 J**	2.28 U	
North Area	NA-E10-C2-SW	0-2	30-Dec-2009	**171**	**29.4 J**	**77.5**	26.9 U	53.7 U	26.9 U	53.7 U	**26.5 J**	53.7 U	53.7 U	53.7 U	26.9 U	26.9 U	269 U	2690 U	**24.9 J**	26.9 U	**346**	**16.8 J**	**7.63 J**	26.9 U	
North Area	NA-E10-C2-F	2	30-Dec-2009	**334**	**35.7 J**	**78.6**	23.9 U	47.8 U	23.9 U	47.8 U	**49.8**	47.8 U	47.8 U	47.8 U	23.9 U	23.9 U	239 U	2390 U	**117**	23.9 U	**241**	**59.8**	**12.5 J**	23.9 U	
North Area	NA-E10-A-NW	0-2	30-Dec-2009	908 U	**2320**	908 U	**207 J**	908 U	454 U	908 U	908 U	908 U	908 U	908 U	454 U	454 U	4540 U	**168000**	4540 U	4540 U	**1470**	4540 U	4540 U	4540 U	
North Area	NA-E10-A-SW	0-2	30-Dec-2009	**1420**	**401 J**	**8970**	476 U	951 U	476 U	951 U	951 U	951 U	951 U	951 U	476 U	476 U	4760 U	47600 U	**4280**	476 U	**9460**	**2480**	**822**	476 U	
North Area	NA-E10-A-EW	0-2	30-Dec-2009	22.9 U	**12.8 J**	22.9 U	11.5 U	22.9 U	11.5 U	22.9 U	22.9 U	22.9 U	22.9 U	22.9 U	11.5 U	11.5 U	115 U	**1510**	**21.6**	11.5 U	**65.3**	**11.0 J**	**11.8**	11.5 U	
North Area	NA-E10-A-WW	0-2	30-Dec-2009	454 U	**1200**	454 U	**41.6 J**	454 U	227 U	454 U	454 U	454 U	454 U	454 U	227 U	**71.8 J**	2270 U	**95300**	**43.5 J**	227 U	**305 J**	**85.9 J**	227 U	227 U	
North Area	NA-E10-A-F	2	30-Dec-2009	250 U	**152 J**	**1250**	125 U	250 U	125 U	250 U	250 U	250 U	250 U	250 U	125 U	**43.8J**	1250 U	**23900**	**1390**	125 U	**2540**	**1130**	**569**	125 U	
North Area	NA-E10-G-F	2	20-Jan-2010	444 U	444 U	444 U	222 U	444 U	222 U	444 U	444 U	444 U	444 U	444 U	222 U	222 U	2220 U	**9810 J**	**546**	222 U	**1110**	**379**	**145 J**	222 U	
North Area	NA-E10-L-F	2	20-Jan-2010	97.8 U	97.8 U	97.8 U	48.9 U	97.8 U	48.9 U	97.8 U	97.8 U	97.8 U	97.8 U	97.8 U	48.9 U	48.9 U	489 U	**1260 J**	**572**	48.9 U	**582**	**136**	**74.2**	48.9 U	
North Area	NA-E10-H-F	2	20-Jan-2010	492 U	492 U	**122 J**	246 U	492 U	246 U	492 U	492 U	492 U	492 U	492 U	246 U	246 U	2460 U	24600 U	**730**	246 U	**1360**	**345**	**148 J**	246 U	
North Area	NA-E10-O-F	2	20-Jan-2010	45.4 U	45.4 U	45.4 U	22.7 U	45.4 U	22.7 U	45.4 U	45.4 U	45.4 U	45.4 U	45.4 U	22.7 U	22.7 U	227 U	**818 J**	**67.7**	22.7 U	**241**	**126**	**28.3**	22.7 U	
North Area	NA-E10-Q-F	2	20-Jan-2010	44.5 U	44.5 U	44.5 U	22.3 U	44.5 U	22.3 U	44.5 U	44.5 U	44.5 U	44.5 U	44.5 U	22.3 U	22.3 U	223 U	**9810**	**11 J**	22.3 U	**109**	**21.6 J**	**9.39 J**	22.3 U	
North Area	NA-E10-R-F	2	20-Jan-2010	9.73 U	9.73 U	9.73 U	4.87 U	9.73 U	4.87 U	9.73 U	9.73 U	9.73 U	9.73 U	9.73 U	4.87 U	4.87 U	48.7 U	487 U	**7.99**	4.87 U	**39.4**	**6.57**	**3.28 J**	4.87 U	
North Area	NA-E10-Z-F	2	20-Jan-2010	9.15 U	9.15 U	9.15 U	4.58 U	9.15 U	4.58 U	9.15 U	9.15 U	9.15 U	9.15 U	9.15 U	4.58 U	4.58 U	45.8 U	**505**	**7.33**	4.58 U	**40**	**8.22**	**8.03**	4.58 U	
North Area	NA-E10-I-F	2	27-Jan-2010	**186 J**	474 U	**326 J**	237 U	474 U	237 U	474 U	474 U	474 U	474 U	474 U	237 U	237 U	2370 U	23700 U	**1690**	237 U	**1020**	**162 J**	**152 J**	237 U	
North Area	NA-E10-J-F	2	27-Jan-2010	229 U	229 U	**200 J**	114 U	229 U	114 U	229 U	229 U	229 U	229 U	229 U	114 U	114 U	1140 U	11400 U	**1090**	114 U	**558**	**150**	**134**	114 U	
North Area	NA-E10-K-F	2	27-Jan-2010	**31.6 J**	122 U	**44.1 J**	60.9 U	122 U	60.9 U	122 U	122 U	122 U	122 U	122 U	60.9 U	60.9 U	609 U	6090 U	**742**	60.9 U	**221**	**35.6 J**	**40 J**	60.9 U	
North Area	NA-E10-M-F	2	27-Jan-2010	43.5 U	43.5 U	43.5 U	21.8 U	43.5 U	21.8 U	43.5 U	43.5 U	43.5 U	43.5 U	43.5 U	21.8 U	21.8 U	218 U	2180 U	**18.9 J**	21.8 U	**47.3**	**8.8 J**	21.8 U	21.8 U	
North Area	NA-E10-N-F	2	27-Jan-2010	45.4 U	45.4 U	45.4 U	22.7 U	45.4 U	22.7 U	45.4 U	45.4 U	45.4 U	45.4 U	45.4 U	22.7 U	22.7 U	227 U	2270 U	**7.65 J**	22.7 U	**27.4 J**	22.7 U	22.7 U	22.7 U	
North Area	NA-E10-P-F	2	27-Jan-2010	48.6 U	48.6 U	48.6 U	24.3 U	48.6 U	24.3 U	48.6 U	48.6 U	48.6 U	48.6 U	48.6 U	24.3 U	24.3 U	243 U	2430 U	**15.8 J**	24.3 U	**15.8 J**	24.3 U	24.3 U	24.3 U	
North Area	NA-E10-DUP1		28-Jan-2010	43.9 U	43.9 U	43.9 U	22 U	43.9 U	22 U	43.9 U	43.9 U	43.9 U	43.9 U	43.9 U	22 U	22 U	220 U	2200 U	**32**	22 U	**78.3**	**26.5**	**6.72 J**	22 U	
North Area	NA-E10-DUP-2		28-Jan-2010	**37.6 J**	**41.9 J**	**202 J**	107 U	215 U	107 U	215 U	215 U	215 U	215 U	215 U	107 U	107 U	1070 U	10700 U	**77.3 J**	107 U	**1400**	**30.1 J**	**21.1 J**	107 U	
North Area	NA-E10-DUP3		28-Jan-2010	**22 J**	**15.7 J**	**137**	22.5 U	45 U	22.5 U	45 U	45 U	45 U	45 U	45 U	22.5 U	22.5 U	225 U	2250 U	**56.2**	22.5 U	**135**	**21.4 J**	**12.4 J**	22.5 U	
North Area	NA-E10-DUP4		28-Jan-2010	**80.8**	**55.4**	**638**	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	**77.9**	23 U	**156**	**13.8 J**	**11.3 J**	23 U	
North Area	NA-E10-S-F		28-Jan-2010	45.2 U	45.2 U	45.2 U	22.6 U	45.2 U	22.6 U	45.2 U	45.2 U	45.2 U	45.2 U	45.2 U	22.6 U	22.6 U	226 U	2260 U	**8.84 J**	22.6 U	**40.8 J**	22.6 U	22.6 U	22.6 U	
North Area	NA-E10-S-MS		28-Jan-2010	**78.2**	**56.4**	**205**	**17.1 J**	**22.8 J**	**13 J**	**16.3 J**	**21.9 J**	**27.1 J**	**36.7 J**	**21.5 J**	**23.6**	**20.4 J**	**24.8 J**	2270 U	**1290 E**	**24.4**	**2210 E**	**283**	**450 E**	**23.7**	
North Area	NA-E10-S-MSD		28-Jan-2010	**120**	**97.3**	**319**	**23.3**	**30.7 J**	**23.2**	**25.4 J**	**34.2 J**	**36 J**	**51.8**	**32.5 J**	**36.2**	**32.1**	**38.4 J**	2270 U	**1440 E**	**38.4**	**2650 E**	**441 E**	**698 E**	**34.8**	
North Area	NA-E10-T-F		28-Jan-2010	**85.5**	**50.8**	**636**	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	**53.2**	23 U	**190**	**15 J**	**8.2 J**	23 U	
North Area	NA-E10-U-F		28-Jan-2010	**10.4 J**	**9.37 J**	**63.7**	22.1 U	44.1 U	22.1 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	22.1 U	22.1 U	221 U	2210 U	**39.4**	22.1 U	**73.9**	**10.9 J**	**7.17 J**	22.1 U	
North Area	NA-E10-V-F		28-Jan-2010	4330 U	4330 U	**1630 J**	2160 U	4330 U	2160 U	4330 U	4330 U	4330 U	4330 U	4330 U	2160 U	2160 U	21600 U	216000 U	**34900**	2160 U	**44700**	**12000**	**10900**	2160 U	
North Area	NA-E10-W-F		28-Jan-2010	44.1 U	44.1 U	44.1 U	22.1 U	44.1 U	22.1 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	22.1 U	22.1 U	221 U	2210 U	**50.9**	22.1 U	**133**	**34.3**	**11.1 J**	22.1 U	
North Area	NA-E10-X-F		28-Jan-2010	455 U	455 U	**92.4 J**	227 U	455 U	227 U	455 U	455 U	455 U	455 U	455 U	227 U	227 U	2270 U	22700 U	**901**	227 U	**2050**	**205 J**	**171 J**	227 U	
North Area	NA-E10-X-MS		28-Jan-2010	**71.7 J**	**57.5 J**	**133 J**	227 U	455 U	227 U	455 U	455 U	455 U	455 U	455 U	227 U	227 U	2270 U	22700 U	**1520**	**78.4 J**	**1920**	**243**	**366**	227 U	
North Area	NA-E10-X-MSD		28-Jan-2010	**59.5 J**	**58.7 J**	**112 J**	227 U	455 U	227 U	455 U	455 U	455 U	455 U	455 U	227 U	227 U	2270 U	22700 U	**1270**	**94.8 J**	**1620**	**212 J**	**310**	**50.4 J**	
North Area	NA-E10-Y-F		28-Jan-2010	997 U	997 U	**227 J**	499 U	997 U	499 U	997 U	997 U	997 U	997 U	997 U	499 U	499 U	4990 U	49900 U	**2390**	499 U	**6420**	**174 J**	**235 J**	499 U	
North Area	NA-E10-Y-MS		28-Jan-2010	1000 U	1000 U	1000 U	500 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	1000 U	500 U	500 U	5000 U	50000 U	**1240**	500 U	**523 J**	500 U	**142 J**	500 U	
North Area	NA-E10-Y-MSD		28-Jan-2010	1000 U	1000 U	1000 U	502 U	1000 U	502 U	1000 U	1000 U	1000 U	1000 U	1000 U	502 U	502 U	5020 U	50200 U	**1050**	502 U	**486 J**	502 U	**107 J**	502 U	
North Area	NA-E11-B-F	2	27-Jan-2010	8.72 U	8.72 U	**1.33 J**	4.36 U	8.72 U	4.36 U	8.72 U	8.72 U	8.72 U	8.72 U	8.72 U	4.36 U	4.36 U	43.6 U	436 U	**31**	4.36 U	**6.76 J**	4.36 U	**1.08 J**	4.36 U	
North Area	NA-E11-B-WW	0-2	27-Jan-2010	8.61 U	8.61 U	8.61 U	4.31 U	8.61 U	4.31 U	8.61 U	8.61 U	8.61 U	8.61 U	8.61 U	4.31 U	4.31 U	43.1 U	431 U	**1.19 J**	4.31 U	**2.06 J**	4.31 U	4.31 U	4.31 U	

TABLE 4-1 North Parcel Soil Sampling Results

Soil Pesticide Data Summary - Northern Sample Grid - Adjacent to Spring Creek Road (Excavation)

Georgia Ports Authority, Bainbridge Terminal

Sample Location	Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	4,4'DDE	4,4'-DDT	Aldrin	Dieldrin	Endsulfan I	Endosulfan II	Endosulfan Sulfa	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epox	Methoxychlor	Toxaphene	alpha-BHC	alpha-Clordane	beta-BHC	delta-BHC	gamma-BHC (Lin	gamma-Chlordan	Other Field Observation(s)
Proposed Site-Specific RRS Values (ug/kg):				*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*		
North Area	NA-E11-C-EW	0-2	27-Jan-2010	1810 U	1810 U	292 J	906 U	1810 U	906 U	1810 U	1810 U	1810 U	1810 U	1810 U	906 U	906 U	9060 U	90600 U	906 U	906 U	**12300**	906 U	906 U	906 U	
North Area	NA-E11-C-F	2	27-Jan-2010	44.6 U	**16.2 J**	**55.6**	22.3 U	44.6 U	22.3 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	22.3 U	22.3 U	223 U	2230 U	**8.73 J**	22.3 U	**235**	**8.05 J**	22.3 U	22.3 U	
North Area	NA-E12-A-NW	0-2	19-Jan-2010	41.8 U	41.8 U	41.8 U	20.9 U	41.8 U	20.9 U	41.8 U	41.8 U	41.8 U	41.8 U	41.8 U	20.9 U	20.9 U	209 U	**9930**	**11.5 J**	20.9 U	**46.1**	**4.61 J**	**5.66 J**	20.9 U	
North Area	NA-E12-A-WW	0-2	19-Jan-2010	**27.3**	**13 J**	**22.5 J**	11.8 U	23.6 U	11.8 U	23.6 U	23.6 U	23.6U	23.6 U	23.6 U	11.8 U	**7.83 J**	118 U	1180 U	**51**	**3.31 J**	**142**	**104**	**13.8**	**7.94 J**	
North Area	NA-E12-A-F	2	19-Jan-2010	**1.32 J**	**1.44 J**	4.79 U	2.4 U	4.79 U	2.4 U	4.79 U	**0.947 J**	4.79 U	4.79 U	4.79 U	2.4 U	**0.599 J**	24 U	240 U	**1.68 J**	2.4 U	**19.2**	**6.23**	**0.58 J**	**0.863 J**	
North Area	NA-E12-B-NW	0-2	19-Jan-2010	**43.2 J**	**65.3**	**66.2**	24.3 U	48.7 U	24.3 U	48.7 U	**33.2 J**	48.7 U	48.7 U	48.7 U	24.3 U	24.3 U	243 U	2430 U	**29.6**	24.3 U	**211**	**13 J**	**11 J**	24.3 U	
North Area	NA-E12-B-EW	0-2	19-Jan-2010	**197**	**79.2**	**30.7 J**	25 U	49.9 U	25 U	49.9 U	**97.6**	49.9 U	49.9 U	49.9 U	25 U	25 U	250 U	2500 U	**116**	25 U	**175**	**258**	**51.9**	25 U	
North Area	NA-E12-B-F	2	19-Jan-2010	**652**	**122**	**49.4**	24.6 U	49.2 U	24.6 U	49.2 U	**250**	49.2 U	49.2 U	49.2 U	24.6 U	24.6 U	246 U	2460 U	**96.3**	24.6 U	**382**	**135**	**22.8 J**	**15 J**	
North Area	NA-E12-C-SW	0-2	19-Jan-2010	4.56 U	**1.39 J**	4.56 U	2.28 U	4.56 U	2.28 U	4.56 U	4.56 U	4.56 U	4.56 U	4.56 U	2.28 U	**1.85 J**	22.8 U	228 U	**1.56 J**	2.28 U	**13.1**	**2.08 J**	**1.59 J**	2.28 U	
North Area	NA-E12-C-WW	0-2	19-Jan-2010	4.6 U	**1.02 J**	4.6 U	2.3 U	4.6 U	2.3 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	**1.38 J**	23 U	230 U	**0.884 J**	2.3 U	**8.16**	**1.26 J**	**0.926 J**	2.3 U	
North Area	NA-E12-C-F	2	19-Jan-2010	**0.716 J**	5.06 U	5.06 U	2.53 U	5.06 U	2.53 U	5.06 U	5.06 U	5.06 U	5.06 U	5.06 U	2.53 U	2.53 U	25.3 U	253 U	2.53 U	2.53 U	**2.51 J**	2.53 U	2.53 U	2.53 U	
North Area	NA-E12-D-EW	0-2	19-Jan-2010	**40.5**	**62.4**	**35.5**	12.2 U	24.4 U	12.2 U	24.4 U	24.4 U	24.4 U	**4.18 J**	24.4 U	12.2 U	12.2 U	122 U	1220 U	**7.1 J**	12.2 U	**83.3**	**6.24 J**	**2.49 J**	**3.31 J**	
North Area	NA-E12-D-SW	0-2	19-Jan-2010	23.2 U	23.2 U	23.2 U	11.6 U	23.2 U	11.6 U	23.2 U	23.2 U	23.2 U	23.2 U	23.2 U	11.6 U	11.6 U	116 U	1160 U	**12.8**	11.6 U	**139**	**15.1**	**3.21 J**	11.6 U	
North Area	NA-E12-D-F	2	19-Jan-2010	4.89 U	4.89 U	4.89 U	2.44 U	4.89 U	2.44 U	4.89 U	4.89 U	4.89 U	4.89 U	4.89 U	2.44 U	2.44 U	24.4 U	244 U	2.44 U	2.44 U	**1.96J**	2.44 U	2.44 U	2.44 U	
North Area	NA-E13-A-NW	0-2	19-Jan-2010	4.74 U	4.74 U	4.74 U	2.37 U	4.74 U	2.37 U	4.74 U	4.74 U	4.74 U	4.74 U	4.74 U	2.37 U	2.37 U	23.7 U	237 U	**0.728 J**	2.37 U	**9.43**	2.37 U	**1.55 J**	2.37 U	
North Area	NA-E13-A-WW	0-2	19-Jan-2010	23.5 U	**6.88 J**	**15.4 J**	11.7 U	23.5 U	11.7 U	23.5 U	23.5 U	23.5 U	23.5 U	23.5 U	11.7 U	11.7 U	117 U	1170 U	**9.85 J**	11.7 U	**78.3**	**2.97 J**	**9.61 J**	11.7 U	
North Area	NA-E13-A-F	2	19-Jan-2010	**12.1 J**	**15.7 J**	**13.6 J**	22.1 U	44.3 U	22.1 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.1 U	22.1 U	221 U	2210 U	**18 J**	22.1 U	**210**	**9.65 J**	**6.51 J**	22.1 U	
North Area	NA-E13-B-EW	0-2	20-Jan-2010	**366**	**933**	**1690**	124 U	249 U	124 U	249 U	249 U	249 U	249 U	249 U	124 U	124 U	1240 U	12400 U	124 U	124 U	**123 J**	124 U	124 U	124 U	
North Area	NA-E13-B-F	2	20-Jan-2010	4.41 U	**2.56 J**	**1.67 J**	2.2 U	4.41 U	2.2 U	4.41 U	4.41 U	4.41 U	4.41 U	4.41 U	2.2 U	**0.967 J**	22 U	220 U	**1.02 J**	2.2 U	**17.8**	**0.834 J**	**0.581 J**	2.2 U	
North Area	NA-E13-B-NW	0-2	20-Jan-2010	4.43 U	**0.776 J**	**1.58 J**	2.21 U	4.43 U	2.21 U	4.43 U	4.43 U	4.43 U	4.43 U	4.43 U	2.21 U	2.21 U	22.1 U	221 U	**3.26**	2.21 U	**8.89**	2.21 U	2.21 U	2.21 U	
North Area	NA-E13-C-F	2	20-Jan-2010	113 U	113 U	113 U	56.4 U	113 U	56.4 U	113 U	113 U	113 U	113 U	113 U	56.4 U	56.4 U	564 U	5640 U	**16 J**	56.4 U	**422**	56.4 U	56.4 U	56.4 U	
North Area	NA-E13-C-SW	0-2	20-Jan-2010	86.5 U	**17.5 J**	**27.4 J**	43.2 U	86.5 U	43.2 U	86.5 U	86.5 U	86.5 U	86.5 U	86.5 U	43.2 U	43.2 U	432 U	4320 U	**25.2 J**	43.2 U	**318**	**18.6 J**	**13.1 J**	43.2 U	
North Area	NA-E13-C-WW	0-2	20-Jan-2010	**4.46 J**	**8.45 J**	**23.2**	11.6 U	23.2 U	11.6 U	23.2 U	23.2 U	23.2 U	23.2 U	23.2 U	11.6 U	11.6 U	116 U	1160 U	**15**	11.6 U	**60.2**	**6.22 J**	**5.53 J**	11.6 U	
North Area	NA-E13-D-EW	0-2	20-Jan-2010	23.4 U	**6.06 J**	**17.8 J**	11.7 U	23.4 U	11.7 U	23.4 U	23.4 U	23.4 U	23.4 U	23.4 U	11.7 U	11.7 U	117 U	1170 U	**16.6**	11.7 U	**53.5**	**5.47 J**	**4.87 J**	11.7 U	
North Area	NA-E13-D-F	2	20-Jan-2010	**19.4 J**	**13.8 J**	**61.2**	11.4 U	22.9 U	11.4 U	22.9 U	22.9 U	22.9 U	22.9 U	22.9 U	11.4 U	11.4 U	114 U	1140 U	**6.91 J**	11.4 U	**97.9**	11.4 U	11.4 U	11.4 U	
North Area	NA-E13-D-SW	0-2	20-Jan-2010	**31 J**	**35.5 J**	**13.8 J**	22.8 U	45.5 U	22.8 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	22.8 U	22.8 U	228 U	2280 U	22.8 U	22.8 U	**43.7 J**	22.8 U	22.8 U	22.8 U	
Week of March 1st																									
North Area	NA-E10-DUP1		05-Mar-2010	46.9 U	46.9 U	46.9 U	23.4 U	46.9 U	23.4 U	46.9 U	46.9 U	46.9 U	46.9 U	46.9 U	23.4 U	23.4 U	234 U	2340 U	**6.55 J**	23.4 U	46.9 U	23.4 U	23.4 U	23.4 U	
North Area	NA-E10-G-F(2.5-3.0)	2.5-3	04-Mar-2010	94.6 U	94.6 U	94.6 U	47.3 U	94.6 U	47.3 U	94.6 U	94.6 U	94.6 U	94.6 U	94.6 U	47.3 U	47.3 U	473 U	**5270**	**9.64 J**	47.3 U	**79 J**	**13.4 J**	**18 J**	47.3 U	
North Area	NA-E10-G-F(3.0-3.5)	3-3.5	04-Mar-2010	45.2 U	45.2 U	45.2 U	22.6 U	45.2 U	22.6 U	45.2 U	45.2 U	45.2 U	45.2 U	45.2 U	22.6 U	22.6 U	226 U	2260 U	22.6 U	22.6 U	45.2 U	22.6 U	22.6 U	22.6 U	
North Area	NA-E10-H-F(2.5-3.0)	2.5-3	04-Mar-2010	23800 U	23800 U	23800 U	11900 U	23800 U	11900 U	23800 U	23800 U	23800 U	23800 U	23800 U	11900 U	11900 U	119000 U	1190000 U	**126000**	11900 U	**36100**	**4570 J**	**6520 J**	11900 U	
North Area	NA-E10-H-F(3.0-3.5)	3-3.5	04-Mar-2010	**4120 J**	23400 U	23400 U	11700 U	23400 U	11700 U	23400 U	23400 U	23400 U	23400 U	23400 U	11700 U	11700 U	117000 U	1170000 U	**119000**	11700 U	**27100**	**8840 J**	**10800 J**	11700 U	
North Area	NA-E10-L-F(2.5-3.0)	2.5-3	04-Mar-2010	1910 U	1910 U	1910 U	954 U	1910 U	954 U	1910 U	1910 U	1910 U	1910 U	1910 U	954 U	954 U	9540 U	95400 U	**8970**	954 U	**3110**	**1320**	**3650**	954 U	
North Area	NA-E10-L-F(3.0-3.5)	3-3.5	04-Mar-2010	227 U	227 U	**34.4 J**	113 U	227 U	113 U	227 U	227 U	227 U	227 U	227 U	113 U	113 U	1130 U	11300 U	**1010**	113 U	**287**	**95.3 J**	**130**	113 U	
North Area	NA-E10-X-F(2.5-3.0)	2.5-3	05-Mar-2010	9090 U	9090 U	9090 U	4540 U	9090 U	4540 U	9090 U	9090 U	9090 U	9090 U	9090 U	4540 U	4540 U	45400 U	454000 U	**58400**	4540 U	**20600**	4540 U	**2100 J**	4540 U	
North Area	NA-E10-X-F(3.0-3.5)	3-3.5	05-Mar-2010	45.8 U	45.8 U	45.8 U	22.9 U	45.8 U	22.9 U	45.8 U	45.8 U	45.8 U	45.8 U	45.8 U	22.9 U	22.9 U	229 U	2290 U	**6.93 J**	22.9 U	45.8 U	22.9 U	22.9 U	22.9 U	
North Area	NA-E10-Y-F(2.5-3.0)	2.5-3	05-Mar-2010	44.5 U	44.5 U	44.5 U	22.3 U	44.5 U	22.3 U	44.5 U	44.5 U	44.5 U	44.5 U	44.5 U	22.3 U	22.3 U	223 U	2230 U	22.3 U	22.3 U	44.5 U	22.3 U	22.3 U	22.3 U	
North Area	NA-E10-Y-F(3.0-3.5)	3-3.5	05-Mar-2010	45.5 U	45.5 U	45.5 U	22.7 U	45.5 U	22.7 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	22.7 U	22.7 U	227 U	2270 U	22.7 U	22.7 U	45.5 U	22.7 U	22.7 U	22.7 U	
North Area	NA-E10-Y-F(3.0-3.5)MS	3-3.5	05-Mar-2010	**16.6 J**	**19.8 J**	**17.3 J**	**19.6 J**	**19.7 J**	**18.9 J**	**18.2 J**	**19.7 J**	**20.8 J**	**17.5 J**	**17.7 J**	**21.8 J**	**21.5 J**	**21.4 J**	2240 U	**20.6 J**	**23.1**	**20.8 J**	**20.1 J**	**19.6 J**	**22.1 J**	
North Area	NA-E10-Y-F(3.0-3.5)MSD	3-3.5	05-Mar-2010	**16.7 J**	**18.5 J**	**17.5 J**	**19.7 J**	**19.4 J**	**18.4 J**	**19 J**	**20.1 J**	**21.3 J**	**17.1 J**	**18 J**	**22.2 J**	**20 J**	**20.9 J**	2250 U	**22.1 J**	**22.3 J**	**22.4 J**	**20 J**	**20.5 J**	**19.4 J**	
North Area	NA-E12-A-WW10(0-2)	0-2	05-Mar-2010	47.5 U	47.5 U	47.5 U	23.8 U	47.5 U	23.8 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.8 U	23.8 U	238 U	2380 U	23.8 U	23.8 U	47.5 U	23.8 U	23.8 U	23.8 U	
North Area	NA-E12-A-WW15(0-2)	0-2	05-Mar-2010	47.6 U	47.6 U	47.6 U	23.8 U	47.6 U	23.8 U	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U	23.8 U	23.8 U	238 U	2380 U	23.8 U	23.8 U	47.6 U	23.8 U	23.8 U	23.8 U	
North Area	NA-E12-A-WW5(0-2)	0-2	05-Mar-2010	47.4 U	47.4 U	47.4 U	23.7 U	47.4 U	23.7 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	23.7 U	23.7 U	237 U	2370 U	**35**	23.7 U	**157**	**15.7 J**	**20.1 J**	23.7 U	
North Area	NA-E12-A-WW-D		05-Mar-2010	47.3 U	47.3 U	47.3 U	23.6 U	47.3 U	23.6 U	47.3 U	47.3 U	47.3 U	47.3 U	47.3 U	23.6 U	23.6 U	236 U	2360 U	23.6 U	23.6 U	47.3 U	23.6 U	23.6 U	23.6 U	
North Area	NA-E12-B-F(2.5-3.0)	2.5-3	04-Mar-2010	48.5 U	48.5 U	48.5 U	24.3 U	48.5 U	24.3 U	48.5 U	48.5 U	48.5 U	48.5 U	48.5 U	24.3 U	24.3 U	243 U	2430 U	24.3 U	24.3 U	48.5 U	24.3 U	24.3 U	24.3 U	
North Area	NA-E12-B-F(3.0-3.5)	3-3.5	04-Mar-2010	48.7 U	48.7 U	48.7 U	24.3 U	48.7 U	24.3 U	48.7 U	48.7 U	48.7 U	48.7 U	48.7 U	24.3 U	24.3 U	243 U	2430 U	24.3 U	24.3 U	48.7 U	24.3 U	24.3 U	24.3 U	
North Area	NA-E10-I-F(2.5-3.0)	2.5-3	08-Mar-2010	47.6 U	47.6 U	**13.1 J**	23.8 U	47.6 U	23.8 U	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U	23.8 U	23.8 U	238 U	2380 U	**48.9**	23.8 U	**85.9**	**7.76 J**	**7.28 J**	23.8 U	
North Area	NA-E10-I-F(3.0-3.5)	3-3.5	08-Mar-2010	50.4 U	50.4 U	50.4 U	25.2 U	50.4 U	25.2 U	50.4 U	50.4 U	50.4 U	50.4 U	50.4 U	25.2 U	25.2 U	252 U	2520 U	**66**	25.2 U	50.4 U	25.2 U	25.2 U	25.2 U	
North Area	NA-E10-J-F(2.5-3.0)	2.5-3	08-Mar-2010	45.7 U	45.7 U	45.7 U	22.9 U	45.7 U	22.9 U	45.7 U	45.7 U	45.7 U	45.7 U	45.7 U	22.9 U	22.9 U	229 U	2290 U	22.9 U	22.9 U	45.7 U	22.9 U	22.9 U	22.9 U	
North Area	NA-E10-J-F(3.0-3.5)	3-3.5	08-Mar-2010	45.7 U	45.7 U	45.7 U	22.8 U	45.7 U	22.8 U	45.7 U	45.7 U	45.7 U	45.7 U	45.7 U	22.8 U	22.8 U	228 U	2280 U	22.8 U	22.8 U	45.7 U	22.8 U	22.8 U	22.8 U	
North Area	NA-E10-K-F(2.5-3.0)	2.5-3	08-Mar-2010	44.7 U	44.7 U	44.7 U	22.3 U	44.7 U	22.3 U	44.7 U	44.7 U	44.7 U	44.7 U	44.7 U	22.3 U	22.3 U	223 U	2230 U	22.3 U	22.3 U	44.7 U	22.3 U	22.3 U	22.3 U	
North Area	NA-E10-K-F(3.0-3.5)	3-3.5	08-Mar-2010	44.6 U	44.6 U	44.6 U	22.3 U	44.6 U	22.3 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	22.3 U	22.3 U	223 U	2230 U	22.3 U	22.3 U	44.6 U	22.3 U	22.3 U	22.3 U	
North Area	NA-E10-O-F(3.5-4.0)	3.5-4	08-Mar-2010	47.5 U	47.5 U	47.5 U	23.7 U	47.5 U	23.7 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.7 U	23.7 U	237 U	2370 U	**54.1**	23.7 U	**27.7 J**	23.7 U	**9.14 J**	23.7 U	
North Area	NA-E10-O-F(4.0-4.5)	4-4.5	08-Mar-2010	48.5 U	48.5 U	48.5 U	24.3 U	48.5 U	24.3 U	48.5 U	48.5 U	48.5 U	48.5 U	48.5 U	24.3 U	24.3 U	243 U	2430 U	**42**	24.3 U	**14.8 J**	24.3 U	**8.26 J**	24.3 U	
North Area	NA-E11-C-EW10(0-2)	0-2	09-Mar-2010	43.5 U	43.5 U	43.5 U	21.7 U	43.5 U	21.7 U	43.5 U	43.5 U	43.5 U	43.5 U	43.5 U	21.7 U	21.7 U	217 U	2170 U	21.7 U	21.7 U	**8.45 J**	21.7 U	21.7 U	21.7 U	
North Area	NA-E11-C-EW15(0-2)	0-2	09-Mar-2010	44.2 U	44.2 U	44.2 U	22.1 U	44.2 U	22.1 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	22.1 U	22.1 U	221 U	2210 U	22.1 U	22.1 U	44.2 U	22.1 U	22.1 U	22.1 U	
North Area	NA-E11-C-EW5(0-2)	0-2	09-Mar-2010	44.3 U	44.3 U	44.3 U	22.2 U	44.3 U	22.2 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.2 U	22.2 U	222 U	2220 U	22.2 U	22.2 U	44.3 U	22.2 U	22.2 U	22.2 U	
North Area	NA-E11-C-EW-DUP10		09-Mar-2010	52.4 U	52.4 U	52.4 U	26.2 U	52.4 U	26.2 U	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U	26.2 U	26.2 U	262 U	2620 U	26.2 U	26.2 U	52.4 U	26.2 U	26.2 U	26.2 U	
North Area	NA-E11-C-EWF(2.5-3.0)	2.5-3	09-Mar-2010	43.7 U	43.7 U	**9.62 J**	21.9 U	43.7 U	21.9 U	43.7 U	43.7 U	43.7 U	43.7 U	43.7 U	21.9 U	21.9 U	219 U	2190 U	**5.69 J**	21.9 U	**31.7 J**	21.9 U	21.9 U	21.9 U	
North Area	NA-E11-C-EWF(3.0-3.5)	3-3.5	09-Mar-2010	44.3 U	44.3 U	44.3 U	22.1 U	44.3 U	22.1 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.1 U	22.1 U	221 U	2210 U	22.1 U	22.1 U	**67**	22.1 U	22.1 U	22.1 U	
North Area	NA-E12-A-WW-DUP8		09-Mar-2010	51 U	51 U	51 U	25.5 U	51 U	25.5 U	51 U	51 U	51 U	51 U	51 U	25.5 U	25.5 U	255 U	**153 J**	25.5 U	25.5 U	**20 J**	25.5 U	25.5 U	25.5 U	
North Area	NA-E12-A-WWF(2.5-3.0)	2.5-3	09-Mar-2010	47.4 U	47.4 U	47.4 U	23.7 U	47.4 U	23.7 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	23.7 U	23.7 U	237 U	**391 J**	23.7 U	23.7 U	**18.9 J**	23.7 U	23.7 U	23.7 U	
North Area	NA-E12-A-WWF(3.0-3.5)	3-3.5	09-Mar-2010	45.5 U	45.5 U	45.5 U	22.8 U	45.5 U	22.8 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	22.8 U	22.8 U	228 U	2280 U	22.8 U	22.8 U	45.5 U	22.8 U	22.8 U	22.8 U	
North Area	NA-E12-A-WWF-DUP9		09-Mar-2010	46.1 U	46.1 U	46.1 U	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	23 U	23 U	**9.04 J**	23 U	23 U	23 U	

TABLE 4-1 North Parcel Soil Sampling Results

Soil Pesticide Data Summary - Northern Sample Grid - Adjacent to Spring Creek Road (Excavation)

Georgia Ports Authority, Bainbridge Terminal

Sample Location	Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	4,4'DDE	4,4'-DDT	Aldrin	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene	alpha-BHC	alpha-Clordane	beta-BHC	delta-BHC	gamma-BHC (Lindane)	gamma-Chlordane	Other Field Observation(s)
Proposed Site-Specific RRS Values (ug/kg):				***11,000***	***7,700***	***11,000***	***660***												***660***		***3,100***	***100***	***12,000***		
North Area	NA-E12-B-EW10(0-2)	0-2	09-Mar-2010	**49.6 J**	**34 J**	242 U	121 U	242 U	121 U	242 U	242 U	242 U	242 U	242 U	121 U	121 U	1210 U	12100 U	**40.4 J**	121 U	**1530**	121 U	121 U	121 U	
North Area	NA-E12-B-EW15(0-2)	0-2	09-Mar-2010	**17.8 J**	**11.1 J**	93.5 U	46.7 U	93.5 U	46.7 U	93.5 U	93.5 U	93.5 U	93.5 U	93.5 U	46.7 U	46.7 U	467 U	4670 U	**24.5 J**	46.7 U	**515**	**27.2 J**	**9.99 J**	46.7 U	
North Area	NA-E12-B-EW5(0-2)	0-2	09-Mar-2010	46.5 U	46.5 U	46.5 U	23.2 U	46.5 U	23.2 U	46.5 U	46.5 U	46.5 U	46.5 U	46.5 U	23.2 U	23.2 U	232 U	2320 U	23.2 U	23.2 U	46.5 U	23.2 U	23.2 U	23.2 U	
North Area	NA-E12-B-EW-DUP3		09-Mar-2010	46.3 U	46.3 U	46.3 U	23.1 U	46.3 U	23.1 U	46.3 U	46.3 U	46.3 U	46.3 U	46.3 U	23.1 U	23.1 U	231 U	**255 J**	23.1 U	23.1 U	**21.6 J**	23.1 U	23.1 U	23.1 U	
North Area	NA-E12-B-EW-DUP4		09-Mar-2010	**65.8 J**	**32.7 J**	**11.7 J**	45.7 U	91.4 U	45.7 U	91.4 U	91.4 U	91.4 U	91.4 U	91.4 U	45.7 U	45.7 U	457 U	4570 U	**29.8 J**	45.7 U	**612**	**18.7 J**	**11.8 J**	45.7 U	
North Area	NA-E12-B-EW-DUP5		09-Mar-2010	**10.5 J**	90.4 U	90.4 U	45.2 U	90.4 U	45.2 U	90.4 U	90.4 U	90.4 U	90.4 U	90.4 U	45.2 U	45.2 U	452 U	4520 U	**19.4 J**	45.2 U	**507**	**20.8 J**	**8.97 J**	45.2 U	
North Area	NA-E12-B-EWF(2.5-3.0)	2.5-3	09-Mar-2010	52.9 U	52.9 U	**13.3 J**	26.4 U	52.9 U	26.4 U	52.9 U	52.9 U	52.9 U	52.9 U	52.9 U	26.4 U	26.4 U	264 U	2640 U	26.4 U	26.4 U	52.9 U	26.4 U	26.4 U	26.4 U	
North Area	NA-E12-B-EWF(3.0-3.5)	3-3.5	09-Mar-2010	**1240**	**389**	**107**	48.2 U	96.5 U	48.2 U	96.5 U	96.5 U	96.5 U	96.5 U	96.5 U	48.2 U	48.2 U	482 U	4820 U	**70.4**	48.2 U	**650**	**131**	**27.3 J**	48.2 U	
North Area	NA-E12-B-EWF-DUP6		09-Mar-2010	46.8 U	46.8 U	46.8 U	23.4 U	46.8 U	23.4 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	23.4 U	23.4 U	234 U	2340 U	23.4 U	23.4 U	46.8 U	23.4 U	23.4 U	23.4 U	
North Area	NA-E12-B-EWF-DUP7		09-Mar-2010	**945**	**341**	**124 J**	132 U	265 U	132 U	265 U	265 U	265 U	265 U	265 U	132 U	132 U	1320 U	13200 U	**59.3 J**	132 U	**1150**	**108 J**	132 U	132 U	
Week of April 19																									
North Area	NA-E10-H-F(3.5-4.0)	3.5-4.0	19-Apr-2010	92.1 U	92.1 U	92.1 U	46 U	92.1 U	46 U	92.1 U	92.1 U	92.1 U	92.1 U	92.1 U	46 U	46 U	460 U	4600 U	**9.78 J**	46 U	92.1 U	46 U	46 U	46 U	
North Area	NA-E10-H-F(4.0-4.5)	4.0-4.5	19-Apr-2010	90.9 U	90.9 U	90.9 U	45.5 U	90.9 U	45.5 U	90.9 U	90.9 U	90.9 U	90.9 U	90.9 U	45.5 U	45.5 U	455 U	4550 U	**8.3 J**	45.5 U	90.9 U	45.5 U	45.5 U	45.5 U	
North Area	NA-E10-L-F(3.5-4.0)	3.5-4.0	19-Apr-2010	4.43 U	4.43 U	4.43 U	2.22 U	4.43 U	2.22 U	4.43 U	4.43 U	4.43 U	4.43 U	4.43 U	2.22 U	2.22 U	22.2 U	222 U	**2.34**	2.22 U	**1.82 J**	2.22 U	2.22 U	2.22 U	
North Area	NA-E10-L-F(4.0-4.5)	4.0-4.5	19-Apr-2010	89.3 U	89.3 U	89.3 U	44.6 U	89.3 U	44.6 U	89.3 U	89.3 U	89.3 U	89.3 U	89.3 U	44.6 U	44.6 U	446 U	4460 U	**14.5 J**	44.6 U	89.3 U	44.6 U	44.6 U	44.6 U	
North Area	NA-E12-B-EW10(3.5-4.0)	3.5-4.0	20-Apr-2010	92 U	92 U	92 U	46 U	92 U	46 U	92 U	92 U	92 U	92 U	92 U	46 U	46 U	460 U	4600 U	46 U	46 U	**15 J**	46 U	46 U	46 U	
North Area	NA-E12-B-EW10(4.0-4.5)	4.0-4.5	20-Apr-2010	92 U	92 U	92 U	46 U	92 U	46 U	92 U	92 U	92 U	92 U	92 U	46 U	46 U	460 U	4600 U	46 U	46 U	92 U	46 U	46 U	46 U	
North Area	NA-E12-B-EW15(3.5-4.0)	3.5-4.0	20-Apr-2010	93.3 U	93.3 U	93.3 U	46.7 U	93.3 U	46.7 U	93.3 U	93.3 U	93.3 U	93.3 U	93.3 U	46.7 U	46.7 U	467 U	4670 U	46.7 U	46.7 U	**28 J**	46.7 U	46.7 U	46.7 U	
North Area	NA-E12-B-EW15(4.0-4.5)	4.0-4.5	20-Apr-2010	96.3 U	96.3 U	96.3 U	48.2 U	96.3 U	48.2 U	96.3 U	96.3 U	96.3 U	96.3 U	96.3 U	48.2 U	48.2 U	482 U	4820 U	48.2 U	48.2 U	**16.9 J**	48.2 U	48.2 U	48.2 U	
North Area	NA-E12-B-EW20(2.5-3.0)	2.5-3.0	20-Apr-2010	93.2 U	93.2 U	93.2 U	46.6 U	93.2 U	46.6 U	93.2 U	93.2 U	93.2 U	93.2 U	93.2 U	46.6 U	46.6 U	466 U	4660 U	46.6 U	46.6 U	**23.3 J**	46.6 U	46.6 U	46.6 U	
North Area	NA-E12-B-EW20(3.0-3.5)	3.0-3.5	20-Apr-2010	94.3 U	94.3 U	94.3 U	47.1 U	94.3 U	47.1 U	94.3 U	94.3 U	94.3 U	94.3 U	94.3 U	47.1 U	47.1 U	471 U	4710 U	47.1 U	47.1 U	94.3 U	47.1 U	47.1 U	47.1 U	
North Area	NA-E12-B-EW25(2.5-3.0)	2.5-3.0	20-Apr-2010	94.6 U	94.6 U	94.6 U	47.3 U	94.6 U	47.3 U	94.6 U	94.6 U	94.6 U	10.2 J	94.6 U	47.3 U	47.3 U	473 U	4730 U	47.3 U	47.3 U	**20.2 J**	47.3 U	47.3 U	47.3 U	
North Area	NA-E12-B-EW25(3.0-3.5)	3.0-3.5	20-Apr-2010	96.2 U	96.2 U	96.2 U	48.1 U	96.2 U	48.1 U	96.2 U	96.2 U	96.2 U	96.2 U	96.2 U	48.1 U	48.1 U	481 U	4810 U	48.1 U	48.1 U	**15.7 J**	48.1 U	48.1 U	48.1 U	
North Area	NA-E12-B-EW5(3.5-4.0)	3.5-4.0	20-Apr-2010	2260 U	2260 U	2260 U	1130 U	2260 U	1130 U	2260 U	2260 U	2260 U	2260 U	2260 U	1130 U	1130 U	11300 U	113000 U	**42,000**	1130 U	**12,500**	**3,180**	**1810**	1130 U	
North Area	NA-E12-B-EW5(4.0-4.5)	4.0-4.5	20-Apr-2010	91.1 U	91.1 U	91.1 U	45.5 U	91.1 U	45.5 U	91.1 U	91.1 U	91.1 U	91.1 U	91.1 U	45.5 U	45.5 U	455 U	4550 U	**12.6 J**	45.5 U	**18.3 J**	45.5 U	45.5 U	45.5 U	

Notes:

Unless otherwise stated, all concentrations are reported in micrograms per kilogram (ug/Kg).

Bold values indicate detection either above the Method Detection Limit (MDL) or less than or more than the Reporting Limit (RL). If concentrations are reported at less than the RL, the value is accompanied by a "J" qualifier.

Bolded, italicized values indicate detection above the proposed Site-Specific Risk Reduction Standards (RRS).

J = Concentration detected at or above the MDL.

Toxaphene does not have a site-specific RRS value but the highlighted value is above the GA EPD notification concentration.

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

Proposed Site-Specific RRS Values (ug/kg):				***11,000***	***7,700***	***11,000***	***660***											***660***		***3,100***	***100***	***12,000***	
Sample Location	**Sample Identification**	**Sample Depth (ft)**	**Sample Date**	**4,4'DDD**	**4,4'DDE**	**4,4'-DDT**	**Aldrin**	**Dieldrin**	**Endsulfan I**	**Endosulfan II**	**Endosulfan Sulfate**	**Endrin**	**Endrin Aldehyde**	**Endrin Ketone**	**Heptchlor**	**Heptachlor Epoxide**	**Methoxychlor**	**Toxaphene**	**alpha-BHC**	**alpha-Clordane**	**beta-BHC**	**delta-BHC**	**gamma-BHC (Lindane)**	**gamma-Chlordane**
South Area	SA-E14-EW	0-2	19-Jan-2010	46.6 U	46.6 U	**7.18 J**	23.3 U	46.6 U	23.3 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	23.3 U	23.3 U	233 U	2330 U	23.3 U	23.3 U	**222**	23.3 U	23.3 U	23.3 U
South Area	SA-E14-F	2	19-Jan-2010	5.52 U	5.52 U	5.52 U	2.76 U	5.52 U	2.76 U	5.52 U	5.52 U	5.52 U	5.52 U	5.52 U	2.76 U	2.76 U	27.6 U	276 U	2.76 U	2.76 U	5.52 U	2.76 U	2.76 U	2.76 U
South Area	SA-E14-NW	0-2	19-Jan-2010	462 U	462 U	462 U	231 U	462 U	231 U	462 U	462 U	462 U	462 U	462 U	231 U	231 U	2310 U	23100 U	231 U	231 U	**2340**	231 U	231 U	231 U
South Area	SA-E14-SW	0-2	19-Jan-2010	9.9 U	**3.86 J**	**3.29 J**	4.95 U	9.9 U	4.95 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	4.95 U	4.95 U	49.5 U	495 U	**1.92 J**	4.95 U	**82.2**	4.95 U	4.95 U	4.95 U
South Area	SA-E14-WW	0-2	19-Jan-2010	9.32 U	9.32 U	9.32 U	4.66 U	9.32 U	4.66 U	9.32 U	9.32 U	9.32 U	9.32 U	9.32 U	4.66 U	4.66 U	46.6 U	466 U	4.66 U	4.66 U	**7.08 J**	4.66 U	4.66 U	4.66 U
South Area	SA-E15-A-EW	0-2	21-Jan-2010	4810 U	4810 U	4810 U	2400 U	4810 U	2400 U	4810 U	4810 U	4810 U	4810 U	4810 U	2400 U	2400 U	24000 U	240000 U	**31800**	2400 U	**13400**	**706 J**	**2990**	2400 U
South Area	SA-E15-A-EW10(0-2)	0-2	10-Mar-2010	46.6 U	46.6 U	46.6 U	23.3 U	46.6 U	23.3 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	23.3 U	23.3 U	233 U	2330 U	23.3 U	23.3 U	**24.8 J**	23.3 U	23.3 U	23.3 U
South Area	SA-E15-A-EW15(0-2)	0-2	10-Mar-2010	46.4 U	46.4 U	46.4 U	23.2 U	46.4 U	23.2 U	46.4 U	46.4 U	46.4 U	46.4 U	46.4 U	23.2 U	23.2 U	232 U	2320 U	**281**	23.2 U	**118**	23.2 U	**7.55 J**	23.2 U
South Area	SA-E15-A-EW5(0-2)	0-2	10-Mar-2010	46 U	46 U	46 U	23 U	46 U	23 U	46 U	46 U	46 U	46 U	46 U	23 U	23 U	230 U	2300 U	23 U	23 U	**53.8**	23 U	23 U	23 U
South Area	SA-E15-A-EWF(2.5-3.0)	2.5-3	10-Mar-2010	46.1 U	46.1 U	46.1 U	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	23 U	23 U	**12.8 J**	23 U	23 U	23 U
South Area	SA-E15-A-EWF(3.0-3.5)	3-3.5	10-Mar-2010	45.3 U	45.3 U	45.3 U	22.6 U	45.3 U	22.6 U	45.3 U	45.3 U	45.3 U	45.3 U	45.3 U	22.6 U	22.6 U	226 U	2260 U	**13.7 J**	22.6 U	**14.9 J**	22.6 U	22.6 U	22.6 U
South Area	SA-E15-A-F	2	21-Jan-2010	47.1 U	47.1 U	47.1 U	23.6 U	47.1 U	23.6 U	47.1 U	47.1 U	47.1 U	47.1 U	47.1 U	23.6 U	23.6 U	236 U	2360 U	**130**	23.6 U	**64**	**6.76 J**	**7.6 J**	23.6 U
South Area	SA-E15-A-NW	0-2	21-Jan-2010	229 U	229 U	229 U	115 U	229 U	115 U	229 U	229 U	229 U	229 U	229 U	115 U	115 U	1150 U	11500 U	**1720**	115 U	**1160**	115 U	**66 J**	115 U
South Area	SA-E15-A-NW10(0-2)	0-2	09-Mar-2010	46.5 U	46.5 U	46.5 U	23.3 U	46.5 U	23.3 U	46.5 U	46.5 U	46.5 U	46.5 U	46.5 U	23.3 U	23.3 U	233 U	2330 U	23.3 U	23.3 U	**57.5**	23.3 U	23.3 U	23.3 U
South Area	SA-E15-A-NW15(0-2)	0-2	09-Mar-2010	473 U	473 U	473 U	237 U	473 U	237 U	473 U	473 U	473 U	473 U	473 U	237 U	237 U	2370 U	23700 U	**3200**	237 U	**1300**	237 U	**135 J**	237 U
South Area	SA-E15-A-NW5(0-2)	0-2	09-Mar-2010	46.3 U	46.3 U	46.3 U	23.1 U	46.3 U	23.1 U	46.3 U	46.3 U	46.3 U	46.3 U	46.3 U	23.1 U	23.1 U	231 U	2310 U	**129**	23.1 U	**79.7**	23.1 U	23.1 U	23.1 U
South Area	SA-E15-A-NWF(2.5-3.0)	2.5-3	09-Mar-2010	45.8 U	45.8 U	45.8 U	22.9 U	45.8 U	22.9 U	45.8 U	45.8 U	45.8 U	45.8 U	45.8 U	22.9 U	22.9 U	229 U	2290 U	22.9 U	22.9 U	**17.5 J**	22.9 U	22.9 U	22.9 U
South Area	SA-E15-A-NWF(3.0-3.5)	3-3.5	09-Mar-2010	44.4 U	44.4 U	44.4 U	22.2 U	44.4 U	22.2 U	44.4 U	44.4 U	44.4 U	44.4 U	44.4 U	22.2 U	22.2 U	222 U	2220 U	22.2 U	22.2 U	**24.6 J**	22.2 U	22.2 U	22.2 U
South Area	SA-E15-A-WW	0-2	21-Jan-2010	472 U	472 U	472 U	236 U	472 U	236 U	472 U	472 U	472 U	472 U	472 U	236 U	236 U	2360 U	23600 U	**1530**	236 U	**3540**	236 U	**73.2 J**	236 U
South Area	SA-E15-A-WW-D	0-2	21-Jan-2010	464 U	464 U	464 U	232 U	464 U	232 U	464 U	464 U	464 U	464 U	464 U	232 U	232 U	2320 U	23200 U	**977**	232 U	**3490**	232 U	232 U	232 U
South Area	SA-E15-BD-1(0-2)	0-2	10-Mar-2010	22600 U	22600 U	22600 U	11300 U	22600 U	11300 U	22600 U	22600 U	22600 U	22600 U	22600 U	11300 U	11300 U	113000 U	1130000 U	**115000**	11300 U	**29900**	11300 U	**3100 J**	11300 U
South Area	SA-E15-BD-2(0-2)	0-2	10-Mar-2010	94500 U	94500 U	94500 U	47300 U	94500 U	47300 U	94500 U	94500 U	94500 U	94500 U	94500 U	47300 U	47300 U	473000 U	4730000 U	**733000**	47300 U	**156000**	**28800 J**	**46800 J**	47300 U
South Area	SA-E15-BD-3(0-2)	0-2	10-Mar-2010	46000 U	46000 U	46000 U	23000 U	46000 U	23000 U	46000 U	46000 U	46000 U	46000 U	46000 U	23000 U	23000 U	230000 U	2300000 U	**356000**	23000 U	**81600**	23000 U	**11200 J**	23000 U
South Area	SA-E15-BD-F(2.5-3.0)	2.5-3	10-Mar-2010	232 U	232 U	232 U	116 U	232 U	116 U	232 U	232 U	232 U	232 U	232 U	116 U	116 U	1160 U	11600 U	**1100**	116 U	**295**	116 U	**37.8 J**	116 U
South Area	SA-E15-BD-F(3.0-3.5)	3-3.5	10-Mar-2010	47.5 U	47.5 U	47.5 U	23.8 U	47.5 U	23.8 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.8 U	23.8 U	238 U	2380 U	**155**	23.8 U	**81**	23.8 U	**11.5 J**	23.8 U
South Area	SA-E15-B-EW	0-2	21-Jan-2010	22700 U	22700 U	22700 U	11400 U	22700 U	11400 U	22700 U	22700 U	22700 U	22700 U	22700 U	11400 U	11400 U	114000 U	1140000 U	**805000**	11400 U	**173000**	**42600**	**42700**	11400 U
South Area	SA-E15-B-F	2	21-Jan-2010	48600 U	48600 U	48600 U	24300 U	48600 U	24300 U	48600 U	48600 U	48600 U	48600 U	48600 U	24300 U	24300 U	243000 U	2430000 U	**295000**	24300 U	**67500**	**13500 J**	**18700 J**	24300 U
South Area	SA-E15-B-F(2.5-3.0)	2.5-3	09-Mar-2010	235 U	235 U	235 U	117 U	235 U	117 U	235 U	235 U	235 U	235 U	235 U	117 U	117 U	1170 U	11700 U	**1190**	117 U	**988**	**238**	**133**	117 U
South Area	SA-E15-B-F(3.0-3.5)	3-3.5	09-Mar-2010	47.2 U	47.2 U	47.2 U	23.6 U	47.2 U	23.6 U	47.2 U	47.2 U	47.2 U	47.2 U	47.2 U	23.6 U	23.6 U	236 U	2360 U	**365**	23.6 U	**130**	**34.2**	**51.9**	23.6 U
South Area	SA-E15-B-WW	0-2	21-Jan-2010	934 U	934 U	934 U	467 U	934 U	467 U	934 U	934 U	934 U	934 U	934 U	467 U	467 U	4670 U	46700 U	**741**	467 U	**7520**	**129 J**	467 U	467 U
South Area	SA-E15-C-F	2	21-Jan-2010	504 U	504 U	504 U	252 U	504 U	252 U	504 U	504 U	504 U	504 U	504 U	252 U	252 U	2520 U	25200 U	**1860**	252 U	**1370**	252 U	**67.2 J**	252 U
South Area	SA-E15-C-F(2.5-3.0)	2.5-3	09-Mar-2010	50.1 U	50.1 U	50.1 U	25.1 U	50.1 U	25.1 U	50.1 U	50.1 U	50.1 U	50.1 U	50.1 U	25.1 U	25.1 U	251 U	2510 U	**44.1**	25.1 U	**117**	**12.6 J**	25.1 U	25.1 U
South Area	SA-E15-C-F(3.0-3.5)	3-3.5	09-Mar-2010	47.6 U	47.6 U	47.6 U	23.8 U	47.6 U	23.8 U	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U	23.8 U	23.8 U	238 U	2380 U	**28.8**	23.8 U	**204**	**9.95 J**	23.8 U	23.8 U
South Area	SA-E15-C-SW	0-2	22-Jan-2010	47500 U	47500 U	47500 U	23700 U	47500 U	23700 U	47500 U	47500 U	47500 U	47500 U	47500 U	23700 U	23700 U	237000 U	2370000 U	**2890000**	23700 U	**326000**	**68700**	**133000**	23700 U
South Area	SA-E15-C-WW	0-2	22-Jan-2010	20000 U	20000 U	20000 U	9990 U	20000 U	9990 U	20000 U	20000 U	20000 U	20000 U	20000 U	9990 U	9990 U	99900 U	999000 U	**31700**	9990 U	**101000**	9990 U	**5110 J**	9990 U
South Area	SA-E15-D-EW	0-2	22-Jan-2010	18.4 U	18.4 U	18.4 U	9.18 U	18.4 U	9.18 U	18.4 U	18.4 U	18.4 U	18.4 U	18.4 U	9.18 U	9.18 U	91.8 U	918 U	**18.3**	9.18 U	**77**	9.18 U	9.18 U	9.18 U
South Area	SA-E15-D-F	2	22-Jan-2010	46.6 U	46.6 U	46.6 U	23.3 U	46.6 U	23.3 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	23.3 U	23.3 U	233 U	2330 U	**75.8**	23.3 U	**231**	23.3 U	23.3 U	23.3 U
South Area	SA-E15-D-NW	0-2	22-Jan-2010	467 U	467 U	467 U	233 U	467 U	233 U	467 U	467 U	467 U	467 U	467 U	233 U	233 U	2330 U	23300 U	**2950**	233 U	**1730**	233 U	**145 J**	233 U
South Area	SA-E15-D-SW	0-2	22-Jan-2010	116 U	116 U	116 U	58.1 U	116 U	58.1 U	116 U	116 U	116 U	116 U	116 U	58.1 U	58.1 U	581 U	5810 U	**14.8 J**	58.1 U	**782**	58.1 U	58.1 U	58.1 U
South Area	SA-E16-A-F	2	22-Jan-2010	4.78 U	4.78 U	4.78 U	2.39 U	4.78 U	2.39 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	2.39 U	2.39 U	23.9 U	239 U	**8.42**	2.39 U	**13**	**7.52**	**4.06**	2.39 U
South Area	SA-E16-A-NW	0-2	22-Jan-2010	5.36 U	5.36 U	5.36 U	2.68 U	5.36 U	2.68 U	5.36 U	5.36 U	5.36 U	5.36 U	5.36 U	2.68 U	2.68 U	26.8 U	268 U	**8.94**	2.68 U	**25.4**	**6.18**	**3.31**	2.68 U
South Area	SA-E16-A-WW	0-2	22-Jan-2010	25.8 U	25.8 U	25.8 U	12.9 U	25.8 U	12.9 U	25.8 U	25.8 U	25.8 U	25.8 U	25.8 U	12.9 U	12.9 U	129 U	1290 U	**50.1**	12.9 U	**96.9**	**56.3**	**17.3**	12.9 U
South Area	SA-E16-A-WW-D	0-2	22-Jan-2010	10.3 U	10.3 U	10.3 U	5.16 U	10.3 U	5.16 U	10.3 U	10.3 U	10.3 U	10.3 U	10.3 U	5.16 U	5.16 U	51.6 U	516 U	**31**	5.16 U	**66.7**	**38.6**	**11.5**	5.16 U
South Area	SA-E16-B-F	2	22-Jan-2010	4.58 U	4.58 U	4.58 U	2.29 U	4.58 U	2.29 U	4.58 U	4.58 U	4.58 U	4.58 U	4.58 U	2.29 U	2.29 U	22.9 U	229 U	**5.36**	2.29 U	**32.5**	2.29 U	**0.648 J**	2.29 U
South Area	SA-E16-B-NW	0-2	22-Jan-2010	10700 U	10700 U	10700 U	5370 U	10700 U	5370 U	10700 U	10700 U	10700 U	10700 U	10700 U	5370 U	5370 U	53700 U	537000 U	**3890 J**	5370 U	**53000**	5370 U	5370 U	5370 U
South Area	SA-E16-C (2.5-3.0)-F	2.5-3	04-Mar-2010	45.6 U	45.6 U	**39.5 J**	22.8 U	45.6 U	22.8 U	45.6 U	45.6 U	45.6 U	45.6 U	45.6 U	22.8 U	22.8 U	228 U	2280 U	**125**	22.8 U	**1600**	**90.1**	**171**	22.8 U
South Area	SA-E16-C (3.0-3.5)-F	3-3.5	04-Mar-2010	92.4 U	92.4 U	92.4 U	46.2 U	92.4 U	46.2 U	92.4 U	92.4 U	92.4 U	92.4 U	92.4 U	46.2 U	46.2 U	462 U	4620 U	**27.6 J**	46.2 U	**352**	**19.8 J**	**43.6 J**	46.2 U
South Area	SA-E16-C-F	2	22-Jan-2010	1770 U	1770 U	1770 U	887 U	1770 U	887 U	1770 U	1770 U	1770 U	1770 U	1770 U	887 U	887 U	8870 U	88700 U	887 U	887 U	**7820**	887 U	887 U	887 U
South Area	SA-E16-C-NW	0-2	22-Jan-2010	9040 U	9040 U	9040 U	4520 U	9040 U	4520 U	9040 U	9040 U	9040 U	9040 U	9040 U	4520 U	4520 U	45200 U	452000 U	**33000**	4520 U	**17900**	4520 U	**1030 J**	4520 U
South Area	SA-E16-D-F	2	22-Jan-2010	929 U	929 U	929 U	464 U	929 U	464 U	929 U	929 U	929 U	929 U	929 U	464 U	464 U	4640 U	46400 U	**4350**	464 U	**2420**	464 U	**136 J**	464 U
South Area	SA-E16-D-F(3.5-4.0)	3.5-4.0	29-Apr-2010	49.4 U	49.4 U	49.4 U	24.7 U	49.4 U	24.7 U	49.4 U	49.4 U	49.4 U	49.4 U	49.4 U	24.7 U	24.7 U	247 U	2470 U	**60.2**	24.7 U	**110**	**8.17 J**	**11 J**	24.7 U
South Area	SA-E16-D-F(4.0-4.5)	4.0-4.5	29-Apr-2010	45.1 U	45.1 U	45.1 U	22.6 U	45.1 U	22.6 U	45.1 U	45.1 U	45.1 U	45.1 U	45.1 U	22.6 U	22.6 U	226 U	2260 U	**58.1**	22.6 U	**69.5**	**6.68 J**	**8.2 J**	22.6 U
South Area	SA-E16-D-F(4.5-5.0)	4.5-5.0	29-Apr-2010	47.2 U	47.2 U	47.2 U	23.6 U	47.2 U	23.6 U	47.2 U	47.2 U	47.2 U	47.2 U	47.2 U	23.6 U	23.6 U	236 U	2360 U	**21 J**	23.6 U	**65.3**	**7.36 J**	**5.54 J**	23.6 U
South Area	SA-E16-D-NW	0-2	22-Jan-2010	452 U	452 U	**169 J**	226 U	452 U	226 U	452 U	452 U	452 U	452 U	452 U	226 U	226 U	2260 U	22600 U	**584**	226 U	**2370**	**355**	**72.2 J**	226 U
South Area	SA-E16-E(2.5-3.0)-F	2.5-3	04-Mar-2010	4490 U	4490 U	4490 U	2240 U	4490 U	2240 U	4490 U	4490 U	4490 U	4490 U	4490 U	2240 U	2240 U	22400 U	224000 U	**55500**	2240 U	**18700**	**1240 J**	**2030 J**	2240 U
South Area	SA-E16-E(3.0-3.5)-F	3-3.5	04-Mar-2010	23000 U	23000 U	23000 U	11500 U	23000 U	11500 U	23000 U	23000 U	23000 U	23000 U	23000 U	11500 U	11500 U	115000 U	1150000 U	**46200**	11500 U	**10800 J**	11500 U	**3240 J**	11500 U
South Area	SA-E16-E-EW	0-2	22-Jan-2010	92.2 U	92.2 U	92.2 U	46.1 U	92.2 U	46.1 U	92.2 U	92.2 U	92.2 U	92.2 U	92.2 U	46.1 U	46.1 U	461 U	4610 U	46.1 U	46.1 U	92.2 U	46.1 U	46.1 U	46.1 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

		Proposed Site-Specific RRS Values (ug/kg):		*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*	
South Area	SA-E16-E-F	2	22-Jan-2010	893 U	893 U	893 U	446 U	893 U	446 U	893 U	893 U	893 U	893 U	893 U	446 U	446 U	4460 U	44600 U	**4280**	446 U	**5900**	446 U	**306 J**	446 U
South Area	SA-E16-E-F(3.5-4.0)	3.5-4.0	19-Apr-2010	92.6 U	92.6 U	92.6 U	46.3 U	92.6 U	46.3 U	92.6 U	92.6 U	92.6 U	92.6 U	92.6 U	46.3 U	46.3 U	463 U	4630 U	**952**	46.3 U	**337**	**232**	**255**	46.3 U
South Area	SA-E16-E-F(4.0-4.5)	4.0-4.5	19-Apr-2010	90.6 U	90.6 U	90.6 U	45.3 U	90.6 U	45.3 U	90.6 U	90.6 U	90.6 U	90.6 U	90.6 U	45.3 U	45.3 U	453 U	4530 U	**466**	45.3 U	**170**	**84**	**114**	45.3 U
South Area	SA-E16-E-F(4.5-5.0)	4.5-5.0	26-Apr-2010	47.2 U	47.2 U	47.2 U	23.6 U	47.2 U	23.6 U	47.2 U	47.2 U	47.2 U	47.2 U	47.2 U	23.6 U	23.6 U	236 U	2360 U	**4.47 J**	23.6 U	**17.7 J**	**5.43 J**	**7.27 J**	23.6 U
South Area	SA-E16-E-NW	0-2	22-Jan-2010	1810 U	1810 U	1810 U	906 U	1810 U	906 U	1810 U	1810 U	1810 U	1810 U	1810 U	906 U	906 U	9060 U	90600 U	**8400**	906 U	**2840**	906 U	**205 J**	906 U
South Area	SA-E16-F-F	2	25-Jan-2010	8.58 U	8.58 U	8.58 U	4.29 U	8.58 U	4.29 U	8.58 U	8.58 U	8.58 U	8.58 U	8.58 U	4.29 U	4.29 U	42.9 U	429 U	**4.13 J**	4.29 U	**13.9**	**10.9**	**1.41 J**	4.29 U
South Area	SA-E16-F-WW	0-2	25-Jan-2010	933 U	933 U	933 U	467 U	933 U	467 U	933 U	933 U	933 U	933 U	933 U	467 U	467 U	4670 U	46700 U	**1980**	467 U	**4600**	467 U	467 U	467 U
South Area	SA-E16-G(2.5-3.0)-F	2.5-3	04-Mar-2010	95000 U	95000 U	95000 U	47500 U	95000 U	47500 U	95000 U	95000 U	95000 U	95000 U	95000 U	47500 U	47500 U	475000 U	4750000 U	**2380000**	47500 U	**671000**	**82000**	**64100**	47500 U
South Area	SA-E16-G(3.0-3.5)-F	3-3.5	04-Mar-2010	47000 U	47000 U	47000 U	23500 U	47000 U	23500 U	47000 U	47000 U	47000 U	47000 U	47000 U	23500 U	23500 U	235000 U	2350000 U	**2140000**	23500 U	**356000**	**47500**	**119000**	23500 U
South Area	SA-E16-G-F	2	25-Jan-2010	22900 U	22900 U	22900 U	11500 U	22900 U	11500 U	22900 U	22900 U	22900 U	22900 U	22900 U	11500 U	11500 U	115000 U	1150000 U	**230000**	11500 U	**99000**	**7260 J**	**6240 J**	11500 U
South Area	SA-E16-G-F (10-11)	10.0-11.0	6/9/2010	42.2 U	42.2 U	42.2 U	21.1 U	42.2 U	21.1 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	21.1 U	21.1 U	211 U	2110 U	21.1 U	21.1 U	**10.2 J**	21.1 U	21.1 U	21.1 U
South Area	SA-E16-G-F (11-12)	11.0-12.0	6/9/2010	41.6 U	41.6 U	41.6 U	20.8 U	41.6 U	20.8 U	41.6 U	41.6 U	41.6 U	41.6 U	41.6 U	20.8 U	20.8 U	208 U	2080 U	20.8 U	20.8 U	**13.5 J**	20.8 U	20.8 U	20.8 U
South Area	SA-E16-G-F (8-9)	8.0-9.0	6/9/2010	42.8 U	42.8 U	42.8 U	21.4 U	42.8 U	21.4 U	42.8 U	42.8 U	42.8 U	42.8 U	42.8 U	21.4 U	21.4 U	214 U	2140 U	**2100 J**	21.4 U	**715 J**	**193**	**271**	21.4 U
South Area	SA-E16-G-F (9-10)	9.0-10.0	6/9/2010	41.2 U	41.2 U	41.2 U	20.6 U	41.2 U	20.6 U	41.2 U	41.2 U	41.2 U	41.2 U	41.2 U	20.6 U	20.6 U	206 U	2060 U	**6.8 J**	20.6 U	**18.1 J**	**4.53 J**	20.6 U	20.6 U
South Area	SA-E16-G-F(3.5-4.0)	3.5-4.0	27-Apr-2010	221000 U	221000 U	221000 U	111000 U	221000 U	111000 U	221000 U	221000 U	221000 U	221000 U	221000 U	111000 U	111000 U	1110000 U	11100000 U	**1,030,000**	111000 U	221000 U	111000 U	111000 U	111000 U
South Area	SA-E16-G-F(4.0-4.5)	4.0-4.5	27-Apr-2010	2290 U	2290 U	2290 U	1150 U	2290 U	1150 U	2290 U	2290 U	2290 U	2290 U	2290 U	1150 U	1150 U	11500 U	115000 U	**11,600**	1150 U	**9,490**	**2,080**	**996 J**	1150 U
South Area	SA-E16-G-F(4.5-5.0)	4.5-5.0	27-Apr-2010	469 U	469 U	469 U	234 U	469 U	234 U	469 U	469 U	469 U	469 U	469 U	234 U	234 U	2340 U	23400 U	**2,600,000**	234 U	**260,000**	**33,200 J**	**101,000**	234 U
South Area	SA-E16-G-F(5.0-6.0)	5.0-6.0	27-Apr-2010	229 U	229 U	229 U	114 U	229 U	114 U	229 U	229 U	229 U	229 U	229 U	114 U	114 U	1140 U	11400 U	**2850**	114 U	**832**	**510**	**160**	114 U
South Area	SA-E16-G-F(6.0-7.0)	6.0-7.0	27-Apr-2010	227 U	227 U	227 U	113 U	227 U	113 U	227 U	227 U	227 U	227 U	227 U	113 U	113 U	1130 U	11300 U	**3920**	113 U	**686**	**446**	**169**	113 U
South Area	SA-E16-G-F(7.0-8.0)	7.0-8.0	27-Apr-2010	44.9 U	44.9 U	44.9 U	22.5 U	44.9 U	22.5 U	44.9 U	44.9 U	44.9 U	44.9 U	44.9 U	22.5 U	22.5 U	225 U	2250 U	**111**	22.5 U	**108**	**350**	**9.28 J**	22.5 U
South Area	SA-E16-H(2.5-3.0)-F	2.5-3	04-Mar-2010	22500 U	22500 U	22500 U	11300 U	22500 U	11300 U	22500 U	22500 U	22500 U	22500 U	22500 U	11300 U	11300 U	113000 U	1130000 U	**55500**	11300 U	**180000**	**8920 J**	**3280 J**	11300 U
South Area	SA-E16-H(3.0-3.5)-F	3-3.5	04-Mar-2010	91500 U	91500 U	91500 U	45700 U	91500 U	45700 U	91500 U	91500 U	91500 U	91500 U	91500 U	45700 U	45700 U	457000 U	4570000 U	**3210000**	45700 U	**1840000**	**107000**	**161000**	45700 U
South Area	SA-E16-H-F	2	25-Jan-2010	22900 U	22900 U	22900 U	11400 U	22900 U	11400 U	22900 U	22900 U	22900 U	22900 U	22900 U	11400 U	11400 U	114000 U	1140000 U	**1150000**	11400 U	**1030000**	**43600**	**51800**	11400 U
South Area	SA-E16-H-F (2-4)	2.0-4.0	6/10/2010	41.2 U	41.2 U	41.2 U	20.6 U	41.2 U	20.6 U	41.2 U	41.2 U	41.2 U	41.2 U	41.2 U	20.6 U	20.6 U	206 U	2060 U	**292**	20.6 U	**84.6**	**18.4 J**	**70**	20.6 U
South Area	SA-E16-H-F (4-6)	4.0-6.0	6/10/2010	41.7 U	41.7 U	41.7 U	20.9 U	41.7 U	20.9 U	41.7 U	41.7 U	41.7 U	41.7 U	41.7 U	20.9 U	20.9 U	209 U	2090 U	**13.7 J**	20.9 U	**12.4 J**	**4.54 J**	**4.68 J**	20.9 U
South Area	SA-E16-H-F (6-8)	6.0-8.0	6/10/2010	40.2 U	40.2 U	40.2 U	20.1 U	40.2 U	20.1 U	40.2 U	40.2 U	40.2 U	40.2 U	40.2 U	20.1 U	20.1 U	201 U	2010 U	**5.63 J**	20.1 U	40.2 U	20.1 U	20.1 U	20.1 U
South Area	SA-E16-H-F (8.0-9.0)	8.0-9.0	6/3/2010	240 U	240 U	240 U	120 U	240 U	120 U	240 U	240 U	240 U	240 U	240 U	120 U	120 U	1200 U	12000 U	**1540**	120 U	**3760**	**934**	**209**	120 U
South Area	SA-E16-H-F (8-10)	8.0-10.0	6/10/2010	39.8 U	39.8 U	39.8 U	19.9 U	39.8 U	19.9 U	39.8 U	39.8 U	39.8 U	39.8 U	39.8 U	19.9 U	19.9 U	199 U	1990 U	**6.81 J**	19.9 U	39.8 U	**8.96 J**	19.9 U	19.9 U
South Area	SA-E16-H-F (9.0-10.0)	9.0-10.0	6/3/2010	88 U	88 U	88 U	44 U	88 U	44 U	88 U	88 U	88 U	88 U	88 U	44 U	44 U	440 U	4400 U	**484**	44 U	**694**	**330**	**30.3 J**	44 U
South Area	SA-E16-H-F(3.5-4.0)	3.5-4.0	20-Apr-2010	23200 U	23200 U	23200 U	11600 U	23200 U	11600 U	23200 U	23200 U	23200 U	23200 U	23200 U	11600 U	11600 U	116000 U	1160000 U	**128,000**	11600 U	**104,000**	**19,800**	**19,800**	11600 U
South Area	SA-E16-H-F(4.0-4.5)	4.0-4.5	20-Apr-2010	23000 U	23000 U	23000 U	11500 U	23000 U	11500 U	23000 U	23000 U	23000 U	23000 U	23000 U	11500 U	11500 U	115000 U	1150000 U	**323,000**	11500 U	**115,000**	**17,300**	**23,100**	11500 U
South Area	SA-E16-H-F(4.5-5.0)	4.5-5.0	26-Apr-2010	57.6 U	57.6 U	57.6 U	28.8 U	57.6 U	28.8 U	57.6 U	57.6 U	57.6 U	57.6 U	57.6 U	28.8 U	28.8 U	288 U	2880 U	**12,700**	28.8 U	**2,460 J**	**1,440**	**2,310**	28.8 U
South Area	SA-E16-H-F(5.0-6.0)	5.0-6.0	26-Apr-2010	237 U	237 U	237 U	118 U	237 U	118 U	237 U	237 U	237 U	237 U	237 U	118 U	118 U	1180 U	11800 U	**6190**	118 U	**1330**	**898**	**1530**	118 U
South Area	SA-E16-H-F(6.0-7.0)	6.0-7.0	26-Apr-2010	286 U	286 U	286 U	143 U	286 U	143 U	286 U	286 U	286 U	286 U	286 U	143 U	143 U	1430 U	14300 U	**4020**	143 U	**672**	**672**	**653**	143 U
South Area	SA-E16-H-F(7.0-8.0)	7.0-8.0	26-Apr-2010	44.9 U	44.9 U	44.9 U	22.5 U	44.9 U	22.5 U	44.9 U	44.9 U	44.9 U	44.9 U	44.9 U	22.5 U	22.5 U	225 U	2250 U	**1620**	22.5 U	**259**	**304**	**216**	22.5 U
South Area	SA-E16-I (2.5-3.0)	2.5-3	03-Mar-2010	9130 U	9130 U	9130 U	4570 U	9130 U	4570 U	9130 U	9130 U	9130 U	9130 U	9130 U	4570 U	4570 U	45700 U	457000 U	**48600**	4570 U	**20800**	**5780**	**3180 J**	4570 U
South Area	SA-E16-I (3.0-3.5)	3-3.5	03-Mar-2010	8850 U	8850 U	8850 U	4430 U	8850 U	4430 U	8850 U	8850 U	8850 U	8850 U	8850 U	4430 U	4430 U	44300 U	443000 U	**55900**	4430 U	**14600**	**1350 J**	**2110 J**	4430 U
South Area	SA-E16-I-F	2	25-Jan-2010	4450 U	4450 U	4450 U	2230 U	4450 U	2230 U	4450 U	4450 U	4450 U	4450 U	4450 U	2230 U	2230 U	22300 U	223000 U	**19000**	2230 U	**24600**	**4440**	**938 J**	2230 U
South Area	SA-E16-I-F (10-11)	10.0-11.0	6/10/2010	43.9 U	43.9 U	43.9 U	22 U	43.9 U	22 U	43.9 U	43.9 U	43.9 U	43.9 U	43.9 U	22 U	22 U	220 U	2200 U	**35.2**	22 U	**56.2**	**31.7**	**45.2**	22 U
South Area	SA-E16-I-F (11-12)	11.0-12.0	6/10/2010	43.5 U	43.5 U	43.5 U	21.8 U	43.5 U	21.8 U	43.5 U	43.5 U	43.5 U	43.5 U	43.5 U	21.8 U	21.8 U	218 U	2180 U	**34.9**	21.8 U	**81.8**	**39.8**	**44.7**	21.8 U
South Area	SA-E16-I-F (8-9)	8.0-9.0	6/3/2010	240 U	240 U	240 U	120 U	240 U	120 U	240 U	240 U	240 U	240 U	240 U	120 U	120 U	1200 U	12000 U	**6870**	120 U	**1000**	**271**	**832**	120 U
South Area	SA-E16-I-F (8-9)	8.0-9.0	6/10/2010	43.1 U	43.1 U	43.1 U	21.6 U	43.1 U	21.6 U	43.1 U	43.1 U	43.1 U	43.1 U	43.1 U	21.6 U	21.6 U	216 U	2160 U	**65.1**	21.6 U	**85.7**	**48.8**	**74.9**	21.6 U
South Area	SA-E16-I-F (9-10)	9.0-10.0	6/3/2010	91.1 U	91.1 U	91.1 U	45.6 U	91.1 U	45.6 U	91.1 U	91.1 U	91.1 U	91.1 U	91.1 U	45.6 U	45.6 U	456 U	4560 U	**2390**	45.6 U	**387**	**231**	**429**	45.6 U
South Area	SA-E16-I-F (9-10)	9.0-10.0	6/10/2010	44.6 U	44.6 U	44.6 U	22.3 U	44.6 U	22.3 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	22.3 U	22.3 U	223 U	2230 U	**44.9**	22.3 U	**80.8**	**38.4**	**53.9**	22.3 U
South Area	SA-E16-I-F(3.5-4.0)	3.5-4.0	19-Apr-2010	891 U	891 U	891 U	445 U	891 U	445 U	891 U	891 U	891 U	891 U	891 U	445 U	445 U	4450 U	44500 U	**9,860**	445 U	**3,920**	**2,580**	**1,910**	445 U
South Area	SA-E16-I-F(4.0-4.5)	4.0-4.5	19-Apr-2010	227000 U	227000 U	227000 U	114000 U	227000 U	114000 U	227000 U	227000 U	227000 U	227000 U	227000 U	114000 U	114000 U	1140000 U	11400000 U	**3,860,000**	114000 U	**534,000**	**216,000**	**670,000**	114000 U
South Area	SA-E16-I-F(4.5-5.0)	4.5-5.0	26-Apr-2010	46.8 U	46.8 U	46.8 U	23.4 U	46.8 U	23.4 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	23.4 U	23.4 U	234 U	2340 U	**18,800**	23.4 U	**2,930**	**1,290**	**2,460**	23.4 U
South Area	SA-E16-I-F(5.0-6.0)	5.0-6.0	26-Apr-2010	47 U	47 U	47 U	23.5 U	47 U	23.5 U	47 U	47 U	47 U	47 U	47 U	23.5 U	23.5 U	235 U	2350 U	**236**	23.5 U	**47.7**	**131**	**78.8**	23.5 U
South Area	SA-E16-I-F(6.0-7.0)	6.0-7.0	26-Apr-2010	48.1 U	48.1 U	48.1 U	24 U	48.1 U	24 U	48.1 U	48.1 U	48.1 U	48.1 U	48.1 U	24 U	24 U	240 U	2400 U	**6.49 J**	24 U	48.1 U	24 U	24 U	24 U
South Area	SA-E16-I-F(7.0-8.0)	7.0-8.0	26-Apr-2010	45.8 U	45.8 U	45.8 U	22.9 U	45.8 U	22.9 U	45.8 U	45.8 U	45.8 U	45.8 U	45.8 U	22.9 U	22.9 U	229 U	2290 U	**672**	22.9 U	**101**	**186**	**49.8**	22.9 U
South Area	SA-E16-J-EW	0-2	22-Jan-2010	22.6 U	22.6 U	22.6 U	11.3 U	22.6 U	11.3 U	22.6 U	22.6 U	22.6 U	22.6 U	22.6 U	11.3 U	11.3 U	113 U	1130 U	**22**	11.3 U	**136**	11.3 U	**3.46 J**	11.3 U
South Area	SA-E16-J-F	2	25-Jan-2010	22.4 U	22.4 U	22.4 U	11.2 U	22.4 U	11.2 U	22.4 U	22.4 U	22.4 U	22.4 U	22.4 U	11.2 U	11.2 U	112 U	1120 U	**7.19 J**	11.2 U	**23.4**	11.2 U	11.2 U	11.2 U
South Area	SA-E16-K-EW (4-5)	4-5	28-Jan-2010	46.1 U	46.1 U	46.1 U	23.1 U	46.1 U	23.1 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23.1 U	23.1 U	231 U	2310 U	**33.9**	23.1 U	**73.6**	23.1 U	23.1 U	23.1 U
South Area	SA-E16-K-F	2	26-Jan-2010	46.9 U	46.9 U	46.9 U	23.5 U	46.9 U	23.5 U	46.9 U	46.9 U	46.9 U	46.9 U	46.9 U	23.5 U	23.5 U	235 U	2350 U	**8.09 J**	23.5 U	**56.7**	23.5 U	23.5 U	23.5 U
South Area	SA-E16-K-F-D	2	26-Jan-2010	47.3 U	47.3 U	47.3 U	23.7 U	47.3 U	23.7 U	47.3 U	47.3 U	47.3 U	47.3 U	47.3 U	23.7 U	23.7 U	237 U	2370 U	23.7 U	23.7 U	**50.5**	23.7 U	23.7 U	23.7 U
South Area	SA-E16-K-WW	0-2	26-Jan-2010	1870 U	1870 U	1870 U	937 U	1870 U	937 U	1870 U	1870 U	1870 U	1870 U	1870 U	937 U	937 U	9370 U	93700 U	**14200**	937 U	**9760**	937 U	**541 J**	937 U
South Area	SA-E16-K-WW (4-5)	4-5	28-Jan-2010	45 U	45 U	45 U	22.5 U	45 U	22.5 U	45 U	45 U	45 U	45 U	45 U	22.5 U	22.5 U	225 U	2250 U	**7.44 J**	22.5 U	**28.6 J**	22.5 U	22.5 U	22.5 U
South Area	SA-E16-K-WW05(0-2)	0-2	10-Mar-2010	2290 U	2290 U	2290 U	1150 U	2290 U	1150 U	2290 U	2290 U	2290 U	2290 U	2290 U	1150 U	1150 U	11500 U	115000 U	**13900**	1150 U	**17400**	1150 U	**356 J**	1150 U
South Area	SA-E16-K-WW10-(0-2)	0-2	10-Mar-2010	44300 U	44300 U	44300 U	22200 U	44300 U	22200 U	44300 U	44300 U	44300 U	44300 U	44300 U	22200 U	22200 U	222000 U	2220000 U	**225000**	22200 U	**61900**	22200 U	**5630 J**	22200 U
South Area	SA-E16-K-WW10(2.5-3.0)	2.5-3	10-Mar-2010	45.9 U	45.9 U	45.9 U	22.9 U	45.9 U	22.9 U	45.9 U	45.9 U	45.9 U	45.9 U	45.9 U	22.9 U	22.9 U	229 U	2290 U	**73.9**	22.9 U	**300**	**196**	22.9 U	22.9 U
South Area	SA-E16-K-WW10(3.0-3.5)	3-3.5	10-Mar-2010	45 U	45 U	45 U	22.5 U	45 U	22.5 U	45 U	45 U	45 U	45 U	45 U	22.5 U	22.5 U	225 U	2250 U	**6.42 J**	22.5 U	**108**	**132**	22.5 U	22.5 U
South Area	SA-E16-K-WW10(3.5-4.0)	3.5-4.0	29-Apr-2010	44.3 U	44.3 U	44.3 U	22.2 U	44.3 U	22.2 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.2 U	22.2 U	222 U	2220 U	**123**	22.2 U	**246**	**30.2**	**4.69 J**	22.2 U
South Area	SA-E16-K-WW10(4.0-4.5)	4.0-4.5	29-Apr-2010	44.2 U	44.2 U	44.2 U	22.1 U	44.2 U	22.1 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	22.1 U	22.1 U	221 U	2210 U	**23.4**	22.1 U	**312**	**44.5**	22.1 U	22.1 U
South Area	SA-E16-K-WW10(4.5-5.0)	4.5-5.0	29-Apr-2010	45 U	45 U	45 U	22.5 U	45 U	22.5 U	45 U	45 U	45 U	45 U	45 U	22.5 U	22.5 U	225 U	2250 U	**11.3 J**	22.5 U	**62.3**	**18.1 J**	22.5 U	22.5 U
South Area	SA-E16-K-WW15-(0-2)	0-2	10-Mar-2010	453 U	453 U	453 U	227 U	453 U	227 U	453 U	453 U	453 U	453 U	453 U	227 U	227 U	2270 U	22700 U	**3650**	227 U	**2170**	227 U	**95.8 J**	227 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

		Proposed Site-Specific RRS Values (ug/kg):		*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*	
South Area	SA-E16-K-WW15(3.5-4.0)	3.5-4.0	29-Apr-2010	43.9 U	43.9 U	43.9 U	22 U	43.9 U	22 U	43.9 U	43.9 U	43.9 U	43.9 U	43.9 U	22 U	22 U	220 U	2200 U	**22.7**	22 U	**152**	**82.6**	22 U	22 U
South Area	SA-E16-K-WW15(4.0-4.5)	4.0-4.5	29-Apr-2010	43.1 U	43.1 U	43.1 U	21.5 U	43.1 U	21.5 U	43.1 U	43.1 U	43.1 U	43.1 U	43.1 U	21.5 U	21.5 U	215 U	2150 U	**19.6 J**	21.5 U	**70.7**	**115**	21.5 U	21.5 U
South Area	SA-E16-K-WW15(4.5-5.0)	4.5-5.0	29-Apr-2010	43.8 U	43.8 U	43.8 U	21.9 U	43.8 U	21.9 U	43.8 U	43.8 U	43.8 U	43.8 U	43.8 U	21.9 U	21.9 U	219 U	2190 U	**104**	21.9 U	**44.1**	**77.2**	**21.9 U**	21.9 U
South Area	SA-E16-K-WW5(3.5-4.0)	3.5-4.0	22-Apr-2010	45.5 U	45.5 U	45.5 U	22.7 U	45.5 U	22.7 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	22.7 U	22.7 U	227 U	2270 U	**6.04 J**	22.7 U	**51.2**	**36.4**	22.7 U	22.7 U
South Area	SA-E16-K-WW5(4.0-4.5)	4.0-4.5	22-Apr-2010	55.8 U	55.8 U	55.8 U	27.9 U	55.8 U	27.9 U	55.8 U	55.8 U	55.8 U	55.8 U	55.8 U	27.9 U	27.9 U	279 U	2790 U	**22.9 J**	27.9 U	**128**	**34.5**	27.9 U	27.9 U
South Area	SA-E16-K-WW5(4.5-5.0)	4.5-5.0	29-Apr-2010	88.1 U	88.1 U	88.1 U	44 U	88.1 U	44 U	88.1 U	88.1 U	88.1 U	88.1 U	88.1 U	44 U	44 U	440 U	4400 U	**1,100**	44 U	**499**	**146**	**28.8 J**	44 U
South Area	SA-E16-K-WW5(5.0-6.0)	5.0-6.0	29-Apr-2010	44.3 U	44.3 U	44.3 U	22.1 U	44.3 U	22.1 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.1 U	22.1 U	221 U	2210 U	**50.3**	22.1 U	**74.9**	**83.5**	22.1 U	22.1 U
South Area	SA-E16-L(2.5-3.0)-F	2.5-3	08-Mar-2010	932000 U	932000 U	932000 U	466000 U	932000 U	466000 U	932000 U	932000 U	932000 U	932000 U	932000 U	466000 U	466000 U	4660000 U	46600000 U	**5680000**	466000 U	**996000**	**214000 J**	**402000 J**	466000 U
South Area	SA-E16-L(3.0-3.5)-F	3-3.5	08-Mar-2010	1890000 U	1890000 U	1890000 U	946000 U	1890000 U	946000 U	1890000 U	1890000 U	1890000 U	1890000 U	1890000 U	946000 U	946000 U	9460000 U	94600000 U	**9240000**	946000 U	**1630000 J**	**630000 J**	**1250000**	946000 U
South Area	SA-E16-L(3.5-4.0)-F	3.5-4	08-Mar-2010	463000 U	463000 U	463000 U	231000 U	463000 U	231000 U	463000 U	463000 U	463000 U	463000 U	463000 U	231000 U	231000 U	2310000 U	23100000 U	**3000000**	231000 U	**495000**	**156000 J**	**228000 J**	231000 U
South Area	SA-E16-L-F	2	25-Jan-2010	2300 U	2300 U	2300 U	1150 U	2300 U	1150 U	2300 U	2300 U	2300 U	2300 U	2300 U	1150 U	1150 U	11500 U	115000 U	**6130**	1150 U	**15800**	1150 U	**378 J**	1150 U
South Area	SA-E16-L-F(4.0-4.5)	4.0-4.5	21-Apr-2010	46200 U	46200 U	46200 U	23100 U	46200 U	23100 U	46200 U	46200 U	46200 U	46200 U	46200 U	23100 U	23100 U	231000 U	2310000 U	**1,390,000**	23100 U	**197,000**	**63,800**	**151,000**	23100 U
South Area	SA-E16-L-F(4.5-5.0)	4.5-5.0	21-Apr-2010	4900 U	4900 U	4900 U	2450 U	4900 U	2450 U	4900 U	4900 U	4900 U	4900 U	4900 U	2450 U	2450 U	24500 U	245000 U	**220,000**	2450 U	**29,400**	**13,500**	**22,200**	2450 U
South Area	SA-E16-L-F(5.0-6.0)	5.0-6.0	27-Apr-2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	**146**	24.2 U	**106**	**52.4**	**4.63 J**	24.2 U
South Area	SA-E16-M(2.5-3.0)-F	2.5-3	04-Mar-2010	2310 U	2310 U	2310 U	1150 U	2310 U	1150 U	2310 U	2310 U	2310 U	2310 U	2310 U	1150 U	1150 U	11500 U	115000 U	**12400**	1150 U	**15100**	**2710**	**596 J**	1150 U
South Area	SA-E16-M(3.0-3.5)-F	3-3.5	04-Mar-2010	88500 U	88500 U	88500 U	44200 U	88500 U	44200 U	88500 U	88500 U	88500 U	88500 U	88500 U	44200 U	44200 U	442000 U	4420000 U	**2020000**	44200 U	**304000**	**112000**	**292000**	44200 U
South Area	SA-E16-M(3.5-4.0)-F	3.5-4	05-Mar-2010	4630 U	4630 U	4630 U	2310 U	4630 U	2310 U	4630 U	4630 U	4630 U	4630 U	4630 U	2310 U	2310 U	23100 U	231000 U	**37600**	2310 U	**7240**	**1280 J**	**2860**	2310 U
South Area	SA-E16-M(4.0-4.5)-F	4-4.5	05-Mar-2010	1860 U	1860 U	1860 U	930 U	1860 U	930 U	1860 U	1860 U	1860 U	1860 U	1860 U	930 U	930 U	9300 U	93000 U	**9200**	930 U	**8490**	**314 J**	**922 J**	930 U
South Area	SA-E16-M-F	2	25-Jan-2010	22800 U	22800 U	22800 U	11400 U	22800 U	11400 U	22800 U	22800 U	22800 U	22800 U	22800 U	11400 U	11400 U	114000 U	1140000 U	**328000**	11400 U	**82000**	**7520 J**	**11800**	11400 U
South Area	SA-E16-M-F(4.0-4.5)	4.0-4.5	21-Apr-2010	4790 U	4790 U	4790 U	2390 U	4790 U	2390 U	4790 U	4790 U	4790 U	4790 U	4790 U	2390 U	2390 U	23900 U	239000 U	**37,100**	2390 U	**6,820**	**3,310**	**5,540**	2390 U
South Area	SA-E16-M-F(4.5-5.0)	4.5-5.0	21-Apr-2010	4560 U	4560 U	4560 U	2280 U	4560 U	2280 U	4560 U	4560 U	4560 U	4560 U	4560 U	2280 U	2280 U	22800 U	228000 U	**40,600**	2280 U	**8,930**	**2,670**	**8,000**	2280 U
South Area	SA-E16-M-F(5.0-6.0)	5.0-6.0	26-Apr-2010	49.2 U	49.2 U	49.2 U	24.6 U	49.2 U	24.6 U	49.2 U	49.2 U	49.2 U	49.2 U	49.2 U	24.6 U	24.6 U	246 U	2460 U	**68.3**	24.6 U	**43.5 J**	**36**	24.6 U	24.6 U
South Area	SA-E16-M-SW	0-2	25-Jan-2010	22900 U	22900 U	22900 U	11500 U	22900 U	11500 U	22900 U	22900 U	22900 U	22900 U	22900 U	11500 U	11500 U	115000 U	1150000 U	**711000**	11500 U	**150000**	**32000**	**93300**	11500 U
South Area	SA-E16-N (2.5-3.0)	2.5-3	03-Mar-2010	119 U	119 U	119 U	59.5 U	119 U	59.5 U	119 U	119 U	119 U	119 U	119 U	59.5 U	59.5 U	595 U	5950 U	**572**	59.5 U	**131**	**23.8 J**	**32.2 J**	59.5 U
South Area	SA-E16-N (3.0-3.5)	3-3.5	03-Mar-2010	915 U	915 U	915 U	457 U	915 U	457 U	915 U	915 U	915 U	915 U	915 U	457 U	457 U	4570 U	45700 U	**5930**	457 U	**5000**	**2440**	**674**	457 U
South Area	SA-E16-N-F	2	25-Jan-2010	451 U	451 U	451 U	226 U	451 U	226 U	451 U	451 U	451 U	451 U	451 U	226 U	226 U	2260 U	22600 U	**1150**	226 U	**3440**	226 U	**43.4 J**	226 U
South Area	SA-E16-N-F(3.5-4.0)	3.5-4.0	21-Apr-2010	228 U	228 U	228 U	114 U	228 U	114 U	228 U	228 U	228 U	228 U	228 U	114 U	114 U	1140 U	11400 U	**49,300**	114 U	**18,300 J**	**6,640 J**	**4,250 J**	114 U
South Area	SA-E16-N-F(4.0-4.5)	4.0-4.5	21-Apr-2010	45.3 U	45.3 U	45.3 U	22.7 U	45.3 U	22.7 U	45.3 U	45.3 U	45.3 U	45.3 U	45.3 U	22.7 U	22.7 U	227 U	2270 U	**20,000**	22.7 U	**4,810 J**	**355**	11300 U	22.7 U
South Area	SA-E16-N-F(4.5-5.0)	4.5-5.0	26-Apr-2010	529 U	529 U	529 U	264 U	529 U	264 U	529 U	529 U	529 U	529 U	529 U	264 U	264 U	2640 U	26400 U	**34,500**	264 U	**9280**	**3,850**	**1,680**	264 U
South Area	SA-E16-N-F(5.0-6.0)	5.0-6.0	26-Apr-2010	240000 U	240000 U	240000 U	120000 U	240000 U	120000 U	240000 U	240000 U	240000 U	240000 U	240000 U	120000 U	120000 U	1200000 U	12000000 U	**5850000**	120000 U	**680000**	**142000**	**530000**	120000 U
South Area	SA-E16-N-F(6.0-7.0)	6.0-7.0	26-Apr-2010	225 U	225 U	225 U	112 U	225 U	112 U	225 U	225 U	225 U	225 U	225 U	112 U	112 U	1120 U	11200 U	**906**	112 U	**1130**	**229**	**98.3 J**	112 U
South Area	SA-E16-N-F(7.0-8.0)	7.0-8.0	26-Apr-2010	50.6 U	50.6 U	50.6 U	25.3 U	50.6 U	25.3 U	50.6 U	50.6 U	50.6 U	50.6 U	50.6 U	25.3 U	25.3 U	253 U	2530 U	**144**	25.3 U	**26.9 J**	**12.4 J**	**24.5 J**	25.3 U
South Area	SA-E16-N-SW	0-2	25-Jan-2010	2260 U	2260 U	2260 U	1130 U	2260 U	1130 U	2260 U	2260 U	2260 U	2260 U	2260 U	1130 U	1130 U	11300 U	113000 U	**24700**	1130 U	**8150**	**2870**	**3670**	1130 U
South Area	SA-E16-O-EW	0-2	25-Jan-2010	92 U	92 U	92 U	46 U	92 U	46 U	92 U	92 U	92 U	92 U	92 U	46 U	46 U	460 U	4600 U	**219**	46 U	**365**	46 U	**24.1 J**	46 U
South Area	SA-E16-O-F	2	25-Jan-2010	45.4 U	45.4 U	45.4 U	22.7 U	45.4 U	22.7 U	45.4 U	45.4 U	45.4 U	45.4 U	45.4 U	22.7 U	22.7 U	227 U	2270 U	**16.1 J**	22.7 U	**89.9**	22.7 U	22.7 U	22.7 U
South Area	SA-E16-P-F	2	26-Jan-2010	46.9 U	46.9 U	46.9 U	23.5 U	46.9 U	23.5 U	46.9 U	46.9 U	46.9 U	46.9 U	46.9 U	23.5 U	23.5 U	235 U	2350 U	**17.5 J**	23.5 U	**51.9**	23.5 U	23.5 U	23.5 U
South Area	SA-E16-P-F-CL (4-5)	4-5	28-Jan-2010	2340 U	2340 U	2340 U	1170 U	2340 U	1170 U	2340 U	2340 U	2340 U	2340 U	2340 U	1170 U	1170 U	11700 U	117000 U	**13000**	1170 U	**3410**	**2580**	**1160 J**	1170 U
South Area	SA-E16-PIT-F (4-5)	4-5	09-Mar-2010	459 U	459 U	459 U	230 U	459 U	230 U	459 U	459 U	459 U	459 U	459 U	230 U	230 U	2300 U	23000 U	**2230**	230 U	**2240**	**362**	**436**	230 U
South Area	SA-E16-PIT-F (5-6)	5-6	10-Mar-2010	4670 U	4670 U	4670 U	2330 U	4670 U	2330 U	4670 U	4670 U	4670 U	4670 U	4670 U	2330 U	2330 U	23300 U	233000 U	**22500**	2330 U	**5080**	**591 J**	**3310**	2330 U
South Area	SA-E16-PIT-F(6.0-6.5)	6.0-6.5	27-Apr-2010	468 U	468 U	468 U	234 U	468 U	234 U	468 U	468 U	468 U	468 U	468 U	234 U	234 U	2340 U	23400 U	**3,190 B**	234 U	**1,530**	**862**	**236**	234 U
South Area	SA-E16-PIT-F(6.5-7.0)	6.5-7.0	27-Apr-2010	457 U	457 U	457 U	229 U	457 U	229 U	457 U	457 U	457 U	457 U	457 U	229 U	229 U	2290 U	22900 U	**1,960 B**	229 U	**3,120**	**1730**	**347**	229 U
South Area	SA-E16-PIT-F(7-8)	7.0-8.0	27-Apr-2010	935 U	935 U	935 U	468 U	935 U	468 U	935 U	935 U	935 U	935 U	935 U	468 U	468 U	4680 U	46800 U	**6,710 B**	468 U	**1650**	**1,110**	**453 J**	468 U
South Area	SA-E16-PIT-F(8-9)	8.0-9.0	27-Apr-2010	44.3 U	44.3 U	44.3 U	22.1 U	44.3 U	22.1 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.1 U	22.1 U	221 U	2210 U	**24.4 B**	22.1 U	**47.7**	22.1 U	22.1 U	22.1 U
South Area	SA-E16-PIT-F(9-10)	9.0-10.0	27-Apr-2010	44.1 U	44.1 U	44.1 U	22.1 U	44.1 U	22.1 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	22.1 U	22.1 U	221 U	2210 U	**22.1 U**	22.1 U	**18.3 J**	22.1 U	22.1 U	22.1 U
South Area	SA-E16-PIT-SW (4-5)	4-5	10-Mar-2010	1900 U	1900 U	1900 U	949 U	1900 U	949 U	1900 U	1900 U	1900 U	1900 U	1900 U	949 U	949 U	9490 U	94900 U	**9370**	949 U	**2880**	**3120**	**1170**	949 U
South Area	SA-E16-PIT-SW (6.0-6.5)	6.0-6.5	27-Apr-2010	46.6 U	46.6 U	46.6 U	23.3 U	46.6 U	23.3 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	23.3 U	23.3 U	233 U	2330 U	**5.9 J**	23.3 U	**10.9 J**	23.3 U	23.3 U	23.3 U
South Area	SA-E16-PIT-SW (6.5-7.0)	6.5-7.0	27-Apr-2010	4570 U	4570 U	4570 U	2280 U	4570 U	2280 U	4570 U	4570 U	4570 U	4570 U	4570 U	2280 U	2280 U	22800 U	228000 U	**23,200**	2280 U	**4570 U**	2280 U	2280 U	2280 U
South Area	SA-E16-PIT-SW (7.0-8.0)	7.0-8.0	27-Apr-2010	46 U	46 U	46 U	23 U	46 U	23 U	46 U	46 U	46 U	46 U	46 U	23 U	23 U	230 U	2300 U	**19.5 J**	23 U	**22.8 J**	23 U	23 U	23 U
South Area	SA-E16-PIT-SW (8.0-9.0)	8.0-9.0	27-Apr-2010	44.4 U	44.4 U	44.4 U	22.2 U	44.4 U	22.2 U	44.4 U	44.4 U	44.4 U	44.4 U	44.4 U	22.2 U	22.2 U	222 U	2220 U	22.2 U	22.2 U	44.4 U	22.2 U	22.2 U	22.2 U
South Area	SA-E16-PIT-SW (9.0-10)	9.0-10	27-Apr-2010	43.6 U	43.6 U	43.6 U	21.8 U	43.6 U	21.8 U	43.6 U	43.6 U	43.6 U	43.6 U	43.6 U	21.8 U	21.8 U	218 U	2180 U	21.8 U	21.8 U	**13.3 J**	21.8 U	21.8 U	21.8 U
South Area	SA-E16-PIT-SW-(5-6)	5-6	10-Mar-2010	196 U	196 U	196 U	97.9 U	196 U	97.9 U	196 U	196 U	196 U	196 U	196 U	97.9 U	97.9 U	979 U	9790 U	**921**	97.9 U	**311**	**37.7 J**	**77 J**	97.9 U
South Area	SA-E16-P-WW	0-2	26-Jan-2010	880 U	880 U	880 U	440 U	880 U	440 U	880 U	880 U	880 U	880 U	880 U	440 U	440 U	4400 U	44000 U	**4010**	440 U	**4680**	440 U	**116 J**	440 U
South Area	SA-E16-P-WW05-(0-2.0)	0-2	10-Mar-2010	899 U	899 U	899 U	450 U	899 U	450 U	899 U	899 U	899 U	899 U	899 U	450 U	450 U	4500 U	45000 U	**5410**	450 U	**5620**	**169 J**	**192 J**	450 U
South Area	SA-E16-P-WW10 (3.0-3.5)	3-3.5	10-Mar-2010	46.5 U	46.5 U	46.5 U	23.3 U	46.5 U	23.3 U	46.5 U	46.5 U	46.5 U	46.5 U	46.5 U	23.3 U	23.3 U	233 U	2330 U	23.3 U	23.3 U	**14.1 J**	23.3 U	23.3 U	23.3 U
South Area	SA-E16-P-WW10-(0-2.0)	0-2	10-Mar-2010	469 U	469 U	469 U	234 U	469 U	234 U	469 U	469 U	469 U	469 U	469 U	234 U	234 U	2340 U	23400 U	**3050**	234 U	**2110**	234 U	**64.6 J**	234 U
South Area	SA-E16-P-WW10(2.5-3.0)	2.5-3	10-Mar-2010	46.2 U	46.2 U	46.2 U	23.1 U	46.2 U	23.1 U	46.2 U	46.2 U	46.2 U	46.2 U	46.2 U	23.1 U	23.1 U	231 U	2310 U	23.1 U	23.1 U	46.2 U	23.1 U	23.1 U	23.1 U
South Area	SA-E16-P-WW15(0-2)	0-2	10-Mar-2010	47.4 U	47.4 U	47.4 U	23.7 U	47.4 U	23.7 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	23.7 U	23.7 U	237 U	2370 U	**155**	23.7 U	**310**	23.7 U	23.7 U	23.7 U
South Area	SA-E16-Q(2.5-3.0)-F	2.5-3	05-Mar-2010	9570 U	9570 U	9570 U	4780 U	9570 U	4780 U	9570 U	9570 U	9570 U	9570 U	9570 U	4780 U	4780 U	47800 U	478000 U	**50800**	4780 U	**19300**	**7220**	**4380 J**	4780 U
South Area	SA-E16-Q(3.0-3.5)-F	3-3.5	05-Mar-2010	97300 U	97300 U	97300 U	48600 U	97300 U	48600 U	97300 U	97300 U	97300 U	97300 U	97300 U	48600 U	48600 U	486000 U	4860000 U	**1830000**	48600 U	**281000**	**86600**	**232000**	48600 U
South Area	SA-E16-Q(3.5-4.0)-F	3.5-4	05-Mar-2010	492000 U	492000 U	492000 U	246000 U	492000 U	246000 U	492000 U	492000 U	492000 U	492000 U	492000 U	246000 U	246000 U	2460000 U	24600000 U	**18500000**	246000 U	**2460000**	**898000**	**2090000**	246000 U
South Area	SA-E16-Q-F	2	26-Jan-2010	4580 U	4580 U	4580 U	2290 U	4580 U	2290 U	4580 U	4580 U	4580 U	4580 U	4580 U	2290 U	2290 U	22900 U	229000 U	**74200**	2290 U	**20600**	**6190**	**6510**	2290 U
South Area	SA-E16-Q-F (10.0-11.0)	10.0-11.0	6/4/2010	479 U	479 U	479 U	239 U	479 U	239 U	479 U	479 U	479 U	479 U	479 U	239 U	239 U	2390 U	23900 U	**27200**	239 U	**3910**	**1710**	**2980**	239 U
South Area	SA-E16-Q-F (11.0-12.0)	11.0-12.0	6/4/2010	207 U	207 U	207 U	103 U	207 U	103 U	207 U	207 U	207 U	207 U	207 U	103 U	103 U	1030 U	10300 U	**6680**	103 U	**915**	**246**	**1080**	103 U
South Area	SA-E16-Q-F (12.0-13.0)	12.0-13.0	6/4/2010	2340 U	2340 U	2340 U	1170 U	2340 U	1170 U	2340 U	2340 U	2340 U	2340 U	2340 U	1170 U	1170 U	11700 U	117000 U	**64900**	1170 U	**8740**	**4130**	**8410**	1170 U
South Area	SA-E16-Q-F (8.0-9.0)	8.0-9.0	6/4/2010	461 U	461 U	461 U	230 U	461 U	230 U	461 U	461 U	461 U	461 U	461 U	230 U	230 U	2300 U	23000 U	**8490**	230 U	**1690**	**1740**	**1280**	230 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

		Proposed Site-Specific RRS Values (ug/kg):		*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*	
South Area	SA-E16-Q-F (9.0-10.0)	9.0-10.0	6/4/2010	485 U	485 U	485 U	242 U	485 U	242 U	485 U	485 U	485 U	485 U	485 U	242 U	242 U	2420 U	24200 U	**12700**	242 U	**1830**	**1320**	**2270**	242 U
South Area	SA-E16-Q-F(4.0-4.5)	4.0-4.5	21-Apr-2010	484000 U	484000 U	484000 U	242000 U	484000 U	242000 U	484000 U	484000 U	484000 U	484000 U	484000 U	242000 U	242000 U	2420000 U	24200000 U	**16,000,000**	242000 U	**1,970,000**	**1,230,000**	**3,200,000**	242000 U
South Area	SA-E16-Q-F(4.5-5.0)	4.5-5.0	21-Apr-2010	48900 U	48900 U	48900 U	24400 U	48900 U	24400 U	48900 U	48900 U	48900 U	48900 U	48900 U	24400 U	24400 U	244000 U	2440000 U	**2,200,000**	24400 U	**257,000**	**134,000**	**346,000**	24400 U
South Area	SA-E16-Q-F(5.0-6.0)	5.0-6.0	27-Apr-2010	47.6 U	47.6 U	47.6 U	23.8 U	47.6 U	23.8 U	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U	23.8 U	23.8 U	238 U	2380 U	**981 J**	23.8 U	**302**	**6,400**	**1,450**	23.8 U
South Area	SA-E16-Q-F(6.0-7.0)	6.0-7.0	27-Apr-2010	46.4 U	46.4 U	46.4 U	23.2 U	46.4 U	23.2 U	46.4 U	46.4 U	46.4 U	46.4 U	46.4 U	23.2 U	23.2 U	232 U	2320 U	**576**	23.2 U	**151**	**500**	**173**	23.2 U
South Area	SA-E16-Q-F(7.0-8.0)	7.0-8.0	27-Apr-2010	231 U	231 U	231 U	115 U	231 U	115 U	231 U	231 U	231 U	231 U	231 U	115 U	115 U	1150 U	11500 U	**1,740**	115 U	**481**	**1,530**	**277**	115 U
South Area	SA-E16-Q-SW	0-2	26-Jan-2010	9500 U	9500 U	9500 U	4750 U	9500 U	4750 U	9500 U	9500 U	9500 U	9500 U	9500 U	4750 U	4750 U	47500 U	475000 U	**72700**	4750 U	**26200**	**5360**	**3340 J**	4750 U
South Area	SA-E16-R (2.5-3.0)	2.5-3	03-Mar-2010	95.3 U	95.3 U	95.3 U	47.7 U	95.3 U	47.7 U	95.3 U	95.3 U	95.3 U	95.3 U	95.3 U	47.7 U	47.7 U	477 U	4770 U	**635**	47.7 U	**1070**	**84.8**	**26.3 J**	47.7 U
South Area	SA-E16-R (3.0-3.5)	3-3.5	03-Mar-2010	237 U	237 U	237 U	119 U	237 U	119 U	237 U	237 U	237 U	237 U	237 U	119 U	119 U	1190 U	11900 U	**1790**	119 U	**787**	**119**	**179**	119 U
South Area	SA-E16-R-F	2	26-Jan-2010	370000 U	370000 U	370000 U	185000 U	370000 U	185000 U	370000 U	370000 U	370000 U	370000 U	370000 U	185000 U	185000 U	1850000 U	18500000 U	**1620000**	185000 U	**486000**	**126000 J**	**461000**	185000 U
South Area	SA-E16-R-F (5.0-6.0)	5.0-6.0	27-Apr-2010	230 U	230 U	230 U	115 U	230 U	115 U	230 U	230 U	230 U	230 U	230 U	115 U	115 U	1150 U	11500 U	**18,200**	115 U	**8,090**	**1,620**	**1730**	115 U
South Area	SA-E16-R-F (6.0-7.0)	6.0-7.0	27-Apr-2010	932 U	932 U	932 U	466 U	932 U	466 U	932 U	932 U	932 U	932 U	932 U	466 U	466 U	4660 U	46600 U	**4,740**	466 U	**4,150**	**924**	**110 J**	466 U
South Area	SA-E16-R-F (7.0-8.0)	7.0-8.0	27-Apr-2010	**75.7**	**54.5**	52.8 U	26.4 U	52.8 U	26.4 U	52.8 U	52.8 U	52.8 U	52.8 U	52.8 U	26.4 U	26.4 U	264 U	2640 U	**86.3**	26.4 U	**385**	**65.1**	**18.6 J**	26.4 U
South Area	SA-E16-R-F(3.5-4.0)	3.5-4.0	22-Apr-2010	44.4 U	**59.1**	44.4 U	22.2 U	44.4 U	22.2 U	44.4 U	44.4 U	44.4 U	44.4 U	44.4 U	22.2 U	22.2 U	222 U	2220 U	**175,000**	22.2 U	**79,000**	**15,600**	**18,800**	22.2 U
South Area	SA-E16-R-F(4.0-4.5)	4.0-4.5	22-Apr-2010	228 U	**91.5 J**	228 U	114 U	228 U	114 U	228 U	228 U	228 U	228 U	228 U	114 U	114 U	1140 U	11400 U	**70,600**	114 U	**22,200**	**6,850**	**2570**	114 U
South Area	SA-E16-R-F(4.5-5.0)	4.5-5.0	27-Apr-2010	459 U	**233 J**	459 U	229 U	459 U	229 U	459 U	459 U	459 U	459 U	459 U	229 U	229 U	2290 U	22900 U	**68,800 B**	229 U	**20,400 J**	**10,000 J**	**8,780 J**	229 U
South Area	SA-E16-R-SW	0-2	26-Jan-2010	46.4 U	46.4 U	46.4 U	23.2 U	46.4 U	23.2 U	46.4 U	46.4 U	46.4 U	46.4 U	46.4 U	23.2 U	23.2 U	232 U	2320 U	**139**	23.2 U	**197**	**8.19 J**	**10.3 J**	23.2 U
South Area	SA-E16-R-WW	0-2	26-Jan-2010	46300 U	46300 U	46300 U	23200 U	46300 U	23200 U	46300 U	46300 U	46300 U	46300 U	46300 U	23200 U	23200 U	232000 U	2320000 U	**208000**	23200 U	**31000 J**	23200 U	**8020 J**	23200 U
South Area	SA-E16-S-EW	0-2	26-Jan-2010	1800 U	1800 U	1800 U	899 U	1800 U	899 U	1800 U	1800 U	1800 U	1800 U	1800 U	899 U	899 U	8990 U	89900 U	**10500**	899 U	**7740**	899 U	**280 J**	899 U
South Area	SA-E16-S-F	2	26-Jan-2010	235 U	235 U	235 U	118 U	235 U	118 U	235 U	235 U	235 U	235 U	235 U	118 U	118 U	1180 U	11800 U	**116 J**	118 U	**1410**	118 U	118 U	118 U
South Area	SA-E16-T-F	2	26-Jan-2010	237 U	237 U	237 U	118 U	237 U	118 U	237 U	237 U	237 U	237 U	237 U	118 U	118 U	1180 U	11800 U	**1270**	118 U	**488**	118 U	**157**	118 U
South Area	SA-E16-T-F (3-4)	3.0-4.0	6/10/2010	45.5 U	45.5 U	45.5 U	22.8 U	45.5 U	22.8 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	22.8 U	22.8 U	228 U	2280 U	22.8 U	22.8 U	45.5 U	22.8 U	22.8 U	22.8 U
South Area	SA-E16-T-F (4-5)	4.0-5.0	6/10/2010	45.2 U	45.2 U	45.2 U	22.6 U	45.2 U	22.6 U	45.2 U	45.2 U	45.2 U	45.2 U	45.2 U	22.6 U	22.6 U	226 U	2260 U	22.6 U	22.6 U	45.2 U	22.6 U	22.6 U	22.6 U
South Area	SA-E16-T-F (5-6)	5.0-6.0	6/10/2010	45.6 U	45.6 U	45.6 U	22.8 U	45.6 U	22.8 U	45.6 U	45.6 U	45.6 U	45.6 U	45.6 U	22.8 U	22.8 U	228 U	2280 U	22.8 U	22.8 U	45.6 U	22.8 U	22.8 U	22.8 U
South Area	SA-E16-T-F (6-7)	6.0-7.0	6/10/2010	44.6 U	44.6 U	44.6 U	22.3 U	44.6 U	22.3 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	22.3 U	22.3 U	223 U	2230 U	22.3 U	22.3 U	44.6 U	22.3 U	22.3 U	22.3 U
South Area	SA-E16-T-SW	0-2	26-Jan-2010	1820 U	1820 U	1820 U	911 U	1820 U	911 U	1820 U	1820 U	1820 U	1820 U	1820 U	911 U	911 U	9110 U	91100 U	**23300**	911 U	**4600**	**287 J**	**872 J**	911 U
South Area	SA-E16-T-WW	0-2	26-Jan-2010	3590 U	3590 U	3590 U	1800 U	3590 U	1800 U	3590 U	3590 U	3590 U	3590 U	3590 U	1800 U	1800 U	18000 U	180000 U	**19300**	1800 U	**11300**	1800 U	**578 J**	1800 U
South Area	SA-E16-T-WW10(0-2)	0-2	10-Mar-2010	2190 U	2190 U	2190 U	1100 U	2190 U	1100 U	2190 U	2190 U	2190 U	2190 U	2190 U	1100 U	1100 U	11000 U	110000 U	**13400**	1100 U	**10400**	1100 U	**304 J**	1100 U
South Area	SA-E16-T-WW15(0-2)	0-2	10-Mar-2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	24.2 U	24.2 U	48.4 U	24.2 U	24.2 U	24.2 U
South Area	SA-E16-T-WW5(0-2)	0-2	10-Mar-2010	501 U	501 U	501 U	250 U	501 U	250 U	501 U	501 U	501 U	501 U	501 U	250 U	250 U	2500 U	25000 U	**2270**	250 U	**1890**	250 U	**70.5 J**	250 U
South Area	SA-E16-T-WWF(2.5-3.0)	2.5-3	10-Mar-2010	48 U	48 U	48 U	24 U	48 U	24 U	48 U	48 U	48 U	48 U	48 U	24 U	24 U	240 U	2400 U	24 U	24 U	48 U	24 U	24 U	24 U
South Area	SA-E16-T-WWF(3.0-3.5)	3-3.5	10-Mar-2010	48.7 U	48.7 U	48.7 U	24.4 U	48.7 U	24.4 U	48.7 U	48.7 U	48.7 U	48.7 U	48.7 U	24.4 U	24.4 U	244 U	2440 U	24.4 U	24.4 U	48.7 U	24.4 U	24.4 U	24.4 U
South Area	SA-E16-U(2.5-3.0)-F	2.5-3	09-Mar-2010	93 U	93 U	93 U	46.5 U	93 U	46.5 U	93 U	93 U	93 U	93 U	93 U	46.5 U	46.5 U	465 U	4650 U	**521**	46.5 U	**119**	**32.8 J**	**79.4**	46.5 U
South Area	SA-E16-U(2.5-3.0)-F DUP	2.5-3	09-Mar-2010	2440 U	2440 U	2440 U	1220 U	2440 U	1220 U	2440 U	2440 U	2440 U	2440 U	2440 U	1220 U	1220 U	12200 U	122000 U	**15600**	1220 U	**3250**	**1010 J**	**2140**	1220 U
South Area	SA-E16-U-(3.0-3.5)	3-3.5	09-Mar-2010	475 U	475 U	475 U	237 U	475 U	237 U	475 U	475 U	475 U	475 U	475 U	237 U	237 U	2370 U	23700 U	**2630**	237 U	**585**	**526**	**349**	237 U
South Area	SA-E16-U-(3.0-3.5) DUP	3-3.5	09-Mar-2010	236 U	236 U	236 U	118 U	236 U	118 U	236 U	236 U	236 U	236 U	236 U	118 U	118 U	1180 U	11800 U	**1430**	118 U	**369**	**112 J**	**178**	118 U
South Area	SA-E16-U-EW	0-2	26-Jan-2010	1000 U	1000 U	1000 U	502 U	1000 U	502 U	1000 U	1000 U	1000 U	1000 U	1000 U	502 U	502 U	5020 U	50200 U	**22700**	502 U	**7640**	**3010**	**3480**	502 U
South Area	SA-E16-U-F	2	26-Jan-2010	98.8 U	98.8 U	98.8 U	49.4 U	98.8 U	49.4 U	98.8 U	98.8 U	98.8 U	98.8 U	98.8 U	49.4 U	49.4 U	494 U	4940 U	**719**	49.4 U	**595**	49.4 U	**33.6 J**	49.4 U
South Area	SA-E16-U-F(3.5-4.0)	3.5-4.0	22-Apr-2010	57.6 U	57.6 U	57.6 U	28.8 U	57.6 U	28.8 U	57.6 U	57.6 U	57.6 U	57.6 U	57.6 U	28.8 U	28.8 U	288 U	2880 U	**1110**	28.8 U	**427**	**65.8**	**145**	28.8 U
South Area	SA-E16-U-F(3.5-4.0)	3.5-4.0	27-Apr-2010	46.7 U	46.7 U	46.7 U	23.3 U	46.7 U	23.3 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	23.3 U	23.3 U	233 U	2330 U	**40.9**	23.3 U	**126**	**29.2**	23.3 U	23.3 U
South Area	SA-E16-U-F(4.0-4.5)	4.0-4.5	22-Apr-2010	49.5 U	49.5 U	49.5 U	24.7 U	49.5 U	24.7 U	49.5 U	49.5 U	49.5 U	49.5 U	49.5 U	24.7 U	24.7 U	247 U	2470 U	**4,130**	24.7 U	**1050**	**120**	**248**	24.7 U
South Area	SA-E16-U-F(4.0-4.5)	4.0-4.5	27-Apr-2010	47.4 U	47.4 U	47.4 U	23.7 U	47.4 U	23.7 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	23.7 U	23.7 U	237 U	2370 U	**20.5 J**	23.7 U	**28.2 J**	**10.5 J**	23.7 U	23.7 U
South Area	SA-E16-U-F(4.5-5.0)	4.5-5.0	27-Apr-2010	46.3 U	46.3 U	46.3 U	23.1 U	46.3 U	23.1 U	46.3 U	46.3 U	46.3 U	46.3 U	46.3 U	23.1 U	23.1 U	231 U	2310 U	**45.4**	23.1 U	**46.6**	**23.3**	23.1 U	23.1 U
South Area	SA-E16-U-F-D	2	26-Jan-2010	97.8 U	97.8 U	97.8 U	48.9 U	97.8 U	48.9 U	97.8 U	97.8 U	97.8 U	97.8 U	97.8 U	48.9 U	48.9 U	489 U	4890 U	**713**	48.9 U	**380**	**22.4 J**	**19 J**	48.9 U
South Area	SA-E16-V-(2.5-3.0)-F	2.5-3	02-Mar-2010	48.2 U	48.2 U	48.2 U	24.1 U	48.2 U	24.1 U	48.2 U	48.2 U	48.2 U	48.2 U	48.2 U	24.1 U	24.1 U	241 U	2410 U	**52**	24.1 U	**203**	**24.3**	**8.22 J**	24.1 U
South Area	SA-E16-V-(3.0-3.5)-F	3-3.5	02-Mar-2010	1860 U	1860 U	1860 U	932 U	1860 U	932 U	1860 U	1860 U	1860 U	1860 U	1860 U	932 U	932 U	9320 U	93200 U	**14100**	932 U	**7030**	**1070**	**821 J**	932 U
South Area	SA-E16-V-EW	0-2	27-Jan-2010	4500 U	4500 U	4500 U	2250 U	4500 U	2250 U	4500 U	4500 U	4500 U	4500 U	4500 U	2250 U	2250 U	22500 U	225000 U	**29300**	2250 U	**6760**	2250 U	**823 J**	2250 U
South Area	SA-E16-V-EW10 (4-6)	4.0-6.0	6/10/2010	20.9 J	**16 J**	**10.4 J**	24.5 U	49 U	24.5 U	49 U	49 U	49 U	49 U	49 U	24.5 U	24.5 U	245 U	2450 U	**121**	24.5 U	**533**	**29.2**	**23.4 J**	24.5 U
South Area	SA-E16-V-EW10 (6-8)	6.0-8.0	6/10/2010	4680 U	4680 U	4680 U	2340 U	4680 U	2340 U	4680 U	4680 U	4680 U	4680 U	4680 U	2340 U	2340 U	23400 U	234000 U	**1100000**	2340 U	**126000**	**11700**	**47000**	2340 U
South Area	SA-E16-V-EW10 (8-10)	8.0-10.0	6/10/2010	43.1 U	43.1 U	43.1 U	21.6 U	43.1 U	21.6 U	43.1 U	43.1 U	43.1 U	43.1 U	43.1 U	21.6 U	21.6 U	216 U	3920	21.6 U	**1370 J**	**2400**	**3380**	21.6 U	2340 U
South Area	SA-E16-V-EW10(0-2)	0-2	02-Mar-2010	48.5 U	48.5 U	48.5 U	24.2 U	48.5 U	24.2 U	48.5 U	48.5 U	48.5 U	48.5 U	48.5 U	24.2 U	24.2 U	242 U	2420 U	**110**	24.2 U	**234**	**7.27 J**	**8.25 J**	24.2 U
South Area	SA-E16-V-EW10(2.5-3.0)	2.5-3	08-Mar-2010	46.5 U	46.5 U	46.5 U	23.3 U	46.5 U	23.3 U	46.5 U	46.5 U	46.5 U	46.5 U	46.5 U	23.3 U	23.3 U	233 U	2330 U	**49.1**	23.3 U	**337**	**7.14 J**	**16.4 J**	23.3 U
South Area	SA-E16-V-EW10(3.0-3.5)	3-3.5	08-Mar-2010	46.8 U	46.8 U	46.8 U	23.4 U	46.8 U	23.4 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	23.4 U	23.4 U	234 U	2340 U	**28.9**	23.4 U	**249**	23.4 U	**15.4 J**	23.4 U
South Area	SA-E16-V-EW15(0-2)	0-2	02-Mar-2010	185 U	185 U	185 U	92.6 U	185 U	92.6 U	185 U	185 U	185 U	185 U	185 U	92.6 U	92.6 U	926 U	9260 U	**408**	92.6 U	**1280**	92.6 U	**31.5 J**	92.6 U
South Area	SA-E16-V-EW20 (10-12)	10.0-12.0	6/10/2010	46.1 U	46.1 U	46.1 U	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	23 U	23 U	46.1 U	**5.49 J**	23 U	23 U
South Area	SA-E16-V-EW20 (12-14)	12.0-14.0	6/10/2010	4.76 U	4.76 U	4.76 U	2.38 U	4.76 U	2.38 U	4.76 U	4.76 U	4.76 U	4.76 U	4.76 U	2.38 U	2.38 U	23.8 U	238 U	**4.53**	2.38 U	**3.94 J**	**5.38**	**1.26 J**	2.38 U
South Area	SA-E16-V-EW20 (14-16)	14.0-16.0	6/10/2010	4.88 U	4.88 U	4.88 U	2.44 U	4.88 U	2.44 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	2.44 U	2.44 U	24.4 U	244 U	**2.7**	2.44 U	**2.12 J**	**3.48**	**0.944 J**	2.44 U
South Area	SA-E16-V-EW20 (4-6)	4.0-6.0	6/10/2010	42.4 U	**10.6 J**	**7.02 J**	21.2 U	42.4 U	21.2 U	42.4 U	42.4 U	42.4 U	42.4 U	42.4 U	21.2 U	21.2 U	212 U	2120 U	**16.2 J**	21.2 U	**215**	**28.7**	**106**	21.2 U
South Area	SA-E16-V-EW20 (6-8)	6.0-8.0	6/10/2010	43.6 U	43.6 U	7.58 J	21.8 U	43.6 U	21.8 U	43.6 U	43.6 U	43.6 U	43.6 U	43.6 U	21.8 U	21.8 U	218 U	2180 U	**527**	21.8 U	**340**	**208**	**121**	21.8 U
South Area	SA-E16-V-EW20 (8-10)	8.0-10.0	6/10/2010	44.7 U	44.7 U	44.7 U	22.3 U	44.7 U	22.3 U	44.7 U	44.7 U	44.7 U	44.7 U	44.7 U	22.3 U	22.3 U	223 U	2230 U	**505**	22.3 U	**157**	**493**	**67.3**	22.3 U
South Area	SA-E16-V-EW5(0-2)	0-2	02-Mar-2010	179 U	179 U	179 U	89.7 U	179 U	89.7 U	179 U	179 U	179 U	179 U	179 U	89.7 U	89.7 U	897 U	8970 U	**474**	89.7 U	**1310**	**45.2 J**	**51.9 J**	89.7 U
South Area	SA-E16-V-F	2	27-Jan-2010	448 U	448 U	448 U	224 U	448 U	224 U	448 U	448 U	448 U	448 U	448 U	224 U	224 U	2240 U	22400 U	**2250**	224 U	**2370**	**111 J**	**304**	224 U
South Area	SA-E16-V-F(10-11)	10.0-11.0	6/8/2010	4.87 U	4.87 U	4.87 U	2.43 U	4.87 U	2.43 U	4.87 U	4.87 U	4.87 U	4.87 U	4.87 U	2.43 U	2.43 U	24.3 U	243 U	**0.694 J**	2.43 U	**2.75 J**	2.43 U	2.43 U	2.43 U
South Area	SA-E16-V-F(11-12)	11.0-12.0	6/8/2010	4.86 U	4.86 U	4.86 U	2.43 U	4.86 U	2.43 U	4.86 U	4.86 U	4.86 U	4.86 U	4.86 U	2.43 U	2.43 U	24.3 U	243 U	**6.82**	2.43 U	**9.43**	**0.645 J**	**1.74 J**	2.43 U
South Area	SA-E16-V-F(12-13)	12.0-13.0	6/8/2010	4.67 U	4.67 U	4.67 U	2.33 U	4.67 U	2.33 U	4.67 U	4.67 U	4.67 U	4.67 U	4.67 U	2.33 U	2.33 U	23.3 U	233 U	**16.4**	2.33 U	**11.6**	**2.74**	**2.49**	2.33 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

		Proposed Site-Specific RRS Values (ug/kg):		*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*	
South Area	SA-E16-V-F(3.5-4.0)	3.5-4.0	27-Apr-2010	2280 U	2280 U	2280 U	1140 U	2280 U	1140 U	2280 U	2280 U	2280 U	2280 U	2280 U	1140 U	1140 U	11400 U	114000 U	**4,340 B**	1140 U	**12,600**	**845 J**	**407 J**	1140 U
South Area	SA-E16-V-F(4.0-4.5)	4.0-4.5	27-Apr-2010	4520 U	4520 U	4520 U	2260 U	4520 U	2260 U	4520 U	4520 U	4520 U	4520 U	4520 U	2260 U	2260 U	22600 U	226000 U	**24,000 B**	2260 U	**12,600**	2,260 U	**986 J**	2260 U
South Area	SA-E16-V-F(4.5-5.0)	4.5-5.0	27-Apr-2010	895 U	895 U	895 U	448 U	895 U	448 U	895 U	895 U	895 U	895 U	895 U	448 U	448 U	4480 U	44800 U	**2,830 B**	448 U	**3,970**	**330 J**	**86.8 J**	448 U
South Area	SA-E16-V-F(5.0-6.0)	5.0-6.0	27-Apr-2010	458 U	458 U	458 U	229 U	458 U	229 U	458 U	458 U	458 U	458 U	458 U	229 U	229 U	2290 U	22900 U	**15,100**	229 U	**3,020**	**360**	**316**	229 U
South Area	SA-E16-V-F(6.0-7.0)	6.0-7.0	27-Apr-2010	**114 J**	229 U	229 U	114 U	229 U	114 U	229 U	229 U	229 U	229 U	229 U	114 U	114 U	1140 U	11400 U	**1500**	114 U	**1270**	**150**	**46 J**	114 U
South Area	SA-E16-V-F(7-8)	7.0-8.0	27-Apr-2010	**36.9 J**	223 U	223 U	112 U	223 U	112 U	223 U	223 U	223 U	223 U	223 U	112 U	112 U	1120 U	11200 U	**1230**	112 U	**648**	**279**	**68.1 J**	112 U
South Area	SA-E16-V-F(9-10)	9.0-10.0	6/8/2010	44.6 U	44.6 U	44.6 U	22.3 U	44.6 U	22.3 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	22.3 U	22.3 U	223 U	2230 U	**184**	22.3 U	**44.4 J**	**25.8**	**81.1**	22.3 U
South Area	SA-E16-V-WW	0-2	27-Jan-2010	460 U	460 U	460 U	230 U	460 U	230 U	460 U	460 U	460 U	460 U	460 U	230 U	230 U	2300 U	23000 U	**14900**	230 U	**6670**	**352**	**619**	230 U
South Area	SA-E16-V-WW10 (6-7)	6.0-7.0	6/8/2010	4.79 U	4.79 U	4.79 U	2.4 U	4.79 U	2.4 U	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	2.4 U	2.4 U	24 U	240 U	**4.51**	2.4 U	**34.5**	**5.87**	**2.25 J**	2.4 U
South Area	SA-E16-V-WW10 (7-8)	7.0-8.0	6/8/2010	48.7 U	48.7 U	48.7 U	24.3 U	48.7 U	24.3 U	48.7 U	48.7 U	48.7 U	48.7 U	48.7 U	24.3 U	24.3 U	243 U	2430 U	**87.6**	24.3 U	**94.3**	**96.5**	**32.9**	24.3 U
South Area	SA-E16-V-WW10 (8-9)	8.0-9.0	6/8/2010	4.85 U	4.85 U	4.85 U	2.43 U	4.85 U	2.43 U	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U	2.43 U	2.43 U	24.3 U	243 U	**35.5**	2.43 U	**25.9**	**11.5**	2.43 U	2.4 U
South Area	SA-E16-V-WW10 (9-10)	9.0-10.0	6/8/2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	**1880**	24.2 U	**328**	**74.3**	**67.2**	24.2 U
South Area	SA-E16-V-WW10(0-2)	0-2	02-Mar-2010	22400 U	22400 U	22400 U	11200 U	22400 U	11200 U	22400 U	22400 U	22400 U	22400 U	22400 U	11200 U	11200 U	112000 U	1120000 U	**296000**	11200 U	**50000**	**2580 J**	**8350 J**	11200 U
South Area	SA-E16-V-WW10(2.5-3.0)	2.5-3	08-Mar-2010	232 U	232 U	232 U	116 U	232 U	116 U	232 U	232 U	232 U	232 U	232 U	116 U	116 U	1160 U	11600 U	**742**	116 U	**1820**	116 U	**90.7 J**	116 U
South Area	SA-E16-V-WW10(3.0-3.5)	3-3.5	08-Mar-2010	9480 U	9480 U	9480 U	4740 U	9480 U	4740 U	9480 U	9480 U	9480 U	9480 U	9480 U	4740 U	4740 U	47400 U	474000 U	**62200**	4740 U	**16800**	4740 U	**2400 J**	4740 U
South Area	SA-E16-V-WW10(3.5-4.0)	3.5-4.0	29-Apr-2010	90.7 U	90.7 U	90.7 U	45.3 U	90.7 U	45.3 U	90.7 U	90.7 U	90.7 U	90.7 U	90.7 U	45.3 U	45.3 U	453 U	4530 U	**637**	45.3 U	**739**	**273**	**94.4**	45.3 U
South Area	SA-E16-V-WW10(4.0-4.5)	4.0-4.5	29-Apr-2010	4430 U	4430 U	4430 U	2220 U	4430 U	2220 U	4430 U	4430 U	4430 U	4430 U	4430 U	2220 U	2220 U	22200 U	222000 U	**176,000**	2220 U	**22,000**	**2,540**	**16,400**	2220 U
South Area	SA-E16-V-WW10(4.5-5.0)	4.5-5.0	29-Apr-2010	2420 U	2420 U	2420 U	1210 U	2420 U	1210 U	2420 U	2420 U	2420 U	2420 U	2420 U	1210 U	1210 U	12100 U	121000 U	**11,600**	1210 U	**11,600**	**1,340**	**542 J**	1210 U
South Area	SA-E16-V-WW15(0-2)	0-2	02-Mar-2010	46.1 U	46.1 U	46.1 U	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	**10.8 J**	23 U	46.1 U	23 U	23 U	23 U
South Area	SA-E16-V-WW15(3.5-4.0)	3.5-4.0	29-Apr-2010	497 U	497 U	497 U	248 U	497 U	248 U	497 U	497 U	497 U	497 U	497 U	248 U	248 U	2480 U	24800 U	**12,200**	248 U	**3680**	**466**	**404**	248 U
South Area	SA-E16-V-WW15(4.0-4.5)	4.0-4.5	29-Apr-2010	494 U	494 U	494 U	247 U	494 U	247 U	494 U	494 U	494 U	494 U	494 U	247 U	247 U	2470 U	24700 U	**3,140**	247 U	**2,370**	**388**	**168 J**	247 U
South Area	SA-E16-V-WW15(4.5-5.0)	4.5-5.0	29-Apr-2010	261 U	261 U	261 U	131 U	261 U	131 U	261 U	261 U	261 U	261 U	261 U	131 U	131 U	1310 U	13100 U	**892**	131 U	**1,260**	**130 J**	**43.9 J**	131 U
South Area	SA-E16-V-WW15(6-7)	6.0-7.0	6/8/2010	4.78 U	4.78 U	4.78 U	2.39 U	4.78 U	2.39 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	2.39 U	2.39 U	23.9 U	239 U	2.39 U	2.39 U	**7.75**	**1.45 J**	**0.788 J**	2.39 U
South Area	SA-E16-V-WW15(7-8)	7.0-8.0	6/8/2010	4.77 U	4.77 U	4.77 U	2.39 U	4.77 U	2.39 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	2.39 U	2.39 U	23.9 U	239 U	2.39 U	2.39 U	4.77 U	2.39 U	2.39 U	2.39 U
South Area	SA-E16-V-WW15(8-9)	8.0-9.0	6/8/2010	4.78 U	4.78 U	4.78 U	2.39 U	4.78 U	2.39 U	4.78 U	4.78 U	4.78 U	4.78 U	4.78 U	2.39 U	2.39 U	23.9 U	239 U	**9.16**	2.39 U	**14.1**	**16.9**	2.39 U	2.39 U
South Area	SA-E16-V-WW15(9-10)	9.0-10.0	6/8/2010	46.6 U	46.6 U	46.6 U	23.3 U	46.6 U	23.3 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	23.3 U	23.3 U	233 U	2330 U	**293**	23.3 U	**84.9**	**47.2**	**12.9 J**	23.3 U
South Area	SA-E16-V-WW20(2.5-3.0)	2.5-3.0	29-Apr-2010	225 U	225 U	225 U	112 U	225 U	112 U	225 U	225 U	225 U	225 U	225 U	112 U	112 U	1120 U	11200 U	**1,630**	112 U	**1190**	**269**	**148**	112 U
South Area	SA-E16-V-WW20(3.0-3.5)	3.0-3.5	29-Apr-2010	449 U	449 U	449 U	225 U	449 U	225 U	449 U	449 U	449 U	449 U	449 U	225 U	225 U	2250 U	22500 U	**1,090**	225 U	**1,880**	**96.6 J**	**72.9 J**	225 U
South Area	SA-E16-V-WW20(3.5-4.0)	3.5-4.0	29-Apr-2010	4530 U	4530 U	4530 U	2270 U	4530 U	2270 U	4530 U	4530 U	4530 U	4530 U	4530 U	2270 U	2270 U	22700 U	227000 U	**35,600**	2270 U	**7,470**	**696 J**	**2200 J**	2270 U
South Area	SA-E16-V-WW20(5-6)	5.0-6.0	6/8/2010	4.8 U	4.8 U	4.8 U	2.4 U	4.8 U	2.4 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	2.4 U	2.4 U	24 U	240 U	**4.4**	2.4 U	**18.1**	**2.41**	2.4 U	2.4 U
South Area	SA-E16-V-WW20(6-7)	6.0-7.0	6/8/2010	48.2 U	48.2 U	48.2 U	24.1 U	48.2 U	24.1 U	48.2 U	48.2 U	48.2 U	48.2 U	48.2 U	24.1 U	24.1 U	241 U	2410 U	24.1 U	24.1 U	**13.5 J**	**5.78 J**	24.1 U	24.1 U
South Area	SA-E16-V-WW20(7-8)	7.0-8.0	6/8/2010	4.87 U	4.87 U	4.87 U	2.43 U	4.87 U	2.43 U	4.87 U	4.87 U	4.87 U	4.87 U	4.87 U	2.43 U	2.43 U	24.3 U	243 U	**0.519 J**	2.43 U	**7.45**	**1.85 J**	2.43 U	2.43 U
South Area	SA-E16-V-WW20(8-9)	8.0-9.0	6/8/2010	4.61 U	4.61 U	4.61 U	2.3 U	4.61 U	2.3 U	4.61 U	4.61 U	4.61 U	4.61 U	4.61 U	2.3 U	2.3 U	23 U	230 U	**0.814 J**	2.3 U	**5.34**	**1.05 J**	2.3 U	2.3 U
South Area	SA-E16-V-WW25(2.5-3.0)	2.5-3.0	29-Apr-2010	582 U	582 U	582 U	291 U	582 U	291 U	582 U	582 U	582 U	582 U	582 U	291 U	291 U	2910 U	29100 U	**3,130**	291 U	**1240**	**407**	**91.9 J**	291 U
South Area	SA-E16-V-WW25(3.0-3.5)	3.0-3.5	29-Apr-2010	2180 U	2180 U	2180 U	1090 U	2180 U	1090 U	2180 U	2180 U	2180 U	2180 U	2180 U	1090 U	1090 U	10900 U	109000 U	**49,000**	1090 U	**14,200**	**2,740**	**3760**	1090 U
South Area	SA-E16-V-WW25(3.5-4.0)	3.5-4.0	29-Apr-2010	232000 U	232000 U	232000 U	116000 U	232000 U	116000 U	232000 U	232000 U	232000 U	232000 U	232000 U	116000 U	116000 U	1160000 U	11600000 U	**17,200,000**	116000 U	**1230000**	**384000**	**497000**	116000 U
South Area	SA-E16-V-WW25(5-6)	5.0-6.0	6/8/2010	49.8 U	49.8 U	49.8 U	24.9 U	49.8 U	24.9 U	49.8 U	49.8 U	49.8 U	49.8 U	49.8 U	24.9 U	24.9 U	249 U	2490 U	**63.6**	24.9 U	**39.8 J**	**77.2**	**12 J**	24.9 U
South Area	SA-E16-V-WW25(6-7)	6.0-7.0	6/8/2010	49 U	49 U	49 U	24.5 U	49 U	24.5 U	49 U	49 U	49 U	49 U	49 U	24.5 U	24.5 U	245 U	2450 U	**72.1**	24.5 U	**21.9 J**	**33.2**	**12.5 J**	24.5 U
South Area	SA-E16-V-WW25(7-8)	7.0-8.0	6/8/2010	4.9 U	4.9 U	4.9 U	2.45 U	4.9 U	2.45 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	2.45 U	2.45 U	24.5 U	245 U	2.45 U	2.45 U	**13.5**	**24.5**	**6.88**	2.45 U
South Area	SA-E16-V-WW25(8-9)	8.0-9.0	6/8/2010	4.85 U	4.85 U	4.85 U	2.42 U	4.85 U	2.42 U	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U	2.42 U	2.42 U	24.2 U	242 U	**10.9**	2.42 U	**9.63**	**25.5**	**2.01 J**	2.42 U
South Area	SA-E16-V-WW30(2.5-3.0)	2.5-3.0	29-Apr-2010	457 U	457 U	457 U	228 U	457 U	228 U	457 U	457 U	457 U	457 U	457 U	228 U	228 U	2280 U	22800 U	**703**	228 U	**3120**	**74.2 J**	**48.2 J**	228 U
South Area	SA-E16-V-WW30(3.0-3.5)	3.0-3.5	29-Apr-2010	224 U	224 U	224 U	112 U	224 U	112 U	224 U	224 U	224 U	224 U	224 U	112 U	112 U	1120 U	11200 U	**1,130**	112 U	**1590**	**366**	**54.1 J**	112 U
South Area	SA-E16-V-WW30(3.5-4.0)	3.5-4.0	29-Apr-2010	91200 U	91200 U	91200 U	45600 U	91200 U	45600 U	91200 U	91200 U	91200 U	91200 U	91200 U	45600 U	45600 U	456000 U	4560000 U	**3,300,000**	45600 U	**431,000**	**115,000**	**501,000**	45600 U
South Area	SA-E16-V-WW30(5-6)	5.0-6.0	6/8/2010	48.6 U	48.6 U	48.6 U	24.3 U	48.6 U	24.3 U	48.6 U	48.6 U	48.6 U	48.6 U	48.6 U	24.3 U	24.3 U	243 U	2430 U	**202**	24.3 U	**105**	**96.2**	**16.7 J**	24.3 U
South Area	SA-E16-V-WW30(6-7)	6.0-7.0	6/8/2010	48.1 U	48.1 U	48.1 U	24 U	48.1 U	24 U	48.1 U	48.1 U	48.1 U	48.1 U	48.1 U	24 U	24 U	240 U	2400 U	**48 J**	24 U	481 U	**112**	**82.3**	24 U
South Area	SA-E16-V-WW30(7-8)	7.0-8.0	6/8/2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	**232**	24.2 U	**80.1**	**121**	**17.3 J**	24.2 U
South Area	SA-E16-V-WW30(8-9)	8.0-9.0	6/8/2010	47.5 U	47.5 U	47.5 U	23.7 U	47.5 U	23.7 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.7 U	23.7 U	237 U	2370 U	**71**	23.7 U	**64.5**	**76.5**	**8.01 J**	23.7 U
South Area	SA-E16-V-WW35 (2-4)	2.0-4.0	6/9/2010	4290 U	**1530 J**	4290 U	2140 U	4290 U	2140 U	4290 U	4290 U	4290 U	4290 U	4290 U	2140 U	2140 U	21400 U	214000 U	**52900**	2140 U	**302000**	**98600**	**4100**	2140 U
South Area	SA-E16-V-WW35 (4-6)	4.0-6.0	6/9/2010	45.4 U	45.4 U	45.4 U	22.7 U	45.4 U	22.7 U	45.4 U	45.4 U	45.4 U	45.4 U	45.4 U	22.7 U	22.7 U	227 U	2270 U	**51.6**	22.7 U	**198**	**183**	**16.9 J**	22.7 U
South Area	SA-E16-V-WW35 (6-8)	6.0-8.0	6/9/2010	41.2 U	41.2 U	41.2 U	20.6 U	41.2 U	20.6 U	41.2 U	41.2 U	41.2 U	41.2 U	41.2 U	20.6 U	20.6 U	206 U	2060 U	20.6 U	20.6 U	**5.63 J**	20.6 U	20.6 U	20.6 U
South Area	SA-E16-V-WW35 (8-10)	8.0-10.0	6/9/2010	42.2 U	42.2 U	42.2 U	21.1 U	42.2 U	21.1 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	21.1 U	21.1 U	211 U	2110 U	21.1 U	21.1 U	42.2 U	21.1 U	21.1 U	21.1 U
South Area	SA-E16-V-WW40 (2-4)	2.0-4.0	6/9/2010	45 U	45 U	45 U	22.5 U	45 U	22.5 U	45 U	45 U	45 U	45 U	45 U	22.5 U	22.5 U	225 U	2250 U	**12.5 J**	22.5 U	**25.9 J**	**28.1**	**18.3 J**	22.5 U
South Area	SA-E16-V-WW40 (4-6)	4.0-6.0	6/9/2010	41.3 U	41.3 U	41.3 U	20.6 U	41.3 U	20.6 U	41.3 U	41.3 U	41.3 U	41.3 U	41.3 U	20.6 U	20.6 U	206 U	2060 U	**13.6 J**	20.6 U	**70**	**78.6**	**22.2**	20.6 U
South Area	SA-E16-V-WW40 (6-8)	6.0-8.0	6/9/2010	43.1 U	43.1 U	43.1 U	21.5 U	43.1 U	21.5 U	43.1 U	43.1 U	43.1 U	43.1 U	43.1 U	21.5 U	21.5 U	215 U	2150 U	**37.3**	21.5 U	**68.8**	**55.7**	**30.1**	21.5 U
South Area	SA-E16-V-WW40 (8-10)	8.0-10.0	6/9/2010	41 U	41 U	41 U	20.5 U	41 U	20.5 U	41 U	41 U	41 U	41 U	41 U	20.5 U	20.5 U	205 U	2050 U	**94**	20.5 U	**73.8**	**76**	**30.9**	20.5 U
South Area	SA-E16-V-WW45(2-4)	2.0-4.0	6/10/2010	45.5 U	45.5 U	45.5 U	22.7 U	45.5 U	22.7 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	22.7 U	22.7 U	227 U	2270 U	**17.4 J**	22.7 U	**9.89 J**	22.7 U	**5.45 J**	22.7 U
South Area	SA-E16-V-WW45(4-6)	4.0-6.0	6/10/2010	47.2 U	47.2 U	47.2 U	23.6 U	47.2 U	23.6 U	47.2 U	47.2 U	47.2 U	47.2 U	47.2 U	23.6 U	23.6 U	236 U	2360 U	23.6 U	23.6 U	47.2 U	23.6 U	23.6 U	23.6 U
South Area	SA-E16-V-WW45(6-8)	6.0-8.0	6/10/2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	24.2 U	24.2 U	48.4 U	24.2 U	24.2 U	24.2 U
South Area	SA-E16-V-WW45(8-10)	8.0-10.0	6/10/2010	47.5 U	47.5 U	47.5 U	23.8 U	47.5 U	23.8 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.8 U	23.8 U	238 U	2380 U	23.8 U	23.8 U	47.5 U	23.8 U	23.8 U	23.8 U
South Area	SA-E16-V-WW5 (6-7)	6.0-7.0	6/8/2010	44.9 U	44.9 U	44.9 U	22.5 U	44.9 U	22.5 U	44.9 U	44.9 U	44.9 U	44.9 U	44.9 U	22.5 U	22.5 U	225 U	2250 U	**22.8**	22.5 U	**45.9**	**18 J**	**4.16 J**	22.5 U
South Area	SA-E16-V-WW5 (7-8)	7.0-8.0	6/8/2010	46.8 U	46.8 U	46.8 U	23.4 U	46.8 U	23.4 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	23.4 U	23.4 U	234 U	2340 U	**114**	23.4 U	**177**	**198**	**29.9**	23.4 U
South Area	SA-E16-V-WW5 (8-9)	8.0-9.0	6/8/2010	4.94 U	4.94 U	4.94 U	2.47 U	4.94 U	2.47 U	4.94 U	4.94 U	4.94 U	4.94 U	4.94 U	2.47 U	2.47 U	24.7 U	247 U	**2.22 J**	2.47 U	**4.09 J**	**2.48**	2.47 U	2.47 U
South Area	SA-E16-V-WW5 (9-10)	9.0-10.0	6/8/2010	4.5 U	4.5 U	4.5 U	2.25 U	4.5 U	2.25 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	2.25 U	2.25 U	22.5 U	225 U	2.25 U	2.25 U	4.5 U	2.25 U	2.25 U	2.25 U
South Area	SA-E16-V-WW5(0-2)	0-2	02-Mar-2010	47.6 U	47.6 U	47.6 U	23.8 U	47.6 U	23.8 U	47.6 U	47.6 U	47.6 U	47.6 U	47.6 U	23.8 U	23.8 U	238 U	2380 U	**16.9 J**	23.8 U	**70**	23.8 U	23.8 U	23.8 U
South Area	SA-E16-V-WW5(3.5-4.0)	3.5-4.0	29-Apr-2010	2280 U	2280 U	2280 U	1140 U	2280 U	1140 U	2280 U	2280 U	2280 U	2280 U	2280 U	1140 U	1140 U	11400 U	114000 U	**297,000**	1140 U	**23,600**	**4,670**	**8030**	1140 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

		Proposed Site-Specific RRS Values (ug/kg):		*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*	
South Area	SA-E16-V-WW5(4.0-4.5)	4.0-4.5	29-Apr-2010	2350 U	2350 U	2350 U	1180 U	2350 U	1180 U	2350 U	2350 U	2350 U	2350 U	2350 U	1180 U	1180 U	11800 U	118000 U	**23,600**	1180 U	**17700**	**2110**	**1430**	1180 U
South Area	SA-E16-V-WW5(4.5-5.0)	4.5-5.0	29-Apr-2010	4430 U	4430 U	4430 U	2210 U	4430 U	2210 U	4430 U	4430 U	4430 U	4430 U	4430 U	2210 U	2210 U	22100 U	221000 U	**225,000**	2210 U	**32,600**	**5,840**	**8,770**	2210 U
South Area	SA-E16-V-WW50 (3-4)	3.0-4.0	6/10/2010	46.7 U	**7.26 J**	**19.1 J**	23.3 U	46.7 U	23.3 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	23.3 U	23.3 U	233 U	2330 U	**12.6 J**	23.3 U	**163**	23.3 U	**4.58 J**	23.3 U
South Area	SA-E16-V-WW50 (4-5)	4.0-5.0	6/10/2010	47.1 U	47.1 U	47.1 U	23.6 U	47.1 U	23.6 U	47.1 U	47.1 U	47.1 U	47.1 U	47.1 U	23.6 U	23.6 U	236 U	2360 U	23.6 U	23.6 U	**30.2 J**	23.6 U	23.6 U	23.6 U
South Area	SA-E16-V-WW50 (5-6)	5.0-6.0	6/10/2010	46.5 U	46.5 U	**5.82 J**	23.3 U	46.5 U	23.3 U	46.5 U	46.5 U	46.5 U	46.5 U	46.5 U	23.3 U	23.3 U	233 U	2330 U	23.3 U	23.3 U	**35.8 J**	23.3 U	23.3 U	23.3 U
South Area	SA-E16-V-WW50 (6-7)	6.0-7.0	6/10/2010	46.3 U	46.3 U	46.3 U	23.2 U	46.3 U	23.2 U	46.3 U	46.3 U	46.3 U	46.3 U	46.3 U	23.2 U	23.2 U	232 U	2320 U	23.2 U	23.2 U	**24.9 J**	23.2 U	23.2 U	23.2 U
South Area	SA-E16-W-EW	0-2	26-Jan-2010	24.1 U	24.1 U	24.1 U	12.1 U	24.1 U	12.1 U	24.1 U	24.1 U	24.1 U	24.1 U	24.1 U	12.1 U	12.1 U	121 U	1210 U	12.1 U	12.1 U	**22 J**	12.1 U	12.1 U	12.1 U
South Area	SA-E16-W-F	2	26-Jan-2010	4.8 U	4.8 U	4.8 U	2.4 U	4.8 U	2.4 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	2.4 U	2.4 U	24 U	240 U	2.4 U	2.4 U	**1.45 J**	2.4 U	2.4 U	2.4 U
South Area	SA-E16-W-SW	0-2	26-Jan-2010	24 U	**4.44 J**	**5.43 J**	12 U	24 U	12 U	24 U	24 U	24 U	24 U	24 U	12 U	12 U	120 U	1200 U	12 U	12 U	**5.65 J**	12 U	12 U	12 U
South Area	SA-E16-W-WW	0-2	26-Jan-2010	24.2 U	**4.5 J**	**5.64 J**	12.1 U	24.2 U	12.1 U	24.2 U	24.2 U	24.2 U	24.2 U	24.2 U	12.1 U	12.1 U	121 U	1210 U	12.1 U	12.1 U	**46.3**	12.1 U	12.1 U	12.1 U
South Area	SA-E16-X(2.5-3.0)-F	2.5-3	02-Mar-2010	2250 U	2250 U	2250 U	1130 U	2250 U	1130 U	2250 U	2250 U	2250 U	2250 U	2250 U	1130 U	1130 U	11300 U	113000 U	**18100**	1130 U	**13000**	**475 J**	**651 J**	1130 U
South Area	SA-E16-X-(3.0-3.5)-F	3-3.5	02-Mar-2010	1850 U	1850 U	1850 U	924 U	1850 U	924 U	1850 U	1850 U	1850 U	1850 U	1850 U	924 U	924 U	9240 U	92400 U	**5600**	924 U	**10000**	**548 J**	**257 J**	924 U
South Area	SA-E16-X-EW	0-2	27-Jan-2010	22800 U	22800 U	22800 U	11400 U	22800 U	11400 U	22800 U	22800 U	22800 U	22800 U	22800 U	11400 U	11400 U	114000 U	1140000 U	**701000**	11400 U	**90800**	**35600**	**51700**	11400 U
South Area	SA-E16-X-EW10 (4-6)	4.0-6.0	6/10/2010	**4.39 J**	**5.21 J**	42.1 U	21.1 U	42.1 U	21.1 U	42.1 U	42.1 U	42.1 U	42.1 U	42.1 U	21.1 U	21.1 U	211 U	2110 U	**25.4**	21.1 U	**362**	**7.88 J**	**5.27 J**	21.1 U
South Area	SA-E16-X-EW10 (6-8)	6.0-8.0	6/10/2010	**9.51 J**	**22.4 J**	**10 J**	21.2 U	42.5 U	21.2 U	42.5 U	42.5 U	42.5 U	42.5 U	42.5 U	21.2 U	21.2 U	212 U	2120 U	**12.3 J**	21.2 U	**55.6**	21.2 U	21.2 U	21.2 U
South Area	SA-E16-X-EW10 (8-10)	8.0-10.0	6/10/2010	42.6 U	42.6 U	**7.91 J**	21.3 U	42.6 U	21.3 U	42.6 U	42.6 U	42.6 U	42.6 U	42.6 U	21.3 U	21.3 U	213 U	2130 U	**59.7**	21.3 U	**1370**	**24.5**	**11.7 J**	21.3 U
South Area	SA-E16-X-EW20 (10-12)	10.0-12.0	6/10/2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	**367**	24.2 U	**88.9**	**16 J**	**10.5 J**	24.2 U
South Area	SA-E16-X-EW20 (12-14)	12.0-14.0	6/10/2010	46.5 U	46.5 U	46.5 U	23.2 U	46.5 U	23.2 U	46.5 U	46.5 U	46.5 U	46.5 U	46.5 U	23.2 U	23.2 U	232 U	2320 U	23.2 U	23.2 U	46.5 U	23.2 U	23.2 U	23.2 U
South Area	SA-E16-X-EW20 (14-16)	14.0-16.0	6/10/2010	47 U	47 U	47 U	23.5 U	47 U	23.5 U	47 U	47 U	47 U	47 U	47 U	23.5 U	23.5 U	235 U	2350 U	23.5 U	23.5 U	47 U	23.5 U	23.5 U	23.5 U
South Area	SA-E16-X-EW20 (4-6)	4.0-6.0	6/10/2010	9.26 J	8.45 J	20.1 J	23.2 U	46.3 U	23.2 U	46.3 U	46.3 U	46.3 U	46.3 U	46.3 U	23.2 U	23.2 U	232 U	2320 U	**46.3**	23.2 U	**491**	**17.8 J**	**12.7 J**	23.2 U
South Area	SA-E16-X-EW20 (6-8)	6.0-8.0	6/10/2010	411 U	411 U	411 U	206 U	411 U	206 U	411 U	411 U	411 U	411 U	411 U	206 U	206 U	2060 U	20600 U	**49500**	206 U	**31600 J**	**516**	**1030**	206 U
South Area	SA-E16-X-EW20 (8-10)	8.0-10.0	6/10/2010	40600 U	40600 U	40600 U	20300 U	40600 U	20300 U	40600 U	40600 U	40600 U	40600 U	40600 U	20300 U	20300 U	203000 U	2030000 U	**4680000**	20300 U	**645000 J**	**122000**	**1020000**	20300 U
South Area	SA-E16-X-F	2	27-Jan-2010	448 U	448 U	448 U	224 U	448 U	224 U	448 U	448 U	448 U	448 U	448 U	224 U	224 U	2240 U	22400 U	**3520**	224 U	**3740**	**102 J**	**113 J**	224 U
South Area	SA-E16-X-F (10-11)	10.0-11.0	6/9/2010	4.71 U	4.71 U	4.71 U	2.36 U	4.71 U	2.36 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	2.36 U	2.36 U	23.6 U	236 U	2.36 U	2.36 U	**2.06 J**	**11.7**	2.36 U	2.36 U
South Area	SA-E16-X-F (11-12)	11.0-12.0	6/9/2010	4.67 U	4.67 U	4.67 U	2.33 U	4.67 U	2.33 U	4.67 U	4.67 U	4.67 U	4.67 U	4.67 U	2.33 U	2.33 U	23.3 U	233 U	**22.1**	2.33 U	**14.2**	**9.5**	**0.965 J**	2.33 U
South Area	SA-E16-X-F (12-13)	12.0-13.0	6/9/2010	4.77 U	4.77 U	4.77 U	2.39 U	4.77 U	2.39 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	2.39 U	2.39 U	23.9 U	239 U	**2.29 J**	2.39 U	**3.87 J**	**2.04 J**	**0.576 J**	2.39 U
South Area	SA-E16-X-F (9-10)	9.0-10.0	6/9/2010	4.71 U	4.71 U	4.71 U	2.36 U	4.71 U	2.36 U	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	2.36 U	2.36 U	23.6 U	236 U	2.36 U	2.36 U	4.71 U	2.36 U	2.36 U	2.36 U
South Area	SA-E16-X-F(3.5-4.0)	3.5-4.0	27-Apr-2010	1920 U	1920 U	1920 U	960 U	1920 U	960 U	1920 U	1920 U	1920 U	1920 U	1920 U	960 U	960 U	9600 U	96000 U	**3,650 B**	960 U	**7,170**	**632 J**	960 U	960 U
South Area	SA-E16-X-F(4.0-4.5)	4.0-4.5	27-Apr-2010	244 U	244 U	244 U	122 U	244 U	122 U	244 U	244 U	244 U	244 U	244 U	122 U	122 U	1220 U	12200 U	**1,240 B**	122 U	**1,050**	**533**	**97.8 J**	122 U
South Area	SA-E16-X-F(4.5-5.0)	4.5-5.0	27-Apr-2010	175 U	175 U	175 U	87.7 U	175 U	87.7 U	175 U	175 U	175 U	175 U	175 U	87.7 U	87.7 U	877 U	8770 U	**1,080 B**	87.7 U	**479**	**156**	**223**	87.7 U
South Area	SA-E16-X-F(5-6)	5.0-6.0	27-Apr-2010	**24.8 J**	**26 J**	**166 J**	112 U	223 U	112 U	223 U	223 U	223 U	223 U	223 U	112 U	112 U	1120 U	11200 U	**47,500**	112 U	**8,150**	**380**	**8,380**	112 U
South Area	SA-E16-X-F(6-7)	6.0-7.0	27-Apr-2010	2420 U	2420 U	2420 U	1210 U	2420 U	1210 U	2420 U	2420 U	2420 U	2420 U	2420 U	1210 U	1210 U	12100 U	121000 U	**19,100**	1210 U	**19,500**	**1,020 J**	**4,040**	1210 U
South Area	SA-E16-X-F(7-8)	7.0-8.0	27-Apr-2010	522 U	522 U	522 U	261 U	522 U	261 U	522 U	522 U	522 U	522 U	522 U	261 U	261 U	2610 U	26100 U	**10,200**	261 U	**2,090**	**952**	**1,340**	261 U
South Area	SA-E16-X-SW	0-2	27-Jan-2010	230 U	230 U	230 U	115 U	230 U	115 U	230 U	230 U	230 U	230 U	230 U	115 U	115 U	1150 U	11500 U	**129**	115 U	**1060**	115 U	**24.7 J**	115 U
South Area	SA-E16-X-WW	0-2	27-Jan-2010	4560 U	4560 U	4560 U	2280 U	4560 U	2280 U	4560 U	4560 U	4560 U	4560 U	4560 U	2280 U	2280 U	22800 U	228000 U	**240000**	2280 U	**32000**	**3440**	**45700**	2280 U
South Area	SA-E16-X-WW10(0-2.0)	0-2	09-Mar-2010	2330 U	2330 U	2330 U	1170 U	2330 U	1170 U	2330 U	2330 U	2330 U	2330 U	2330 U	1170 U	1170 U	11700 U	117000 U	**16800**	1170 U	**2330**	**462 J**	**1260**	1170 U
South Area	SA-E16-X-WW10(0-2.0) DUP	0-2	09-Mar-2010	18600 U	18600 U	18600 U	9300 U	18600 U	9300 U	18600 U	18600 U	18600 U	18600 U	18600 U	9300 U	9300 U	93000 U	930000 U	**139000**	9300 U	**20600**	**2300 J**	**6670 J**	9300 U
South Area	SA-E16-X-WW10(2.5-3.0)	2.5-3	09-Mar-2010	917 U	917 U	917 U	459 U	917 U	459 U	917 U	917 U	917 U	917 U	917 U	459 U	459 U	4590 U	45900 U	**5570**	459 U	**2640**	459 U	**207 J**	459 U
South Area	SA-E16-X-WW10(2.5-3.0) DUP	2.5-3	09-Mar-2010	1810 U	1810 U	1810 U	904 U	1810 U	904 U	1810 U	1810 U	1810 U	1810 U	1810 U	904 U	904 U	9040 U	90400 U	**13800**	904 U	**3790**	904 U	**466 J**	904 U
South Area	SA-E16-X-WW10(3.0-3.5)	3-3.5	09-Mar-2010	1830 U	1830 U	1830 U	916 U	1830 U	916 U	1830 U	1830 U	1830 U	1830 U	1830 U	916 U	916 U	9160 U	91600 U	**8440**	916 U	**7050**	916 U	916 U	916 U
South Area	SA-E16-X-WW10(3.0-3.5) DUP	3-3.5	09-Mar-2010	915 U	915 U	915 U	457 U	915 U	457 U	915 U	915 U	915 U	915 U	915 U	457 U	457 U	4570 U	45700 U	**2780**	457 U	**5210**	457 U	**99.3 J**	457 U
South Area	SA-E16-X-WW10(3.5-4.0)	3.5-4.0	28-Apr-2010	219 U	219 U	219 U	110 U	219 U	110 U	219 U	219 U	219 U	219 U	219 U	110 U	110 U	1100 U	11000 U	**433**	110 U	**1030**	**144**	**52.4 J**	110 U
South Area	SA-E16-X-WW10(4.0-4.5)	4.0-4.5	28-Apr-2010	225 U	225 U	225 U	112 U	225 U	112 U	225 U	225 U	225 U	225 U	225 U	112 U	112 U	1120 U	11200 U	**404**	112 U	**1020**	**136**	**73.4 J**	112 U
South Area	SA-E16-X-WW10(4.5-5.0)	4.5-5.0	28-Apr-2010	94.5 U	94.5 U	94.5 U	47.2 U	94.5 U	47.2 U	94.5 U	94.5 U	94.5 U	94.5 U	94.5 U	47.2 U	47.2 U	472 U	4720 U	**155**	47.2 U	**191**	**31 J**	**10.1 J**	47.2 U
South Area	SA-E16-X-WW15(0-2.0)	0-2	09-Mar-2010	45.8 U	45.8 U	45.8 U	22.9 U	45.8 U	22.9 U	45.8 U	45.8 U	45.8 U	45.8 U	45.8 U	22.9 U	22.9 U	229 U	2290 U	**358**	22.9 U	**149**	**24.1**	**48.5**	22.9 U
South Area	SA-E16-X-WW15(0-2.0) DUP	0-2	09-Mar-2010	46.3 U	46.3 U	46.3 U	23.2 U	46.3 U	23.2 U	46.3 U	46.3 U	46.3 U	46.3 U	46.3 U	23.2 U	23.2 U	232 U	2320 U	**34.8**	23.2 U	**139**	23.2 U	23.2 U	23.2 U
South Area	SA-E16-X-WW15(3.5-4.0)	3.5-4.0	28-Apr-2010	4480 U	4480 U	4480 U	2240 U	4480 U	2240 U	4480 U	4480 U	4480 U	4480 U	4480 U	2240 U	2240 U	22400 U	224000 U	2240 U	2240 U	**22,400**	2240 U	2240 U	2240 U
South Area	SA-E16-X-WW15(4.0-4.5)	4.0-4.5	28-Apr-2010	450 U	450 U	450 U	225 U	450 U	225 U	450 U	450 U	450 U	450 U	450 U	225 U	225 U	2250 U	22500 U	**194 J**	225 U	**76.4 J**	225 U	225 U	2240 U
South Area	SA-E16-X-WW15(4.5-5.0)	4.5-5.0	28-Apr-2010	18000 U	18000 U	18000 U	8990 U	18000 U	8990 U	18000 U	18000 U	18000 U	18000 U	18000 U	8990 U	8990 U	89900 U	899000 U	**61,300**	8990 U	**20,400**	8990 U	**2,300 J**	8990 U
South Area	SA-E16-X-WW15(6-7)	6.0-7.0	6/9/2010	46 U	46 U	46 U	23 U	46 U	23 U	46 U	46 U	46 U	46 U	46 U	23 U	23 U	230 U	2300 U	**20.3 J**	23 U	**25.5 J**	**14.1 J**	**12.2 J**	23 U
South Area	SA-E16-X-WW15(7-8)	7.0-8.0	6/9/2010	20.4 J	28.2 J	5.94 J	24.3 U	48.6 U	24.3 U	48.6 U	48.6 U	48.6 U	48.6 U	48.6 U	24.3 U	24.3 U	243 U	2430 U	**95.7**	24.3 U	**71.2**	**17.9 J**	**7.24 J**	24.3 U
South Area	SA-E16-X-WW15(8-9)	8.0-9.0	6/9/2010	48.5 U	48.5 U	48.5 U	24.2 U	48.5 U	24.2 U	48.5 U	48.5 U	48.5 U	48.5 U	48.5 U	24.2 U	24.2 U	242 U	2420 U	**8.01 J**	24.2 U	48.5 U	24.2 U	24.2 U	24.2 U
South Area	SA-E16-X-WW15(9-10)	9.0-10.0	6/9/2010	47.1 U	47.1 U	47.1 U	23.6 U	47.1 U	23.6 U	47.1 U	47.1 U	47.1 U	47.1 U	47.1 U	23.6 U	23.6 U	236 U	2360 U	23.6 U	23.6 U	47.1 U	23.6 U	23.6 U	23.6 U
South Area	SA-E16-X-WW20(2.5-3.0)	2.5-3.0	28-Apr-2010	49.2 U	49.2 U	49.2 U	24.6 U	49.2 U	24.6 U	49.2 U	49.2 U	49.2 U	49.2 U	49.2 U	24.6 U	24.6 U	246 U	2460 U	**21.3 J**	24.6 U	**260**	**5.69 J**	24.6 U	24.6 U
South Area	SA-E16-X-WW20(3.0-3.5)	3.0-3.5	28-Apr-2010	495 U	495 U	495 U	247 U	495 U	247 U	495 U	495 U	495 U	495 U	495 U	247 U	247 U	2470 U	24700 U	**672**	247 U	**3,980**	**398**	247 U	247 U
South Area	SA-E16-X-WW20(3.5-4.0)	3.5-4.0	28-Apr-2010	447 U	447 U	447 U	223 U	447 U	223 U	447 U	447 U	447 U	447 U	447 U	223 U	223 U	2230 U	22300 U	**637**	223 U	**2900**	**51.4 J**	223 U	223 U
South Area	SA-E16-X-WW25(2.5-3.0)	2.5-3.0	28-Apr-2010	53200 U	53200 U	53200 U	26600 U	53200 U	26600 U	53200 U	53200 U	53200 U	53200 U	53200 U	26600 U	26600 U	266000 U	2660000 U	**7,080,000**	26600 U	**435,000**	**152,000**	**331,000**	26600 U
South Area	SA-E16-X-WW25(3.0-3.5)	3.0-3.5	28-Apr-2010	22400 U	22400 U	22400 U	11200 U	22400 U	11200 U	22400 U	22400 U	22400 U	22400 U	22400 U	11200 U	11200 U	112000 U	1120000 U	**1,240,000**	11200 U	**102000**	**30400**	**51100**	11200 U
South Area	SA-E16-X-WW25(3.5-4.0)	3.5-4.0	28-Apr-2010	4450 U	4450 U	4450 U	2220 U	4450 U	2220 U	4450 U	4450 U	4450 U	4450 U	4450 U	2220 U	2220 U	22200 U	222000 U	**21,300**	2220 U	**3,470 J**	**1,250 J**	**2660**	2220 U
South Area	SA-E16-X-WW25(5-6)	5.0-6.0	6/9/2010	46.4 U	46.4 U	46.4 U	23.2 U	46.4 U	23.2 U	46.4 U	46.4 U	46.4 U	46.4 U	46.4 U	23.2 U	23.2 U	232 U	2320 U	**9.81 J**	23.2 U	**6.68 J**	**5.39 J**	23.2 U	23.2 U
South Area	SA-E16-X-WW25(6-7)	6.0-7.0	6/9/2010	46.7 U	46.7 U	46.7 U	23.4 U	46.7 U	23.4 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	23.4 U	23.4 U	234 U	2340 U	**10.4 J**	23.4 U	**7.2 J**	**6.14 J**	23.4 U	23.4 U
South Area	SA-E16-X-WW25(7-8)	7.0-8.0	6/9/2010	46.6 U	46.6 U	46.6 U	23.3 U	46.6 U	23.3 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	23.3 U	23.3 U	233 U	2330 U	**5.65 J**	23.3 U	46.6 U	**5.65 J**	23.3 U	23.3 U
South Area	SA-E16-X-WW25(8-9)	8.0-9.0	6/9/2010	46.7 U	46.7 U	46.7 U	23.4 U	46.7 U	23.4 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	23.4 U	23.4 U	234 U	2340 U	**19 J**	23.4 U	8.49 J	23.4 U	23.4 U	23.4 U
South Area	SA-E16-X-WW30 (5-6)	5.0-6.0	6/9/2010	4.6 U	4.6 U	4.6 U	2.3 U	4.6 U	2.3 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	2.3 U	2.3 U	23 U	230 U	**8.95**	2.3 U	**3.59 J**	**9.35**	**1.19 J**	2.3 U
South Area	SA-E16-X-WW30 (6-7)	6.0-7.0	6/9/2010	4.62 U	4.62 U	4.62 U	2.31 U	4.62 U	2.31 U	4.62 U	4.62 U	4.62 U	4.62 U	4.62 U	2.31 U	2.31 U	23.1 U	231 U	**21**	2.31 U	**3.98 J**	**9.17**	**2.14 J**	2.31 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

		Proposed Site-Specific RRS Values (ug/kg):		***11,000***	***7,700***	***11,000***	***660***												***660***		***3,100***	***100***	***12,000***	
South Area	SA-E16-X-WW30 (7-8)	7.0-8.0	6/9/2010	46.1 U	46.1 U	46.1 U	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	**6.91 J**	23 U	46.1 U	**12.8 J**	23 U	23 U
South Area	SA-E16-X-WW30 (8-9)	8.0-9.0	6/9/2010	46.4 U	46.4 U	46.4 U	23.2 U	46.4 U	23.2 U	46.4 U	46.4 U	46.4 U	46.4 U	46.4 U	46.4 U	23.2 U	23.2 U	232 U	2320 U	**56.3**	23.2 U	**21 J**	**31.5**	**13.3 J**	23.2 U
South Area	SA-E16-X-WW30(2.5-3.0)	2.5-3.0	28-Apr-2010	279000 U	279000 U	279000 U	139000 U	279000 U	139000 U	279000 U	279000 U	279000 U	279000 U	279000 U	279000 U	139000 U	139000 U	1390000 U	13900000 U	**10,500,000**	139000 U	**1,430,000**	**473,000**	**1,360,000**	139000 U
South Area	SA-E16-X-WW30(3.0-3.5)	3.0-3.5	28-Apr-2010	4520 U	4520 U	4520 U	2260 U	4520 U	2260 U	4520 U	4520 U	4520 U	4520 U	4520 U	4520 U	2260 U	2260 U	22600 U	226000 U	**38,600**	2260 U	**7,940**	**3,630**	**7260**	2260 U
South Area	SA-E16-X-WW30(3.5-4.0)	3.5-4.0	28-Apr-2010	48.3 U	48.3 U	48.3 U	24.1 U	48.3 U	24.1 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	24.1 U	24.1 U	241 U	2410 U	**2,660**	24.1 U	**163**	**95.4**	**241**	24.1 U
South Area	SA-E16-X-WW35 (2-4)	2.0-4.0	6/9/2010	50200 U	50200 U	50200 U	25100 U	50200 U	25100 U	50200 U	50200 U	50200 U	50200 U	50200 U	50200 U	25100 U	25100 U	251000 U	2510000 U	**7840000**	25100 U	**1820000**	**326000**	**347000**	25100 U
South Area	SA-E16-X-WW35 (4-6)	4.0-6.0	6/9/2010	45.2 U	45.2 U	45.2 U	22.6 U	45.2 U	22.6 U	45.2 U	45.2 U	45.2 U	45.2 U	45.2 U	45.2 U	22.6 U	22.6 U	226 U	2260 U	**164**	22.6 U	**129**	**32.2**	**29.1**	22.6 U
South Area	SA-E16-X-WW35 (6-8)	6.0-8.0	6/9/2010	49.5 U	49.5 U	49.5 U	24.7 U	49.5 U	24.7 U	49.5 U	49.5 U	49.5 U	49.5 U	49.5 U	49.5 U	24.7 U	24.7 U	247 U	2470 U	**14.3 J**	24.7 U	49.5 U	24.7 U	24.7 U	24.7 U
South Area	SA-E16-X-WW35 (8-10)	8.0-10.0	6/9/2010	47 U	47 U	47 U	23.5 U	47 U	23.5 U	47 U	47 U	47 U	47 U	47 U	47 U	23.5 U	23.5 U	235 U	2350 U	**34.1**	23.5 U	**23.3 J**	23.5 U	23.5 U	23.5 U
South Area	SA-E16-X-WW40 (2-4)	2.0-4.0	6/9/2010	45.2 U	45.2 U	45.2 U	22.6 U	45.2 U	22.6 U	45.2 U	45.2 U	45.2 U	45.2 U	45.2 U	45.2 U	22.6 U	22.6 U	226 U	2260 U	**12.3 J**	22.6 U	**12.4 J**	22.6 U	22.6 U	22.6 U
South Area	SA-E16-X-WW40 (4-6)	4.0-6.0	6/9/2010	44.4 U	44.4 U	44.4 U	22.2 U	44.4 U	22.2 U	44.4 U	44.4 U	44.4 U	44.4 U	44.4 U	44.4 U	22.2 U	22.2 U	222 U	2220 U	**8.07 J**	22.2 U	**6.65 J**	22.2 U	22.2 U	22.2 U
South Area	SA-E16-X-WW40 (6-8)	6.0-8.0	6/9/2010	48 U	48 U	48 U	24 U	48 U	24 U	48 U	48 U	48 U	48 U	48 U	48 U	24 U	24 U	240 U	2400 U	24 U	24 U	48 U	24 U	24 U	24 U
South Area	SA-E16-X-WW40 (8-10)	8.0-10.0	6/9/2010	46.6 U	46.6 U	46.6 U	23.3 U	46.6 U	23.3 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	46.6 U	23.3 U	23.3 U	233 U	2330 U	23.3 U	23.3 U	46.6 U	23.3 U	23.3 U	23.3 U
South Area	SA-E16-X-WW45 (2-4)	2.0-4.0	6/10/2010	47.4 U	47.4 U	47.4 U	23.7 U	47.4 U	23.7 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	23.7 U	23.7 U	237 U	2370 U	23.7 U	23.7 U	47.4 U	23.7 U	23.7 U	23.7 U
South Area	SA-E16-X-WW45 (4-6)	4.0-6.0	6/10/2010	47.5 U	47.5 U	47.5 U	23.7 U	47.5 U	23.7 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.7 U	23.7 U	237 U	2370 U	23.7 U	23.7 U	47.5 U	23.7 U	23.7 U	23.7 U
South Area	SA-E16-X-WW45 (6-8)	6.0-8.0	6/10/2010	44.8 U	44.8 U	44.8 U	22.4 U	44.8 U	22.4 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U	22.4 U	22.4 U	224 U	2240 U	22.4 U	22.4 U	44.8 U	22.4 U	22.4 U	22.4 U
South Area	SA-E16-X-WW45 (8-10)	8.0-10.0	6/10/2010	44.2 U	44.2 U	44.2 U	22.1 U	44.2 U	22.1 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	22.1 U	22.1 U	221 U	2210 U	**5.6 J**	22.1 U	44.2 U	22.1 U	22.1 U	22.1 U
South Area	SA-E16-X-WW5 (6-7)	6.0-7.0	6/9/2010	49.1 U	49.1 U	49.1 U	24.6 U	49.1 U	24.6 U	49.1 U	49.1 U	49.1 U	49.1 U	49.1 U	49.1 U	24.6 U	24.6 U	246 U	2460 U	**13.8 J**	24.6 U	**14.8 J**	24.6 U	24.6 U	24.6 U
South Area	SA-E16-X-WW5 (7-8)	7.0-8.0	6/9/2010	48.8 U	48.8 U	48.8 U	24.4 U	48.8 U	24.4 U	48.8 U	48.8 U	48.8 U	48.8 U	48.8 U	48.8 U	24.4 U	24.4 U	244 U	2440 U	**12 J**	24.4 U	**6.3 J**	24.4 U	24.4 U	24.4 U
South Area	SA-E16-X-WW5 (8-9)	8.0-9.0	6/9/2010	48.3 U	48.3 U	48.3 U	24.2 U	48.3 U	24.2 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	24.2 U	24.2 U	242 U	2420 U	**6.76 J**	24.2 U	48.3 U	**20.9 J**	24.2 U	24.2 U
South Area	SA-E16-X-WW5 (9-10)	9.0-10.0	6/9/2010	47.5 U	47.5 U	47.5 U	23.8 U	47.5 U	23.8 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.8 U	23.8 U	238 U	2380 U	**6.65 J**	23.8 U	47.5 U	23.8 U	23.8 U	23.8 U
South Area	SA-E16-X-WW5(0-2)	0-2	02-Mar-2010	45.6 U	45.6 U	45.6 U	22.8 U	45.6 U	22.8 U	45.6 U	45.6 U	45.6 U	45.6 U	45.6 U	45.6 U	22.8 U	22.8 U	228 U	2280 U	**11.1 J**	22.8 U	**7.77 J**	22.8 U	22.8 U	22.8 U
South Area	SA-E16-X-WW5(3.5-4.0)	3.5-4.0	28-Apr-2010	901 U	901 U	901 U	450 U	901 U	450 U	901 U	901 U	901 U	901 U	901 U	901 U	450 U	450 U	4500 U	45000 U	**3,160**	450 U	**21,500**	**407 J**	**374 J**	450 U
South Area	SA-E16-X-WW5(4.0-4.5)	4.0-4.5	28-Apr-2010	878 U	878 U	**826 J**	439 U	878 U	439 U	878 U	878 U	878 U	878 U	878 U	878 U	439 U	439 U	4390 U	43900 U	**892**	439 U	**4,950**	**297 J**	**92.5 J**	439 U
South Area	SA-E16-X-WW5(4.5-5.0)	4.5-5.0	28-Apr-2010	233 U	233 U	233 U	117 U	233 U	117 U	233 U	233 U	233 U	233 U	233 U	233 U	117 U	117 U	1170 U	11700 U	**203**	117 U	**3180**	**153**	**30.4 J**	117 U
South Area	SA-E17-A(2.5-3.0)-F	2.5-3	03-Mar-2010	463 U	463 U	463 U	231 U	463 U	231 U	463 U	463 U	463 U	463 U	463 U	463 U	231 U	231 U	2310 U	23100 U	**199 J**	231 U	**2250**	**65.4 J**	231 U	231 U
South Area	SA-E17-A(3.0-3.5)-F	3-3.5	03-Mar-2010	91.1 U	91.1 U	91.1 U	45.6 U	91.1 U	45.6 U	91.1 U	91.1 U	91.1 U	91.1 U	91.1 U	91.1 U	45.6 U	45.6 U	456 U	4560 U	**51.6**	45.6 U	**436**	**36.7 J**	45.6 U	45.6 U
South Area	SA-E17-A-F	2	27-Jan-2010	918 U	918 U	918 U	459 U	918 U	459 U	918 U	918 U	918 U	918 U	918 U	918 U	459 U	459 U	4590 U	45900 U	**86.8 J**	459 U	**3970**	459 U	459 U	459 U
South Area	SA-E17-A-WW	0-2	27-Jan-2010	465 U	465 U	**156 J**	233 U	465 U	233 U	465 U	465 U	465 U	465 U	465 U	465 U	233 U	233 U	2330 U	23300 U	**78.7 J**	233 U	**2350**	233 U	233 U	233 U
South Area	SA-E17-B(2.5-3.0)-F	2.5-3	03-Mar-2010	4710 U	4710 U	4710 U	2360 U	4710 U	2360 U	4710 U	4710 U	4710 U	4710 U	4710 U	4710 U	2360 U	2360 U	23600 U	236000 U	**27400**	2360 U	**11800**	**1770 J**	**2520**	2360 U
South Area	SA-E17-B(3.0-3.5)-F	3-3.5	03-Mar-2010	1810 U	1810 U	1810 U	905 U	1810 U	905 U	1810 U	1810 U	1810 U	1810 U	1810 U	1810 U	905 U	905 U	9050 U	90500 U	**9750**	905 U	**4240**	**585 J**	**1010**	905 U
South Area	SA-E17-B-F	2	27-Jan-2010	**589 J**	2300 U	**593 J**	1150 U	2300 U	1150 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	1150 U	1150 U	11500 U	115000 U	**15100**	1150 U	**9650**	**2520**	**4650**	1150 U
South Area	SA-E17-B-F (3.5-4.0)	3.5-4.0	29-Apr-2010	446 U	446 U	446 U	223 U	446 U	223 U	446 U	446 U	446 U	446 U	446 U	446 U	223 U	223 U	2230 U	22300 U	**402**	223 U	**2,120**	**85.1 J**	**134 J**	223 U
South Area	SA-E17-B-F (4.0-4.5)	4.0-4.5	29-Apr-2010	174 U	174 U	174 U	86.8 U	174 U	86.8 U	174 U	174 U	174 U	174 U	174 U	174 U	86.8 U	86.8 U	868 U	8680 U	**1,040**	86.8 U	**482**	**45.2 J**	**81.6 J**	86.8 U
South Area	SA-E17-B-F (4.5-5.0)	4.5-5.0	29-Apr-2010	43.2 U	43.2 U	**7.14 J**	21.6 U	43.2 U	21.6 U	43.2 U	43.2 U	43.2 U	43.2 U	43.2 U	43.2 U	21.6 U	21.6 U	216 U	2160 U	**245**	21.6 U	**450**	**84**	**69.7**	21.6 U
South Area	SA-E17-B-NW	0-2	27-Jan-2010	462 U	462 U	462 U	231 U	462 U	231 U	462 U	462 U	462 U	462 U	462 U	462 U	231 U	231 U	2310 U	23100 U	**162 J**	231 U	**3700**	231 U	231 U	231 U
South Area	SA-E17-B-WW	0-2	27-Jan-2010	461 U	461 U	461 U	231 U	461 U	231 U	461 U	461 U	461 U	461 U	461 U	461 U	231 U	231 U	2310 U	23100 U	**848**	231 U	**2440**	**63.9 J**	**55.7 J**	231 U
South Area	SA-E17-B-WW10-(0-2)	0-2	03-Mar-2010	1840 U	1840 U	1840 U	922 U	1840 U	922 U	1840 U	1840 U	1840 U	1840 U	1840 U	1840 U	922 U	922 U	9220 U	92200 U	**10100**	922 U	**4140**	922 U	**262 J**	922 U
South Area	SA-E17-B-WW10-(2.5-3.0)	2.5-3	09-Mar-2010	451 U	451 U	451 U	225 U	451 U	225 U	451 U	451 U	451 U	451 U	451 U	451 U	225 U	225 U	2250 U	22500 U	**2360**	225 U	**1140**	225 U	**59.3 J**	225 U
South Area	SA-E17-B-WW10-(2.5-3.0) DUP	2.5-3	09-Mar-2010	906 U	906 U	906 U	453 U	906 U	453 U	906 U	906 U	906 U	906 U	906 U	906 U	453 U	453 U	4530 U	45300 U	**4420**	453 U	**2720**	453 U	**89.7 J**	453 U
South Area	SA-E17-B-WW10-(3.0-3.5)	3-3.5	09-Mar-2010	**151 J**	**57.1 J**	**827**	231 U	462 U	231 U	462 U	462 U	462 U	462 U	462 U	462 U	231 U	231 U	2310 U	23100 U	**1420**	231 U	**3730**	**734**	**320**	231 U
South Area	SA-E17-B-WW10(4.0-4.5)	4.0-4.5	28-Apr-2010	4720 U	4720 U	4720 U	2360 U	4720 U	2360 U	4720 U	4720 U	4720 U	4720 U	4720 U	4720 U	2360 U	2360 U	23600 U	236000 U	**48,500 B**	2360 U	**14,000**	2360 U	**1,320 J**	2360 U
South Area	SA-E17-B-WW10(4.5-5.0)	4.5-5.0	28-Apr-2010	889 U	889 U	889 U	444 U	889 U	444 U	889 U	889 U	889 U	889 U	889 U	889 U	444 U	444 U	4440 U	44400 U	**9,150 B**	444 U	**3,610**	**972**	**497**	444 U
South Area	SA-E17-B-WW10(5.0-6.0)	5.0-6.0	28-Apr-2010	100 U	100 U	100 U	50.2 U	100 U	50.2 U	100 U	100 U	100 U	100 U	100 U	100 U	50.2 U	50.2 U	502 U	5020 U	**1,110 B**	50.2 U	**692**	**403**	**55.4**	50.2 U
South Area	SA-E17-B-WW10(6-7)	6.0-7.0	6/7/2010	448 U	448 U	448 U	224 U	448 U	224 U	448 U	448 U	448 U	448 U	448 U	448 U	224 U	224 U	2240 U	22400 U	**1100**	224 U	**1480**	**246**	224 U	224 U
South Area	SA-E17-B-WW10(7-8)	7.0-8.0	6/7/2010	467 U	467 U	467 U	234 U	467 U	234 U	467 U	467 U	467 U	467 U	467 U	467 U	234 U	234 U	2340 U	23400 U	**2120**	234 U	**4740**	**562**	234 U	234 U
South Area	SA-E17-B-WW10(8-9)	8.0-9.0	6/7/2010	86.6 U	86.6 U	86.6 U	43.3 U	86.6 U	43.3 U	86.6 U	86.6 U	86.6 U	86.6 U	86.6 U	86.6 U	43.3 U	43.3 U	433 U	4330 U	**426**	43.3 U	**435**	**95.3**	**15.2 J**	43.3 U
South Area	SA-E17-B-WW10(9-10)	9.0-10.0	6/7/2010	44.6 U	44.6 U	44.6 U	22.3 U	44.6 U	22.3 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	22.3 U	22.3 U	223 U	2230 U	22.3 U	22.3 U	44.6 U	22.3 U	22.3 U	22.3 U
South Area	SA-E17-B-WW15-(0-2.0)	0-2	03-Mar-2010	923 U	923 U	923 U	462 U	923 U	462 U	923 U	923 U	923 U	923 U	923 U	923 U	462 U	462 U	4620 U	46200 U	**1030**	462 U	**5330**	462 U	462 U	462 U
South Area	SA-E17-B-WW15(4.0-4.5)	4.0-4.5	28-Apr-2010	22200 U	22200 U	22200 U	11100 U	22200 U	11100 U	22200 U	22200 U	22200 U	22200 U	22200 U	22200 U	11100 U	11100 U	111000 U	1110000 U	**112,000 B**	11100 U	**37,500**	**4,760 J**	**5,200 J**	11100 U
South Area	SA-E17-B-WW15(4.5-5.0)	4.5-5.0	28-Apr-2010	2260 U	2260 U	2260 U	1130 U	2260 U	1130 U	2260 U	2260 U	2260 U	2260 U	2260 U	2260 U	1130 U	1130 U	11300 U	113000 U	**71,600**	1130 U	**18,000**	**2,760**	**2800**	1130 U
South Area	SA-E17-B-WW15(5.0-6.0)	5.0-6.0	28-Apr-2010	442 U	442 U	442 U	221 U	442 U	221 U	442 U	442 U	442 U	442 U	442 U	442 U	221 U	221 U	2210 U	22100 U	**5850**	221 U	**1820**	**821**	**782**	221 U
South Area	SA-E17-B-WW15(6-7)	6.0-7.0	6/7/2010	4600 U	4600 U	4600 U	2300 U	4600 U	2300 U	4600 U	4600 U	4600 U	4600 U	4600 U	4600 U	2300 U	2300 U	23000 U	230000 U	**230000**	2300 U	**29900**	**978 J**	**2850**	2300 U
South Area	SA-E17-B-WW15(7-8)	7.0-8.0	6/7/2010	4420 U	4420 U	4420 U	2210 U	4420 U	2210 U	4420 U	4420 U	4420 U	4420 U	4420 U	4420 U	2210 U	2210 U	22100 U	221000 U	**412000 J**	2210 U	**80900**	**4830**	**12400**	2210 U
South Area	SA-E17-B-WW15(8-9)	8.0-9.0	6/7/2010	217 U	217 U	217 U	109 U	217 U	109 U	217 U	217 U	217 U	217 U	217 U	217 U	109 U	109 U	1090 U	10900 U	**1360**	109 U	**280**	**35.7 J**	**42.8 J**	109 U
South Area	SA-E17-B-WW15(9-10)	9.0-10.0	6/7/2010	51.9 U	51.9 U	51.9 U	26 U	51.9 U	26 U	51.9 U	51.9 U	51.9 U	51.9 U	51.9 U	51.9 U	26 U	26 U	260 U	2600 U	26 U	26 U	51.9 U	26 U	26 U	26 U
South Area	SA-E17-B-WW20(2.5-3.0)	2.5-3.0	28-Apr-2010	47 U	47 U	47 U	23.5 U	47 U	23.5 U	47 U	47 U	47 U	47 U	47 U	47 U	23.5 U	23.5 U	235 U	2350 U	**14.1 J**	23.5 U	**114**	**23.5 U**	**23.5 U**	23.5 U
South Area	SA-E17-B-WW20(3.0-3.5)	3.0-3.5	28-Apr-2010	46.8 U	46.8 U	46.8 U	23.4 U	46.8 U	23.4 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	23.4 U	23.4 U	234 U	2340 U	**32.1**	23.4 U	**250**	**13.1 J**	**23.4 U**	23.4 U
South Area	SA-E17-B-WW20(3.5-4.0)	3.5-4.0	28-Apr-2010	465 U	465 U	465 U	232 U	465 U	232 U	465 U	465 U	465 U	465 U	465 U	465 U	232 U	232 U	2320 U	23200 U	**1,150**	232 U	**2100**	**268**	**232 U**	232 U
South Area	SA-E17-B-WW20(5-6)	5.0-6.0	6/8/2010	220 U	220 U	220 U	110 U	220 U	110 U	220 U	220 U	220 U	220 U	220 U	220 U	110 U	110 U	1100 U	11000 U	**961**	110 U	**473**	**180**	**151**	110 U
South Area	SA-E17-B-WW20(6-7)	6.0-7.0	6/8/2010	468 U	468 U	468 U	234 U	468 U	234 U	468 U	468 U	468 U	468 U	468 U	468 U	234 U	234 U	2340 U	23400 U	**26200**	234 U	**5360**	**536**	**757**	234 U
South Area	SA-E17-B-WW20(7-8)	7.0-8.0	6/8/2010	45.4 U	45.4 U	45.4 U	22.7 U	45.4 U	22.7 U	45.4 U	45.4 U	45.4 U	45.4 U	45.4 U	45.4 U	22.7 U	22.7 U	227 U	2270 U	**16.8 J**	22.7 U	45.4 U	22.7 U	22.7 U	22.7 U
South Area	SA-E17-B-WW20(8-9)	8.0-9.0	6/8/2010	46.8 U	46.8 U	46.8 U	23.4 U	46.8 U	23.4 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	23.4 U	23.4 U	234 U	2340 U	23.4 U	23.4 U	46.8 U	23.4 U	23.4 U	23.4 U
South Area	SA-E17-B-WW25(2.5-3.0)	2.5-3.0	28-Apr-2010	46.1 U	46.1 U	46.1 U	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	**5.3 J**	23 U	**34.6 J**	**23 U**	**23 U**	23 U
South Area	SA-E17-B-WW25(3.0-3.5)	3.0-3.5	28-Apr-2010	459 U	459 U	459 U	229 U	459 U	229 U	459 U	459 U	459 U	459 U	459 U	459 U	229 U	229 U	2290 U	22900 U	**11,700**	229 U	**2,430**	**64.3 J**	**157 J**	229 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

			Proposed Site-Specific RRS Values (ug/kg):	*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*	
South Area	SA-E17-B-WW25(3.5-4.0)	3.5-4.0	28-Apr-2010	**16.1 J**	45.9 U	**9.39 J**	23 U	45.9 U	23 U	45.9 U	45.9 U	45.9 U	45.9 U	45.9 U	45.9 U	23 U	23 U	230 U	2300 U	**4,200**	23 U	**4,200**	**350**	**167**	23 U
South Area	SA-E17-B-WW25(5-6)	5.0-6.0	6/8/2010	48.8 U	48.8 U	48.8 U	24.4 U	48.8 U	24.4 U	48.8 U	48.8 U	48.8 U	48.8 U	48.8 U	48.8 U	24.4 U	24.4 U	244 U	2440 U	24.4 U	24.4 U	48.8 U	24.4 U	24.4 U	24.4 U
South Area	SA-E17-B-WW25(6-7)	6.0-7.0	6/8/2010	231 U	231 U	231 U	116 U	231 U	116 U	231 U	231 U	231 U	231 U	231 U	231 U	116 U	116 U	1160 U	11600 U	**9280**	116 U	**1530**	**564**	**1150**	116 U
South Area	SA-E17-B-WW25(7-8)	7.0-8.0	6/8/2010	45.1 U	45.1 U	45.1 U	22.5 U	45.1 U	22.5 U	45.1 U	45.1 U	45.1 U	45.1 U	45.1 U	45.1 U	22.5 U	22.5 U	225 U	2250 U	**8.83 J**	22.5 U	45.1 U	22.5 U	22.5 U	22.5 U
South Area	SA-E17-B-WW25(8-9)	8.0-9.0	6/8/2010	47 U	47 U	47 U	23.5 U	47 U	23.5 U	47 U	47 U	47 U	47 U	47 U	47 U	23.5 U	23.5 U	235 U	2350 U	23.5 U	23.5 U	**11.5 J**	23.5 U	23.5 U	23.5 U
South Area	SA-E17-B-WW30(2.5-3.0)	2.5-3.0	28-Apr-2010	227 U	227 U	227 U	114 U	227 U	114 U	227 U	227 U	227 U	227 U	227 U	227 U	114 U	114 U	1140 U	11400 U	**1,390**	114 U	**1,290**	**180**	**83.3 J**	114 U
South Area	SA-E17-B-WW30(3.0-3.5)	3.0-3.5	28-Apr-2010	919 U	919 U	919 U	460 U	919 U	460 U	919 U	919 U	919 U	919 U	919 U	919 U	460 U	460 U	4600 U	46000 U	**7,580**	460 U	**3,680**	**2,410**	**3,220**	460 U
South Area	SA-E17-B-WW30(3.5-4.0)	3.5-4.0	28-Apr-2010	23200 U	23200 U	23200 U	11600 U	23200 U	11600 U	23200 U	23200 U	23200 U	23200 U	23200 U	23200 U	11600 U	11600 U	116000 U	1160000 U	**585,000**	11600 U	**70,300**	**149,000**	**269,000**	11600 U
South Area	SA-E17-B-WW30(5-6)	5.0-6.0	6/8/2010	92.6 U	92.6 U	92.6 U	46.3 U	92.6 U	46.3 U	92.6 U	92.6 U	92.6 U	92.6 U	92.6 U	92.6 U	46.3 U	46.3 U	463 U	4630 U	**462**	46.3 U	**503**	**114**	**33.1 J**	46.3 U
South Area	SA-E17-B-WW30(6-7)	6.0-7.0	6/8/2010	450000 U	450000 U	450000 U	225000 U	450000 U	225000 U	450000 U	450000 U	450000 U	450000 U	450000 U	450000 U	225000 U	225000 U	2250000 U	22500000 U	**4780000**	225000 U	**661000**	**69500 J**	**945000**	225000 U
South Area	SA-E17-B-WW30(7-8)	7.0-8.0	6/8/2010	44.7 U	44.7 U	44.7 U	22.4 U	44.7 U	22.4 U	44.7 U	44.7 U	44.7 U	44.7 U	44.7 U	44.7 U	22.4 U	22.4 U	224 U	2240 U	**56.3**	22.4 U	44.7 U	22.4 U	22.4 U	22.4 U
South Area	SA-E17-B-WW30(8-9)	8.0-9.0	6/8/2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	**5.27 J**	24.2 U	**14.3 J**	24.2 U	24.2 U	24.2 U
South Area	SA-E17-B-WW30(9-10)	9.0-10.0	6/8/2010	49 U	49 U	49 U	24.5 U	49 U	24.5 U	49 U	49 U	49 U	49 U	49 U	49 U	24.5 U	24.5 U	245 U	2450 U	24.5 U	24.5 U	**48.7 J**	24.5 U	24.5 U	24.5 U
South Area	SA-E17-B-WW35(2-4)	2.0-4.0	6/8/2010	44.1 U	44.1 U	44.1 U	22 U	44.1 U	22 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	22 U	22 U	220 U	2200 U	**25.9**	22 U	**80**	22 U	22 U	22 U
South Area	SA-E17-B-WW35(4-6)	4.0-6.0	6/8/2010	42.9 U	42.9 U	42.9 U	21.5 U	42.9 U	21.5 U	42.9 U	42.9 U	42.9 U	42.9 U	42.9 U	42.9 U	21.5 U	21.5 U	215 U	2150 U	**9.89 J**	21.5 U	42.9 U	21.5 U	21.5 U	21.5 U
South Area	SA-E17-B-WW35(6-8)	6.0-8.0	6/8/2010	49.3 U	49.3 U	49.3 U	24.6 U	49.3 U	24.6 U	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U	24.6 U	24.6 U	246 U	2460 U	**5.6 J**	24.6 U	**81.1**	**8.21 J**	24.6 U	24.6 U
South Area	SA-E17-B-WW35(8-10)	8.0-10.0	6/8/2010	51.4 U	51.4 U	51.4 U	25.7 U	51.4 U	25.7 U	51.4 U	51.4 U	51.4 U	51.4 U	51.4 U	51.4 U	25.7 U	25.7 U	257 U	2570 U	**49.7**	25.7 U	**169**	**28.8**	**13.1 J**	25.7 U
South Area	SA-E17-B-WW40(2-4)	2.0-4.0	6/8/2010	41 U	41 U	41 U	20.5 U	41 U	20.5 U	41 U	41 U	41 U	41 U	41 U	41 U	20.5 U	20.5 U	205 U	2050 U	**225**	20.5 U	**49**	**46.8**	20.5 U	2.31 U
South Area	SA-E17-B-WW40(4-6)	4.0-6.0	6/8/2010	43.6 U	43.6 U	43.6 U	21.8 U	43.6 U	21.8 U	43.6 U	43.6 U	43.6 U	43.6 U	43.6 U	43.6 U	21.8 U	21.8 U	218 U	2180 U	**57.1**	21.8 U	**15.6 J**	**46.3**	**46.3**	21.8 U
South Area	SA-E17-B-WW40(6-8)	6.0-8.0	6/8/2010	4.58 U	4.58 U	4.58 U	2.29 U	4.58 U	2.29 U	4.58 U	4.58 U	4.58 U	4.58 U	4.58 U	4.58 U	2.29 U	2.29 U	22.9 U	229 U	**5.27**	2.29 U	**4.02 J**	**4.13**	**4.3**	2.29 U
South Area	SA-E17-B-WW40(8-10)	8.0-10.0	6/8/2010	4.57 U	4.57 U	4.57 U	2.29 U	4.57 U	2.29 U	4.57 U	4.57 U	4.57 U	4.57 U	4.57 U	4.57 U	2.29 U	2.29 U	22.9 U	229 U	**7.23**	2.29 U	**8.6**	**3.9**	2.29 U	2.29 U
South Area	SA-E17-B-WW45(2-4)	2.0-4.0	6/8/2010	4.34 U	4.34 U	4.34 U	2.17 U	4.34 U	2.17 U	4.34 U	4.34 U	4.34 U	4.34 U	4.34 U	4.34 U	2.17 U	2.17 U	21.7 U	217 U	**164**	2.17 U	**22.9**	**15.3**	**43.7**	2.17 U
South Area	SA-E17-B-WW45(4-6)	4.0-6.0	6/8/2010	4650 U	4650 U	4650 U	2330 U	4650 U	2330 U	4650 U	4650 U	4650 U	4650 U	4650 U	4650 U	2330 U	2330 U	23300 U	233000 U	**29700**	2330 U	**13900**	**26200**	**30100**	2330 U
South Area	SA-E17-B-WW45(6-8)	6.0-8.0	6/8/2010	4.81 U	4.81 U	4.81 U	2.4 U	4.81 U	2.4 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	2.4 U	2.4 U	24 U	240 U	**8.74**	2.4 U	**52.5**	**15.8**	**9.72**	2.4 U
South Area	SA-E17-B-WW45(8-10)	8.0-10.0	6/8/2010	4.77 U	4.77 U	4.77 U	2.38 U	4.77 U	2.38 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	2.38 U	2.38 U	23.8 U	238 U	**1.42 J**	2.38 U	**2.62 J**	**1.97 J**	**1.18 J**	2.38 U
South Area	SA-E17-B-WW5-(0-2)	0-2	03-Mar-2010	225 U	225 U	225 U	113 U	225 U	113 U	225 U	225 U	225 U	225 U	225 U	225 U	113 U	113 U	1130 U	11300 U	**1490**	113 U	**843**	113 U	**38.3 J**	113 U
South Area	SA-E17-B-WW5(4.0-4.5)	4.0-4.5	28-Apr-2010	44.5 U	44.5 U	44.5 U	22.2 U	44.5 U	22.2 U	44.5 U	44.5 U	44.5 U	44.5 U	44.5 U	44.5 U	22.2 U	22.2 U	222 U	2220 U	**201 B**	22.2 U	**276**	22.2 U	**64**	22.2 U
South Area	SA-E17-B-WW5(4.5-5.0)	4.5-5.0	28-Apr-2010	4460 U	4460 U	4460 U	2230 U	4460 U	2230 U	4460 U	4460 U	4460 U	4460 U	4460 U	4460 U	2230 U	2230 U	22300 U	223000 U	**44,700 B**	2230 U	**13,400**	**1,900 J**	**2,840**	2230 U
South Area	SA-E17-B-WW5(5.0-6.0)	5.0-6.0	28-Apr-2010	438 U	438 U	438 U	219 U	438 U	219 U	438 U	438 U	438 U	438 U	438 U	438 U	219 U	219 U	2190 U	21900 U	**1,220 B**	219 U	**1,880**	**354**	**186 J**	219 U
South Area	SA-E17-B-WW5(6-7)	6.0-7.0	6/7/2010	862 U	862 U	862 U	431 U	862 U	431 U	862 U	862 U	862 U	862 U	862 U	862 U	431 U	431 U	4310 U	43100 U	**3740**	431 U	**6530**	**1140**	431 U	431 U
South Area	SA-E17-B-WW5(7-8)	7.0-8.0	6/7/2010	218 U	218 U	218 U	109 U	218 U	109 U	218 U	218 U	218 U	218 U	218 U	218 U	109 U	109 U	1090 U	10900 U	**793**	109 U	**492**	**196**	**145**	109 U
South Area	SA-E17-B-WW5(8-9)	8.0-9.0	6/7/2010	44.6 U	44.6 U	44.6 U	22.3 U	44.6 U	22.3 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	44.6 U	22.3 U	22.3 U	223 U	2230 U	**5.36 J**	22.3 U	**14.6 J**	22.3 U	22.3 U	22.3 U
South Area	SA-E17-B-WW5(9-10)	9.0-10.0	6/7/2010	47.3 U	47.3 U	47.3 U	23.6 U	47.3 U	23.6 U	47.3 U	47.3 U	47.3 U	47.3 U	47.3 U	47.3 U	23.6 U	23.6 U	236 U	2360 U	23.6 U	23.6 U	**20.1 J**	23.6 U	23.6 U	23.6 U
South Area	SA-E17-C-F	2	27-Jan-2010	44.8 U	44.8 U	**6.79 J**	22.4 U	44.8 U	22.4 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U	22.4 U	22.4 U	224 U	2240 U	**12.5 J**	22.4 U	**215**	22.4 U	22.4 U	22.4 U
South Area	SA-E17-D(2.5-3.0)-F	2.5-3	03-Mar-2010	454 U	454 U	454 U	227 U	454 U	227 U	454 U	454 U	454 U	454 U	454 U	454 U	227 U	227 U	2270 U	22700 U	**742**	227 U	**3120**	**161 J**	**61.2 J**	227 U
South Area	SA-E17-D(3.0-3.5)-F	3-3.5	03-Mar-2010	474 U	474 U	474 U	237 U	474 U	237 U	474 U	474 U	474 U	474 U	474 U	474 U	237 U	237 U	2370 U	23700 U	**2550**	237 U	**1780**	**67.5 J**	**62.9 J**	237 U
South Area	SA-E17-D-F	2	27-Jan-2010	**318 J**	**136 J**	**466**	227 U	454 U	227 U	454 U	454 U	454 U	454 U	454 U	454 U	227 U	227 U	2270 U	22700 U	**1090**	227 U	**56800**	**295**	**108 J**	227 U
South Area	SA-E17-D-F(3.5-4.0)	3.5-4.0	22-Apr-2010	45.8 U	45.8 U	45.8 U	22.9 U	45.8 U	22.9 U	45.8 U	45.8 U	45.8 U	45.8 U	45.8 U	45.8 U	22.9 U	22.9 U	229 U	2290 U	22.9 U	22.9 U	**31.9 J**	22.9 U	22.9 U	22.9 U
South Area	SA-E17-D-F(4.0-4.5)	4.0-4.5	22-Apr-2010	42.8 U	42.8 U	42.8 U	21.4 U	42.8 U	21.4 U	42.8 U	42.8 U	42.8 U	42.8 U	42.8 U	42.8 U	21.4 U	21.4 U	214 U	2140 U	21.4 U	21.4 U	**35.9 J**	21.4 U	21.4 U	21.4 U
South Area	SA-E17-D-F(4.5-5.0)	4.5-5.0	29-Apr-2010	46.2 U	46.2 U	46.2 U	23.1 U	46.2 U	23.1 U	46.2 U	46.2 U	46.2 U	46.2 U	46.2 U	46.2 U	23.1 U	23.1 U	231 U	2310 U	23.1 U	23.1 U	**31.7 J**	23.1 U	23.1 U	23.1 U
South Area	SA-E17-E-F (4-5)	4-5	28-Jan-2010	44.3 U	44.3 U	44.3 U	22.1 U	44.3 U	22.1 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.1 U	22.1 U	221 U	2210 U	**356**	22.1 U	**3560**	**62.2**	**86.7**	22.1 U
South Area	SA-E17-E-F-D (4-5)	4-5	28-Jan-2010	87.9 U	87.9 U	87.9 U	44 U	87.9 U	44 U	87.9 U	87.9 U	87.9 U	87.9 U	87.9 U	87.9 U	44 U	44 U	440 U	4400 U	**235**	44 U	**6150**	**83.8**	**24.6 J**	44 U
South Area	SA-E17-E-NW (4-5)	4-5	28-Jan-2010	44.3 U	44.3 U	44.3 U	22.2 U	44.3 U	22.2 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.2 U	22.2 U	222 U	2220 U	**300**	22.2 U	**122**	**24.5**	**31.1**	22.2 U
South Area	SA-E17-E-WW	0-2	27-Jan-2010	9080 U	9080 U	9080 U	4540 U	9080 U	4540 U	9080 U	9080 U	9080 U	9080 U	9080 U	9080 U	4540 U	4540 U	45400 U	454000 U	**171000**	4540 U	**57100**	4540 U	**3170 J**	4540 U
South Area	SA-E17-E-WW (4-5)	4-5	28-Jan-2010	182 U	182 U	182 U	91 U	182 U	91 U	182 U	182 U	182 U	182 U	182 U	182 U	91 U	91 U	910 U	9100 U	**816**	91 U	**529**	**65.4 J**	**51.5 J**	91 U
South Area	SA-E17-E-WW10 (2.5-3.0)	2.5-3	09-Mar-2010	938 U	938 U	**1780**	469 U	938 U	469 U	938 U	938 U	938 U	938 U	938 U	938 U	469 U	469 U	4690 U	46900 U	**7130**	469 U	**3570**	**238 J**	**280 J**	469 U
South Area	SA-E17-E-WW10 (3.0-3.5)	3-3.5	09-Mar-2010	**1560**	**204 J**	**2680**	237 U	474 U	237 U	474 U	474 U	474 U	474 U	474 U	474 U	237 U	237 U	2370 U	23700 U	**2980**	237 U	**3250**	**551**	**222 J**	237 U
South Area	SA-E17-E-WW10 (4.0-4.5)	4.0-4.5	28-Apr-2010	22000 U	22000 U	22000 U	11000 U	22000 U	11000 U	22000 U	22000 U	22000 U	22000 U	22000 U	22000 U	11000 U	11000 U	110000 U	1100000 U	**178,000**	11000 U	**38,500**	**5,900 J**	**17,800**	11000 U
South Area	SA-E17-E-WW10 (4.5-5.0)	4.5-5.0	28-Apr-2010	22400 U	22400 U	22400 U	11200 U	22400 U	11200 U	22400 U	22400 U	22400 U	22400 U	22400 U	22400 U	11200 U	11200 U	112000 U	1120000 U	**638,000**	11200 U	**76,500**	**28,000**	**67,900**	11200 U
South Area	SA-E17-E-WW10 (5.0-6.0)	5.0-6.0	28-Apr-2010	227 U	227 U	227 U	113 U	227 U	113 U	227 U	227 U	227 U	227 U	227 U	227 U	113 U	113 U	1130 U	11300 U	1,040	113 U	**992**	277	**61.5 J**	113 U
South Area	SA-E17-E-WW10 (6-7)	6.0-7.0	6/7/2010	2380 U	2380 U	2380 U	1190 U	2380 U	1190 U	2380 U	2380 U	2380 U	2380 U	2380 U	2380 U	1190 U	1190 U	11900 U	119000 U	**12200**	1190 U	**7210**	**703 J**	**710 J**	1190 U
South Area	SA-E17-E-WW10 (7-8)	7.0-8.0	6/7/2010	241 U	241 U	241 U	121 U	241 U	121 U	241 U	241 U	241 U	241 U	241 U	241 U	121 U	121 U	1210 U	12100 U	**500**	121 U	**836**	**119 J**	**25.4 J**	121 U
South Area	SA-E17-E-WW10 (8-9)	8.0-9.0	6/7/2010	238 U	238 U	238 U	119 U	238 U	119 U	238 U	238 U	238 U	238 U	238 U	238 U	119 U	119 U	1190 U	11900 U	**42 J**	119 U	238 U	119 U	119 U	119 UE
South Area	SA-E17-E-WW10 (9-10)	9.0-10.0	6/7/2010	48.2 U	48.2 U	48.2 U	24.1 U	48.2 U	24.1 U	48.2 U	48.2 U	48.2 U	48.2 U	48.2 U	48.2 U	24.1 U	24.1 U	241 U	2410 U	24.1 U	24.1 U	48.2 U	24.1 U	24.1 U	24.1 U
South Area	SA-E17-E-WW10-(0-2)	0-2	03-Mar-2010	903 U	903 U	**215 J**	451 U	903 U	451 U	903 U	903 U	903 U	903 U	903 U	903 U	451 U	451 U	4510 U	45100 U	**6340**	451 U	**1920**	451 U	**203 J**	451 U
South Area	SA-E17-E-WW15 (10-11)	10.0-11.0	6/7/2010	45.5 U	45.5 U	45.5 U	22.8 U	45.5 U	22.8 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	45.5 U	22.8 U	22.8 U	228 U	2280 U	22.8 U	22.8 U	45.5 U	22.8 U	22.8 U	22.8 U
South Area	SA-E17-E-WW15 (4.0-4.5)	4.0-4.5	28-Apr-2010	243 J	102 J	890 U	445 U	890 U	445 U	890 U	890 U	890 U	890 U	890 U	890 U	445 U	445 U	4450 U	44500 U	**223000**	445 U	**33900**	**5600**	**13300**	445 U
South Area	SA-E17-E-WW15 (4.5-5.0)	4.5-5.0	28-Apr-2010	2260 U	2260 U	2260 U	1130 U	2260 U	1130 U	2260 U	2260 U	2260 U	2260 U	2260 U	2260 U	1130 U	1130 U	11300 U	113000 U	**14,700**	1130 U	**15,800**	**1,720**	**558 J**	1130 U
South Area	SA-E17-E-WW15 (5.0-6.0)	5.0-6.0	28-Apr-2010	23100 U	23100 U	23100 U	11500 U	23100 U	11500 U	23100 U	23100 U	23100 U	23100 U	23100 U	23100 U	11500 U	11500 U	115000 U	1150000 U	11500 U		**95,100**	**15,300**	**22,400**	11500 U
South Area	SA-E17-E-WW15 (7-8)	7.0-8.0	6/7/2010	46.1 U	46.1 U	46.1 U	23 U	46.1 U	23 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	46.1 U	23 U	23 U	230 U	2300 U	**45.7**	23 U	**117**	**9.02 J**	23 U	23 U
South Area	SA-E17-E-WW15 (8-9)	8.0-9.0	6/7/2010	50.7 U	50.7 U	50.7 U	25.3 U	50.7 U	25.3 U	50.7 U	50.7 U	50.7 U	50.7 U	50.7 U	50.7 U	25.3 U	25.3 U	253 U	2530 U	5.41 J	25.3 U	50.7 U	25.3 U	25.3 U	25.3 U
South Area	SA-E17-E-WW15 (9-10)	9.0-10.0	6/7/2010	44.1 U	44.1 U	44.1 U	22.1 U	44.1 U	22.1 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	22.1 U	22.1 U	221 U	2210 U	22.1 U	22.1 U	44.1 U	22.1 U	22.1 U	22.1 U
South Area	SA-E17-E-WW15-(0-2)	0-2	04-Mar-2010	891 U	**90.3 J**	**302 J**	445 U	891 U	445 U	891 U	891 U	891 U	891 U	891 U	891 U	445 U	445 U	4450 U	44500 U	**1150**	445 U	**6890**	**614**	445 U	445 U
South Area	SA-E17-E-WW20 (2.5-3.0)	2.5-3.0	28-Apr-2010	**690 J**	2250 U	**19,400**	1120 U	2250 U	1120 U	2250 U	2250 U	2250 U	2250 U	2250 U	2250 U	1120 U	1120 U	11200 U	112000 U	1120 U	1120 U	**797 J**	1120 U	1120 U	1120 U
South Area	SA-E17-E-WW20 (3.0-3.5)	3.0-3.5	28-Apr-2010	**93.3**	**47.1 J**	**333**	45.8 U	91.6 U	45.8 U	91.6 U	91.6 U	91.6 U	91.6 U	91.6 U	91.6 U	45.8 U	45.8 U	458 U	4580 U	**52.9**	45.8 U	**540**	**44.8 J**	**29.9 J**	45.8 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

			Proposed Site-Specific RRS Values (ug/kg):	*11,000*	*7,700*	*11,000*	*660*												*660*		*3,100*	*100*	*12,000*	
South Area	SA-E17-E-WW20 (3.5-4.0)	3.5-4.0	28-Apr-2010	2330 U	2330 U	2330 U	1160 U	2330 U	1160 U	2330 U	2330 U	2330 U	2330 U	2330 U	2330 U	1160 U	1160 U	11600 U	116000 U	**16,400**	1160 U	**4,910**	**668 J**	**466 J**	1160 U
South Area	SA-E17-E-WW20 (4-5)	4.0-5.0	6/7/2010	45100 U	45100 U	45100 U	22600 U	45100 U	22600 U	45100 U	45100 U	45100 U	45100 U	45100 U	45100 U	22600 U	22600 U	226000 U	2260000 U	**9620000**	22600 U	**1380000 J**	**69100**	**251000**	22600 U
South Area	SA-E17-E-WW20 (4-5)	4.0-5.0	6/10/2010	938 U	938 U	938 U	469 U	938 U	469 U	938 U	938 U	938 U	938 U	938 U	938 U	469 U	469 U	4690 U	46900 U	**18800**	469 U	**4520**	**2640**	**5850**	469 U
South Area	SA-E17-E-WW20 (5-6)	5.0-6.0	6/7/2010	2300 U	2300 U	2300 U	1150 U	2300 U	1150 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	1150 U	1150 U	11500 U	115000 U	**9570**	1150 U	**10400**	**2800**	1150 U	1150 U
South Area	SA-E17-E-WW20 (6-7)	6.0-7.0	6/7/2010	2300 U	2300 U	2300 U	1150 U	2300 U	1150 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	1150 U	1150 U	11500 U	115000 U	**12800**	1150 U	**4290**	**6730**	**766 J**	1150 U
South Area	SA-E17-E-WW20 (7-8)	7.0-8.0	6/7/2010	239 U	239 U	239 U	120 U	239 U	120 U	239 U	239 U	239 U	239 U	239 U	239 U	120 U	120 U	1200 U	12000 U	**819**	120 U	**265**	**723**	**119 J**	120 U
South Area	SA-E17-E-WW20(10-11)	10.0-11.0	6/8/2010	49.4 U	49.4 U	49.4 U	24.7 U	49.4 U	24.7 U	49.4 U	49.4 U	49.4 U	49.4 U	49.4 U	49.4 U	24.7 U	24.7 U	247 U	2470 U	24.7 U	24.7 U	49.4 U	24.7 U	24.7 U	24.7 U
South Area	SA-E17-E-WW20(11-12)	11.0-12.0	6/8/2010	49.4 U	49.4 U	49.4 U	24.7 U	49.4 U	24.7 U	49.4 U	49.4 U	49.4 U	49.4 U	49.4 U	49.4 U	24.7 U	24.7 U	247 U	2470 U	24.7 U	24.7 U	49.4 U	24.7 U	24.7 U	24.7 U
South Area	SA-E17-E-WW20(12-13)	12.0-13.0	6/8/2010	47.4 U	47.4 U	47.4 U	23.7 U	47.4 U	23.7 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	47.4 U	23.7 U	23.7 U	237 U	2370 U	23.7 U	23.7 U	47.4 U	23.7 U	23.7 U	23.7 U
South Area	SA-E17-E-WW20(5.0-6.0)	5.0-6.0	6/2/2010	236 U	236 U	236 U	118 U	236 U	118 U	236 U	236 U	236 U	236 U	236 U	236 U	118 U	118 U	1180 U	11800 U	**14000**	118 U	**2570**	**317**	**218**	118 U
South Area	SA-E17-E-WW20(8-9)	8.0-9.0	6/8/2010	48.3 U	48.3 U	48.3 U	24.1 U	48.3 U	24.1 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	24.1 U	24.1 U	241 U	2410 U	24.1 U	24.1 U	48.3 U	24.1 U	24.1 U	24.1 U
South Area	SA-E17-E-WW20(9-10)	9.0-10.0	6/8/2010	48 U	48 U	48 U	24 U	48 U	24 U	48 U	48 U	48 U	48 U	48 U	48 U	24 U	24 U	240 U	2400 U	24 U	24 U	48 U	24 U	24 U	24 U
South Area	SA-E17-E-WW25 (5-6)	5.0-6.0	6/7/2010	482 U	482 U	482 U	241 U	482 U	241 U	482 U	482 U	482 U	482 U	482 U	482 U	241 U	241 U	2410 U	24100 U	**1470**	241 U	**1960**	**6960**	**208 J**	241 U
South Area	SA-E17-E-WW25 (6-7)	6.0-7.0	6/7/2010	991 U	991 U	991 U	496 U	991 U	496 U	991 U	991 U	991 U	991 U	991 U	991 U	496 U	496 U	4960 U	49600 U	**5520**	496 U	**5150**	**10700**	**1510**	496 U
South Area	SA-E17-E-WW25 (7-8)	7.0-8.0	6/7/2010	104 U	104 U	104 U	52.2 U	104 U	52.2 U	104 U	104 U	104 U	104 U	104 U	104 U	52.2 U	52.2 U	522 U	5220 U	**692**	52.2 U	**196**	52.2 U	**29 J**	52.2 U
South Area	SA-E17-E-WW25 (8-9)	8.0-9.0	6/7/2010	50.8 U	50.8 U	50.8 U	25.4 U	50.8 U	25.4 U	50.8 U	50.8 U	50.8 U	50.8 U	50.8 U	50.8 U	25.4 U	25.4 U	254 U	2540 U	**5.81 J**	25.4 U	50.8 U	25.4 U	25.4 U	25.4 U
South Area	SA-E17-E-WW25(10-11)	10.0-11.0	6/8/2010	988 U	988 U	988 U	494 U	988 U	494 U	988 U	988 U	988 U	988 U	988 U	988 U	494 U	494 U	4940 U	49400 U	**227000**	494 U	**29700**	**5420**	**7910**	494 U
South Area	SA-E17-E-WW25(11-12)	11.0-12.0	6/8/2010	48.6 U	48.6 U	48.6 U	24.3 U	48.6 U	24.3 U	48.6 U	48.6 U	48.6 U	48.6 U	48.6 U	48.6 U	24.3 U	24.3 U	243 U	2430 U	**32.6**	24.3 U	**10.1 J**	**9.27 J**	24.3 U	24.3 U
South Area	SA-E17-E-WW25(12-13)	12.0-13.0	6/8/2010	49 U	49 U	49 U	24.5 U	49 U	24.5 U	49 U	49 U	49 U	49 U	49 U	49 U	24.5 U	24.5 U	245 U	2450 U	**67.6**	24.5 U	**34.3 J**	**20.8 J**	**6.86 J**	24.5 U
South Area	SA-E17-E-WW25(13-14)	13.0-14.0	6/8/2010	48.7 U	48.7 U	48.7 U	24.4 U	48.7 U	24.4 U	48.7 U	48.7 U	48.7 U	48.7 U	48.7 U	48.7 U	24.4 U	24.4 U	244 U	2440 U	**27.4**	24.4 U	**24.4 J**	**19.5 J**	**6.48 J**	24.4 U
South Area	SA-E17-E-WW25(2.5-3.0)	2.5-3.0	28-Apr-2010	**246**	**95.5 J**	**2790**	112 U	225 U	112 U	225 U	225 U	225 U	225 U	225 U	225 U	112 U	112 U	1120 U	11200 U	**219**	112 U	**1340**	**69.2 J**	**94.5 J**	112 U
South Area	SA-E17-E-WW25(3.0-3.5)	3.0-3.5	28-Apr-2010	**357**	**132 J**	**813**	115 U	230 U	115 U	230 U	230 U	230 U	230 U	230 U	230 U	115 U	115 U	1150 U	11500 U	**323**	115 U	**1400**	**73 J**	**72.6 J**	115 U
South Area	SA-E17-E-WW25(3.5-4.0)	3.5-4.0	28-Apr-2010	**231 J**	**73.5 J**	**68.1 J**	116 U	231 U	116 U	231 U	231 U	231 U	231 U	231 U	231 U	116 U	116 U	1160 U	11600 U	**2,660**	116 U	**2640**	**1,290**	**433**	116 U
South Area	SA-E17-E-WW25(4.0-5.0)	4.0-5.0	6/2/2010	224 U	224 U	224 U	112 U	224 U	112 U	224 U	224 U	224 U	224 U	224 U	224 U	112 U	112 U	1120 U	11200 U	**18800 J**	112 U	**2880**	**827**	**435**	112 U
South Area	SA-E17-E-WW25(5.0-6.0)	5.0-6.0	6/2/2010	238 U	238 U	238 U	119 U	238 U	119 U	238 U	238 U	238 U	238 U	238 U	238 U	119 U	119 U	1190 U	11900 U	**25500**	119 U	**3730**	**909**	**1300**	119 U
South Area	SA-E17-E-WW25(9-10)	9.0-10.0	6/8/2010	4550 U	4550 U	4550 U	2280 U	4550 U	2280 U	4550 U	4550 U	4550 U	4550 U	4550 U	4550 U	2280 U	2280 U	22800 U	228000 U	**811000**	2280 U	**96900**	**20600**	**29300**	2280 U
South Area	SA-E17-E-WW30(10-11)	10.0-11.0	6/8/2010	109 U	109 U	109 U	54.6 U	109 U	54.6 U	109 U	109 U	109 U	109 U	109 U	109 U	54.6 U	54.6 U	546 U	5460 U	**3940**	54.6 U	**6790**	**404**	**559**	54.6 U
South Area	SA-E17-E-WW30(11-12)	11.0-12.0	6/8/2010	48.7 U	48.7 U	48.7 U	24.3 U	48.7 U	24.3 U	48.7 U	48.7 U	48.7 U	48.7 U	48.7 U	48.7 U	24.3 U	24.3 U	243 U	2430 U	**16.8 J**	24.3 U	**12.8 J**	24.3 U	24.3 U	24.3 U
South Area	SA-E17-E-WW30(12-13)	12.0-13.0	6/8/2010	49.9 U	49.9 U	49.9 U	24.9 U	49.9 U	24.9 U	49.9 U	49.9 U	49.9 U	49.9 U	49.9 U	49.9 U	24.9 U	24.9 U	249 U	2490 U	**4.73 J**	24.9 U	**12.3 J**	24.9 U	24.9 U	24.9 U
South Area	SA-E17-E-WW30(13-14)	13.0-14.0	6/8/2010	49.7 U	49.7 U	49.7 U	24.8 U	49.7 U	24.8 U	49.7 U	49.7 U	49.7 U	49.7 U	49.7 U	49.7 U	24.8 U	24.8 U	248 U	2480 U	24.8 U	24.8 U	49.7 U	24.8 U	24.8 U	24.8 U
South Area	SA-E17-E-WW30(2.5-3.0)	2.5-3.0	28-Apr-2010	**212 J**	**78.5 J**	**1930**	110 U	221 U	110 U	221 U	221 U	221 U	221 U	221 U	221 U	110 U	110 U	1100 U	11000 U	**135**	110 U	**549**	**31.6 J**	**37 J**	110 U
South Area	SA-E17-E-WW30(3.0-3.5)	3.0-3.5	28-Apr-2010	**71.4**	**51**	**201**	23.3 U	46.7 U	23.3 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	23.3 U	23.3 U	233 U	2330 U	**154**	23.3 U	**378**	**18.6 J**	**52**	23.3 U
South Area	SA-E17-E-WW30(3.5-4.0)	3.5-4.0	28-Apr-2010	**254**	**114 J**	**350**	116 U	231 U	116 U	231 U	231 U	231 U	47.8 J	231 U	116 U	116 U	40.8 J	11600 U	**908**	116 U	**1120**	**139**	**80.4 J**	116 U
South Area	SA-E17-E-WW30(4.0-5.0)	4.0-5.0	6/2/2010	223 U	223 U	223 U	112 U	223 U	112 U	223 U	223 U	223 U	223 U	223 U	223 U	112 U	112 U	1120 U	11200 U	**1240**	112 U	**575**	**192**	**90.2 J**	112 U
South Area	SA-E17-E-WW30(5.0-6.0)	5.0-6.0	6/2/2010	233 U	233 U	233 U	117 U	233 U	117 U	233 U	233 U	233 U	233 U	233 U	233 U	117 U	117 U	1170 U	11700 U	**14600**	117 U	**2460**	**884**	**753**	117 U
South Area	SA-E17-E-WW30(5-6)	5.0-6.0	6/7/2010	23100 U	23100 U	23100 U	11600 U	23100 U	11600 U	23100 U	23100 U	23100 U	23100 U	23100 U	23100 U	11600 U	11600 U	116000 U	1160000 U	**4770000**	11600 U	**1180000**	**52700**	**147000**	11600 U
South Area	SA-E17-E-WW30(6.0-7.0)	6.0-7.0	6/2/2010	476 U	476 U	476 U	238 U	476 U	238 U	476 U	476 U	476 U	476 U	476 U	476 U	238 U	238 U	2380 U	23800 U	**80900**	238 U	**13700**	**2010**	**3640**	238 U
South Area	SA-E17-E-WW30(6-7)	6.0-7.0	6/7/2010	2310 U	2310 U	2310 U	1150 U	2310 U	1150 U	2310 U	2310 U	2310 U	2310 U	2310 U	2310 U	1150 U	1150 U	11500 U	115000 U	**314000**	1150 U	**46500**	**10600**	**18600**	1150 U
South Area	SA-E17-E-WW30(7.0-8.0)	7.0-8.0	6/2/2010	50.4 U	50.4 U	50.4 U	25.2 U	50.4 U	25.2 U	50.4 U	50.4 U	50.4 U	50.4 U	50.4 U	50.4 U	25.2 U	25.2 U	252 U	2520 U	**120**	25.2 U	**33.9 J**	**6.51 J**	**9.64 J**	25.2 U
South Area	SA-E17-E-WW30(7-8)	7.0-8.0	6/7/2010	467 U	467 U	467 U	234 U	467 U	234 U	467 U	467 U	467 U	467 U	467 U	467 U	234 U	234 U	2340 U	23400 U	**7730**	234 U	**2010**	**2760**	**524**	234 U
South Area	SA-E17-E-WW30(8.0-9.0)	8.0-9.0	6/2/2010	49.7 U	49.7 U	49.7 U	24.9 U	49.7 U	24.9 U	49.7 U	49.7 U	49.7 U	49.7 U	49.7 U	49.7 U	24.9 U	24.9 U	249 U	2490 U	**27.9**	24.9 U	**7.88 J**	24.9 U	24.9 U	24.9 U
South Area	SA-E17-E-WW30(8-9)	8.0-9.0	6/7/2010	2430 U	2430 U	2430 U	1210 U	2430 U	1210 U	2430 U	2430 U	2430 U	2430 U	2430 U	2430 U	1210 U	1210 U	12100 U	121000 U	**4290**	1210 U	**5410**	**11600**	**879 J**	1210 U
South Area	SA-E17-E-WW30(9-10)	9.0-10.0	6/8/2010	50900 U	50900 U	50900 U	25500 U	50900 U	25500 U	50900 U	50900 U	50900 U	50900 U	50900 U	50900 U	25500 U	25500 U	255000 U	2550000 U	**172000**	25500 U	**52800**	**69900**	**191000**	25500 U
South Area	SA-E17-E-WW35(2-4)	2.0-4.0	6/7/2010	44.2 U	44.2 U	**357**	22.1 U	44.2 U	22.1 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	22.1 U	22.1 U	221 U	2210 U	**254**	22.1 U	**6500**	**92.9**	**93.1**	22.1 U
South Area	SA-E17-E-WW35(4-6)	4.0-6.0	6/7/2010	48.2 U	48.2 U	48.2 U	24.1 U	48.2 U	24.1 U	48.2 U	48.2 U	48.2 U	48.2 U	48.2 U	48.2 U	24.1 U	24.1 U	241 U	2410 U	**42.5**	24.1 U	**22 J**	**9.76 J**	**6.98 J**	24.1 U
South Area	SA-E17-E-WW35(6-8)	6.0-8.0	6/7/2010	9620 U	9620 U	9620 U	4810 U	9620 U	4810 U	9620 U	9620 U	9620 U	9620 U	9620 U	9620 U	4810 U	4810 U	48100 U	481000 U	**1350000**	4810 U	**313000 J**	**22500**	**52500**	4810 U
South Area	SA-E17-E-WW35(8-10)	8.0-10.0	6/7/2010	49.1 U	49.1 U	49.1 U	24.5 U	49.1 U	24.5 U	49.1 U	49.1 U	49.1 U	49.1 U	49.1 U	49.1 U	24.5 U	24.5 U	245 U	2450 U	**6.19 J**	24.5 U	**88**	24.5 U	24.5 U	24.5 U
South Area	SA-E17-E-WW40(2-4)	2.0-4.0	6/7/2010	213 U	213 U	213 U	107 U	213 U	107 U	213 U	213 U	213 U	213 U	213 U	213 U	107 U	107 U	1070 U	10700 U	**822**	107 U	**115000**	**1010**	**270**	107 U
South Area	SA-E17-E-WW40(4-6)	4.0-6.0	6/7/2010	**340**	**136**	**2910**	22.1 U	44.3 U	22.1 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	44.3 U	22.1 U	22.1 U	221 U	876 J	**219**	22.1 U	**4700**	**85**	**107**	22.1 U
South Area	SA-E17-E-WW40(6-8)	6.0-8.0	6/7/2010	2270 U	2270 U	2270 U	1130 U	2270 U	1130 U	2270 U	2270 U	2270 U	2270 U	2270 U	2270 U	1130 U	1130 U	11300 U	113000 U	**17700**	1130 U	**8810**	**38600**	**2430**	1130 U
South Area	SA-E17-E-WW40(8-10)	8.0-10.0	6/7/2010	48.3 U	48.3 U	48.3 U	24.1 U	48.3 U	24.1 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	48.3 U	24.1 U	24.1 U	241 U	2410 U	**9.44 J**	24.1 U	48.3 U	24.1 U	24.1 U	24.1 U
South Area	SA-E17-E-WW45(2-4)	2.0-4.0	6/7/2010	426000 U	426000 U	426000 U	213000 U	426000 U	213000 U	426000 U	426000 U	426000 U	426000 U	426000 U	426000 U	213000 U	213000 U	2130000 U	21300000 U	**1310000**	213000 U	**296000 J**	213000 U	**46700 J**	213000 U
South Area	SA-E17-E-WW45(4-6)	4.0-6.0	6/7/2010	943000 U	943000 U	943000 U	471000 U	943000 U	471000 U	943000 U	943000 U	943000 U	943000 U	943000 U	943000 U	471000 U	471000 U	4710000 U	47100000 U	**7830000**	471000 U	**1310000**	471000 U	**289000 J**	471000 U
South Area	SA-E17-E-WW45(6-8)	6.0-8.0	6/7/2010	2330 U	2330 U	2330 U	1170 U	2330 U	1170 U	2330 U	2330 U	2330 U	2330 U	2330 U	2330 U	1170 U	1170 U	11700 U	117000 U	**5090**	1170 U	**7120**	**442 J**	1170 U	213000 U
South Area	SA-E17-E-WW45(8-10)	8.0-10.0	6/7/2010	47.7 U	47.7 U	47.7 U	23.9 U	47.7 U	23.9 U	47.7 U	47.7 U	47.7 U	47.7 U	47.7 U	47.7 U	23.9 U	23.9 U	239 U	2390 U	**184**	23.9 U	**94.6**	**8.88 J**	**19 J**	23.9 U
South Area	SA-E17-E-WW5 (10-11)	10.0-11.0	6/7/2010	47.8 U	47.8 U	47.8 U	23.9 U	47.8 U	23.9 U	47.8 U	47.8 U	47.8 U	47.8 U	47.8 U	47.8 U	23.9 U	23.9 U	239 U	2390 U	23.9 U	23.9 U	**18.5 J**	23.9 U	23.9 U	23.9 U
South Area	SA-E17-E-WW5 (7-8)	7.0-8.0	6/7/2010	903 U	903 U	903 U	451 U	903 U	451 U	903 U	903 U	903 U	903 U	903 U	903 U	451 U	451 U	4510 U	45100 U	**2180**	451 U	**2980**	**625**	**367 J**	451 U
South Area	SA-E17-E-WW5 (8-9)	8.0-9.0	6/7/2010	49.8 U	49.8 U	49.8 U	24.9 U	49.8 U	24.9 U	49.8 U	49.8 U	49.8 U	49.8 U	49.8 U	49.8 U	24.9 U	24.9 U	249 U	2490 U	24.9 U	24.9 U	49.8 U	24.9 U	24.9 U	24.9 U
South Area	SA-E17-E-WW5 (9-10)	9.0-10.0	6/7/2010	2220 U	2220 U	2220 U	1110 U	2220 U	1110 U	2220 U	2220 U	2220 U	2220 U	2220 U	2220 U	1110 U	1110 U	11100 U	111000 U	**6050**	1110 U	**4810**	**745 J**	**476 J**	1110 U
South Area	SA-E17-E-WW5-(0-2)	0-2	03-Mar-2010	45000 U	45000 U	45000 U	22500 U	45000 U	22500 U	45000 U	45000 U	45000 U	45000 U	45000 U	45000 U	22500 U	22500 U	225000 U	2250000 U	**1750000**	22500 U	**229000**	**17900 J**	**62400**	22500 U
South Area	SA-E17-E-WW5(4.0-4.5)	4.0-4.5	28-Apr-2010	2300 U	2300 U	2300 U	1150 U	2300 U	1150 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	1150 U	1150 U	11500 U	115000 U	**73,900**	1150 U	**17,100**	**2,660**	**4,160**	1150 U
South Area	SA-E17-E-WW5(4.5-5.0)	4.5-5.0	28-Apr-2010	46.8 U	46.8 U	46.8 U	23.4 U	46.8 U	23.4 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	46.8 U	23.4 U	23.4 U	234 U	2340 U	**87.3**	23.4 U	**143**	**16.6 J**	23.4 U	23.4 U
South Area	SA-E17-E-WW5(5.0-6.0)	5.0-6.0	28-Apr-2010	225 U	225 U	225 U	113 U	225 U	113 U	225 U	225 U	225 U	225 U	225 U	225 U	113 U	113 U	1130 U	11300 U	**1,460**	113 U	**1,130**	**405**	**323**	113 U
South Area	SA-E17-F-EW (4-5)	4-5	28-Jan-2010	44.4 U	44.4 U	44.4 U	22.2 U	44.4 U	22.2 U	44.4 U	44.4 U	44.4 U	44.4 U	44.4 U	44.4 U	22.2 U	22.2 U	222 U	2220 U	**15.5 J**	22.2 U	**31.1 J**	22.2 U	22.2 U	22.2 U
South Area	SA-E17-F-F (2-4)	2.0-4.0	6/9/2010	42.6 U	42.6 U	42.6 U	21.3 U	42.6 U	21.3 U	42.6 U	42.6 U	42.6 U	42.6 U	42.6 U	42.6 U	21.3 U	21.3 U	213 U	2130 U	21.3 U	21.3 U	42.6 U	21.3 U	21.3 U	21.3 U

TABLE 4-2 AOC-1 Soil Sampling Results

Soil Pesticide Data Summary - Southern Area (Rock Salt Warehouse)

Georgia Ports Authority, Bainbridge Terminal

		Proposed Site-Specific RRS Values (ug/kg):		***11,000***	***7,700***	***11,000***	***660***												***660***		***3,100***	***100***	***12,000***	
South Area	SA-E17-F-F (4-6)	4.0-6.0	6/9/2010	42 U	42 U	42 U	21 U	42 U	21 U	42 U	42 U	42 U	42 U	42 U	21 U	21 U	210 U	2100 U	21 U	21 U	42 U	21 U	21 U	21 U
South Area	SA-E17-F-F (6-8)	8.0-10.0	6/9/2010	41.9 U	41.9 U	41.9 U	21 U	41.9 U	21 U	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U	21 U	21 U	210 U	2100 U	21 U	21 U	41.9 U	21 U	21 U	21 U
South Area	SA-E17-F-SW	0-2	27-Jan-2010	911 U	911 U	911 U	456 U	911 U	456 U	911 U	911 U	911 U	911 U	911 U	456 U	456 U	4560 U	45600 U	**3130**	456 U	**4240**	**456 U**	**97.1 J**	456 U
South Area	SA-E17-F-SW10(0-2)	0-2	10-Mar-2010	**60.8 J**	447 U	**279 J**	223 U	447 U	223 U	447 U	447 U	447 U	447 U	447 U	223 U	223 U	2230 U	22300 U	**180 J**	223 U	**2980**	**75.8 J**	**69.9 J**	223 U
South Area	SA-E17-F-SW15(0-2)	0-2	10-Mar-2010	228 U	228 U	**125 J**	114 U	228 U	114 U	228 U	228 U	228 U	228 U	228 U	114 U	114 U	1140 U	11400 U	**260**	114 U	**1820**	**113 J**	**52.5 J**	114 U
South Area	SA-E17-F-SW5(0-2)	0-2	10-Mar-2010	909 U	909 U	**194 J**	455 U	909 U	455 U	909 U	909 U	909 U	909 U	909 U	455 U	455 U	4550 U	45500 U	**1250**	455 U	**5930**	**217 J**	**99.2 J**	455 U
South Area	SA-E17-F-SWF(2.5-3.0)	2.5-3	10-Mar-2010	233 U	233 U	**93.2 J**	116 U	233 U	116 U	233 U	233 U	233 U	233 U	233 U	116 U	116 U	1160 U	11600 U	**155**	116 U	**1400**	116 U	**47.2 J**	116 U
South Area	SA-E17-F-SWF(3.0-3.5)	3-3.5	10-Mar-2010	465 U	465 U	**141 J**	233 U	465 U	233 U	465 U	465 U	465 U	465 U	465 U	233 U	233 U	2330 U	23300 U	**328**	233 U	**2460**	233 U	**137 J**	233 U
South Area	SA-E17-G(2.5-3.0)-F	2.5-3	01-Mar-2010	22100 U	22100 U	22100 U	11100 U	22100 U	11100 U	22100 U	22100 U	22100 U	22100 U	22100 U	11100 U	11100 U	111000 U	1110000 U	**437000**	11100 U	**39300**	**4350 J**	**13800**	11100 U
South Area	SA-E17-G-DUP	N/A	22-Apr-2010	45.3 U	45.3 U	45.3 U	22.6 U	45.3 U	22.6 U	45.3 U	45.3 U	45.3 U	45.3 U	45.3 U	22.6 U	22.6 U	226 U	2260 U	**6.31 J**	22.6 U	**80.4**	**19.4 J**	22.6 U	22.6 U
South Area	SA-E17-G-F	2	27-Jan-2010	4480 U	4480 U	4480 U	2240 U	4480 U	2240 U	4480 U	4480 U	4480 U	4480 U	4480 U	2240 U	2240 U	22400 U	224000 U	2240 U	2240 U	**25900**	2240 U	2240 U	2240 U
South Area	SA-E17-G-F(3.5-4.0)	3.5-4.0	22-Apr-2010	46.9 U	46.9 U	46.9 U	23.5 U	46.9 U	23.5 U	46.9 U	46.9 U	46.9 U	46.9 U	46.9 U	23.5 U	23.5 U	235 U	2350 U	**90.5**	23.5 U	**104**	**74.4**	**20.8 J**	23.5 U
South Area	SA-E17-G-F(4.0-4.5)	4.0-4.5	22-Apr-2010	45.8 U	45.8 U	45.8 U	22.9 U	45.8 U	22.9 U	45.8 U	45.8 U	45.8 U	45.8 U	45.8 U	22.9 U	22.9 U	229 U	2290 U	**5.14 J**	22.9 U	**93.4**	**20.7 J**	22.9 U	22.9 U
South Area	SA-E17-G-F(4.0-5.0)	4.0-5.0	29-Apr-2010	46.7 U	46.7 U	46.7 U	23.3 U	46.7 U	23.3 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	23.3 U	23.3 U	233 U	2330 U	23.3 U	23.3 U	**16.4 J**	23.3 U	23.3 U	23.3 U
South Area	SA-E17-H-EW	0-2	27-Jan-2010	222 U	222 U	**87.1 J**	111 U	222 U	111 U	222 U	222 U	222 U	222 U	222 U	111 U	111 U	1110 U	11100 U	**1050**	111 U	**1790**	**179**	**67 J**	111 U
South Area	SA-E17-H-F (2-4)	2.0-4.0	6/9/2010	40.8 U	40.8 U	40.8 U	20.4 U	40.8 U	20.4 U	40.8 U	40.8 U	40.8 U	40.8 U	40.8 U	20.4 U	20.4 U	204 U	2040 U	20.4 U	20.4 U	**6.59 J**	20.4 U	20.4 U	20.4 U
South Area	SA-E17-H-F (4-6)	4.0-6.0	6/9/2010	41.9 U	41.9 U	41.9 U	20.9 U	41.9 U	20.9 U	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U	20.9 U	20.9 U	209 U	2090 U	20.9 U	20.9 U	41.9 U	20.9 U	20.9 U	20.9 U
South Area	SA-E17-H-F (6-8)	6.0-8.0	6/9/2010	42 U	42 U	42 U	21 U	42 U	21 U	42 U	42 U	42 U	42 U	42 U	21 U	21 U	210 U	2100 U	21 U	21 U	**5.52 J**	21 U	21 U	21 U
South Area	SA-E17-H-SW	0-2	27-Jan-2010	**826**	**89.2 J**	**6950**	226 U	451 U	226 U	451 U	451 U	451 U	451 U	451 U	226 U	226 U	2260 U	22600 U	**50.2 J**	226 U	**1370**	226 U	226 U	226 U
South Area	SA-E17-H-SW (4-5)	4-5	28-Jan-2010	87.9 U	87.9 U	87.9 U	44 U	87.9 U	44 U	87.9 U	87.9 U	87.9 U	87.9 U	87.9 U	44 U	44 U	440 U	4400 U	**189**	44 U	**4550**	44 U	**38.8 J**	44 U
South Area	SA-E17-H-WW	0-2	27-Jan-2010	**78.8**	**49.8**	**381**	22.3 U	44.7 U	22.3 U	44.7 U	44.7 U	44.7 U	44.7 U	44.7 U	22.3 U	22.3 U	223 U	2230 U	**79.2**	22.3 U	**464**	**18.1 J**	**21.5 J**	22.3 U
South Area	SA-E17-I(2.5-3.0)-F	2.5-3	01-Mar-2010	**47.1 J**	**19.5 J**	**47.1 J**	45.9 U	91.8 U	45.9 U	91.8 U	91.8 U	91.8 U	91.8 U	91.8 U	45.9 U	45.9 U	459 U	4590 U	**184**	45.9 U	**1720**	**115**	**24.1 J**	45.9 U
South Area	SA-E17-I-DUP	N/A	22-Apr-2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	24.2 U	24.2 U	**15.8 J**	24.2 U	24.2 U	24.2 U
South Area	SA-E17-I-F	2	27-Jan-2010	4320 U	4320 U	945 J	2160 U	4320 U	2160 U	4320 U	4320 U	4320 U	4320 U	4320 U	2160 U	2160 U	21600 U	216000 U	**25000**	2160 U	**19600**	**1200 J**	**804 J**	2160 U
South Area	SA-E17-I-F(3.5-4.0)	3.5-4.0	22-Apr-2010	46.7 U	46.7 U	46.7 U	23.4 U	46.7 U	23.4 U	46.7 U	46.7 U	46.7 U	46.7 U	46.7 U	23.4 U	23.4 U	234 U	2340 U	23.4 U	23.4 U	**36.5 J**	23.4 U	23.4 U	23.4 U
South Area	SA-E17-I-F(4.0-4.5)	4.0-4.5	22-Apr-2010	47.9 U	47.9 U	47.9 U	23.9 U	47.9 U	23.9 U	47.9 U	47.9 U	47.9 U	47.9 U	47.9 U	23.9 U	23.9 U	239 U	2390 U	23.9 U	23.9 U	**17.4 J**	23.9 U	23.9 U	23.9 U
South Area	SA-E17-I-F(4.5-5.0)	4.5-5.0	29-Apr-2010	47.5 U	47.5 U	47.5 U	23.7 U	47.5 U	23.7 U	47.5 U	47.5 U	47.5 U	47.5 U	47.5 U	23.7 U	23.7 U	237 U	2370 U	23.7 U	23.7 U	47.5 U	23.7 U	23.7 U	23.7 U
South Area	SA-E17-I-SW	0-2	27-Jan-2010	**37.2 J**	266 U	**143 J**	133 U	266 U	133 U	266 U	266 U	266 U	266 U	266 U	133 U	133 U	1330 U	13300 U	**146**	133 U	**1860**	**43.8 J**	**46.5 J**	133 U
South Area	SA-E17-I-WW	0-2	27-Jan-2010	4930 U	4930 U	4930 U	2460 U	4930 U	2460 U	4930 U	4930 U	4930 U	4930 U	4930 U	2460 U	2460 U	24600 U	246000 U	**24600**	2460 U	**7540**	2460 U	2460 U	2460 U
South Area	SA-E17-PIT-F (5-6)	5-6	02-Mar-2010	91.9 U	91.9 U	91.9 U	45.9 U	91.9 U	45.9 U	91.9 U	91.9 U	91.9 U	91.9 U	91.9 U	45.9 U	45.9 U	459 U	4590 U	**53.2**	45.9 U	91.9 U	45.9 U	45.9 U	45.9 U
South Area	SA-E17-PIT-SW (3.5-4.0)	3.5-4.0	29-Apr-2010	50.1 U	50.1 U	50.1 U	25.1 U	50.1 U	25.1 U	50.1 U	50.1 U	50.1 U	50.1 U	50.1 U	25.1 U	25.1 U	251 U	2510 U	**26.7**	25.1 U	50.1 U	25.1 U	**38.1**	25.1 U
Sorth Area	SA-E17-PIT-SW (3-4)	3-4	03-Mar-2010	963 U	963 U	963 U	482 U	963 U	482 U	963 U	963 U	963 U	963 U	963 U	482 U	482 U	4820 U	48200 U	**2100**	482 U	**4590**	**459 J**	**387 J**	482 U
South Area	SA-E17-PIT-SW(4.0-4.5)	4.0-4.5	29-Apr-2010	43.1 U	43.1 U	**14.1 J**	21.5 U	43.1 U	21.5 U	43.1 U	43.1 U	43.1 U	43.1 U	43.1 U	21.5 U	21.5 U	215 U	2150 U	**226**	21.5 U	**685**	**111**	**151**	21.5 U
South Area	SA-E17-PIT-SW(4.5-5.0)	4.5-5.0	29-Apr-2010	44.1 U	44.1 U	44.1 U	22.1 U	44.1 U	22.1 U	44.1 U	44.1 U	44.1 U	44.1 U	44.1 U	22.1 U	22.1 U	221 U	2210 U	22.1 U	22.1 U	44.1 U	22.1 U	22.1 U	22.1 U
South Area	SA-E17-PIT-SW(5.5-6.0)	5.5-6.0	29-Apr-2010	52.7 U	52.7 U	52.7 U	26.3 U	52.7 U	26.3 U	52.7 U	52.7 U	52.7 U	52.7 U	52.7 U	26.3 U	26.3 U	263 U	2630 U	26.3 U	26.3 U	52.7 U	26.3 U	26.3 U	26.3 U
South Area	SA-E17-PIT-SW(5-6)	5.0-6.0	26-Apr-2010	225 U	225 U	225 U	113 U	225 U	113 U	225 U	225 U	225 U	225 U	225 U	113 U	113 U	1130 U	11300 U	113 U	113 U	225 U	113 U	113 U	113 U
South Area	SA-E17-PIT-SW(6-7)	6.0-7.0	26-Apr-2010	45.9 U	45.9 U	45.9 U	22.9 U	45.9 U	22.9 U	45.9 U	45.9 U	45.9 U	45.9 U	45.9 U	22.9 U	22.9 U	229 U	2290 U	22.9 U	22.9 U	45.9 U	22.9 U	22.9 U	22.9 U
South Area	SA-E17-PIT-SW(7-8)	7.0-8.0	26-Apr-2010	47.2 U	47.2 U	47.2 U	23.6 U	47.2 U	23.6 U	47.2 U	47.2 U	47.2 U	47.2 U	47.2 U	23.6 U	23.6 U	236 U	2360 U	23.6 U	23.6 U	**23.7 J**	23.6 U	23.6 U	23.6 U
South Area	SA-E17-PIT-WW(3-4)	3-4	02-Mar-2010	500 U	500 U	500 U	250 U	500 U	250 U	500 U	500 U	500 U	500 U	500 U	250 U	250 U	2500 U	25000 U	**797**	250 U	**2660**	**127 J**	**89.9 J**	250 U
South Area	SA-E17-PIT-WW(4.0-4.5)	4.0-4.5	23-Apr-2010	444 U	444 U	109 J	222 U	444 U	222 U	444 U	444 U	444 U	444 U	444 U	222 U	222 U	2220 U	22200 U	**3550**	222 U	2230	**373**	902	222 U
South Area	SA-E17-PIT-WW(4.5-5.0)	4.5-5.0	23-Apr-2010	948 U	948 U	948 U	474 U	948 U	474 U	948 U	948 U	948 U	948 U	948 U	474 U	474 U	4740 U	47400 U	**5640**	474 U	1710	**326 J**	612	474 U
South Area	SA-E17-PIT-WW(4.5-5.0)	4.5-5.0	29-Apr-2010	518 U	518 U	**201 J**	259 U	518 U	259 U	518 U	518 U	518 U	518 U	518 U	259 U	259 U	2590 U	25900 U	**3,750**	259 U	**1440**	**390**	**557**	259 U
South Area	SA-E17-PIT-WW(5.0-5.5)	5.0-5.5	29-Apr-2010	45.3 U	45.3 U	45.3 U	22.7 U	45.3 U	22.7 U	45.3 U	45.3 U	45.3 U	45.3 U	45.3 U	22.7 U	22.7 U	227 U	2270 U	**14.8 J**	22.7 U	45.3 U	22.7 U	22.7 U	22.7 U
South Area	SA-E17-PIT-WW(5.5-6.0)	5.5-6.0	29-Apr-2010	48.4 U	48.4 U	48.4 U	24.2 U	48.4 U	24.2 U	48.4 U	48.4 U	48.4 U	48.4 U	48.4 U	24.2 U	24.2 U	242 U	2420 U	24.2 U	24.2 U	48.4 U	24.2 U	24.2 U	24.2 U
South Area	SA-E17-PIT-WW(6.0-7.0)	6.0-7.0	29-Apr-2010	50.8 U	50.8 U	50.8 U	25.4 U	50.8 U	25.4 U	50.8 U	50.8 U	50.8 U	50.8 U	50.8 U	25.4 U	25.4 U	254 U	2540 U	25.4 U	25.4 U	50.8 U	25.4 U	25.4 U	25.4 U

Notes:

Unless otherwise stated, all concentrations are reported in micrograms per kilogram (ug/Kg).

Bold values indicate detection either above the Method Detection Limit (MDL) or less than or more than the Reporting Limit (RL). If concentrations are reported at less than the RL, the value is accompanied by a "J" qualifier.

Bolded, italicized values indicate detection above the proposed Site-Specific Risk Reduction Standards (RRS).

J = Concentration detected at or above the MDL.

Toxaphene does not have a site-specific RRS value but the highlighted value is above the GA EPD notification concentration.

Table 4-3: AOC-3 Soil Pesticides Data Summary Table

Method SW-846 8081B			alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	Heptachlor	Aldrin	Heptachlor epoxide	Endosulfan I	Dieldrin	4,4'-DDE	Endrin	Endosulfan II	4,4'-DDD	Endosulfan sulfate	4,4'-DDT	Methoxychlor	Endrin aldehyde	gamma-Chlordane	alpha-Chlordane	Endrin ketone	Toxaphene
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Site-Specific RRS Values (mg/kg)			0.66	3.1	0.1	12		0.66				7.7			11		11						
Type RRS			3	4	4	4		3				4			4		4						
Soil Delineation Concentration Criteria			0.66	3.1	0.1	12		0.66				7.7			11		11						10.88
ID	Depth (ft)	Sample Date																					
S1	0 - 0.5	11/5/13 10:43	0.00199 U	0.00186 U	0.00186 U	0.00319 U	0.00155 U	0.00399 U	0.000753 U	0.00253 U	0.00288 U	0.00368 U	0.001110 U	0.00253 U	0.000975 U	0.00261 U	0.00177 U	0.00253 U	0.00199 U	0.00239 U	0.00239 U	0.00261 U	**0.228**
	0.5 - 1.0	11/5/13 10:55	0.00186 U	0.00173 U	0.00173 U	0.00297 U	0.00144 U	0.00371 U	0.000701 U	0.00235 U	0.00268 U	0.00342 U	0.001030 U	0.00235 U	0.000908 U	0.00243 U	0.00165 U	0.00235 U	0.00186 U	0.00223 U	0.00223 U	0.00243 U	**0.131** J
S2S A	0 - 0.5	11/5/13 11:46	0.00194 U	0.00181 U	0.00181 U	0.00310 U	0.00150 U	0.00387 U	0.000732 U	0.00245 U	0.00280 U	0.00357 U	0.001080 U	0.00245 U	0.000947 U	0.00254 U	0.00172 U	0.00245 U	0.00194 U	0.00232 U	0.00232 U	0.00254 U	**0.224**
	0.5 - 1.0	11/5/13 11:56	0.00193 U	0.00180 U	0.00180 U	0.00309 U	0.00150 U	0.00386 U	0.000730 U	0.00245 U	0.00279 U	0.00356 U	0.001070 U	0.00245 U	0.000945 U	0.00253 U	0.00172 U	0.00245 U	0.00193 U	0.00232 U	0.00232 U	0.02530 U	**0.139** J
S3 N	0 - 0.5	11/5/13 12:07	0.00180 U	0.00168 U	0.00168 U	0.00288 U	0.00139 U	0.00359 U	0.000679 U	0.00228 U	0.00260 U	0.00332 U	0.000999 U	0.00228 U	0.000879 U	0.00236 U	0.00160 U	0.00228 U	0.00180 U	0.00216 U	0.00216 U	0.00236 U	**0.113** J
	0.5 - 1.0	11/5/13 12:18	0.00178 U	0.00166 U	0.00166 U	0.00285 U	0.00138 U	0.00356 U	0.000673 U	0.00226 U	0.00257 U	0.00328 U	0.000989 U	0.00226 U	0.000871 U	0.00233 U	0.00158 U	0.00226 U	0.00178 U	0.00214 U	0.00214 U	0.00233 U	**0.464**
S4 E	0 - 0.5	11/5/13 12:32	0.00179 U	0.00167 U	0.00167 U	0.00287 U	0.00139 U	0.00358 U	0.000676 U	0.00227 U	0.00259 U	0.00330 U	0.000995 U	0.00227 U	0.000875 U	0.00235 U	0.00159 U	0.00227 U	0.00179 U	0.00215 U	0.00215 U	0.00235 U	**0.259**
	0.5 - 1.0	11/5/13 12:43	0.00179 U	0.00167 U	0.00167 U	0.00286 U	0.00139 U	0.00357 U	0.000675 U	0.00226 U	0.00258 U	0.00330 U	0.000993 U	0.00226 U	0.000874 U	0.00234 U	0.00159 U	0.00226 U	0.00179 U	0.00214 U	0.00214 U	0.00234 U	**0.357**
S5 W	0 - 0.5	11/5/13 12:56	0.00174 U	0.00162 U	0.00162 U	0.00278 U	0.00135 U	0.00347 U	0.000656 U	0.00220 U	0.00251 U	0.00320 U	0.000965 U	0.00220 U	0.000849 U	0.00228 U	0.00154 U	0.00220 U	0.00174 U	0.00208 U	0.00208 U	0.00228 U	**0.389**
	0.5 - 1.0	11/5/13 13:03	0.00653 U	0.00619 U	0.00619 U	0.01060 U	0.00514 U	0.01330 U	0.002510 U	0.00840 U	0.00958 U	0.01220 U	0.003690 U	0.00840 U	0.003240 U	0.00870 U	0.00590 U	0.00840 U	0.00663 U	0.00796 U	0.00796 U	0.00870 U	**3.31**

Notes:

RRS = Risk Reduction Standard.

mg/kg = Milligrams per kilogram

NA = Not Applicable.

J = Target analyte concentration was positively identified below the quantization limit and above the detection limit.

U = Analyte was not detected.

0.389 = Results above detection limit

Table 4-4: Historical Groundwater Analytical Results

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		**0.5**		**1.6**		**0.1**		**2.6**				**0.2**								**8.4**						**12**				**8.4**													
Type RRS		**4**		**4**		**4**		**4**				**4**								**4**						**4**				**4**													
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-1	4/15/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.095**		**0.113**		0.051	U	**0.065**		0.051	U	0.051	U	0.051	U	**0.00462**	J	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	7/13/2011	0.051	U	**0.1**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	**0.103**		0.102	U	0.102	U	**0.0092**	J	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00722	U	0.00742	U	0.00722	U	0.01320	U	0.0105	U	0.00856	U	0.00814	U	0.000464	U	0.00835	U	0.01160	U	0.00928	U	0.00856	U	0.01000	U	0.01150	U	0.0108	U	0.00835	U	0.00722	U	0.00835	U	0.00742	U	0.00515	U
	3/25/2014	0.003	U	0.00232	U	0.00131	U	0.00169	U	0.00551	U	0.00323	U	0.00142	U	0.00099	U	0.001500	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.00141	U	0.0762	U
	9/4/2014	**0.0343**	J	**0.231**		0.002	U	**0.0362**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-1A	9/1/2001	0.100	U	0.1	U	0.1	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.092**		**0.158**		0.051	U	**0.063**		0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	7/13/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00711	U	0.00731	U	0.00711	U	0.01300	U	0.0104	U	0.00843	U	0.00802	U	0.000457	U	0.00822	U	0.01150	U	0.00914	U	0.00843	U	0.00985	U	0.01140	U	0.0107	U	0.00822	U	0.00711	U	0.00822	U	0.00731	U	0.00508	U
	3/25/2014	0.003	U	0.00237	U	0.00134	U	0.00173	U	0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.001530	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/4/2014	**0.0234**	J	**0.161**		**0.0046**	J	**0.0213**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	**0.0214**	JF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-2	4/16/2008	0.010	U	**0.0099**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	0.050	U	0.05	U	**0.05**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/3/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/2/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.008	U	0.00711	U	0.00731	U	0.00711	U	0.01300	U	0.0104	U	0.00843	U	0.00802	U	0.000457	U	0.00822	U	0.01150	U	0.00914	U	0.00843	U	0.00985	U	0.01040	U	0.0107	U	0.00822	U	0.00711	U	0.00822	U	0.00731	U	0.00508	U
	3/25/2014	0.003	U	0.00231	U	0.00131	U	0.00168	U	0.00548	U	0.00321	U	0.00142	U	0.00099	U	0.001490	U	0.00595	U	0.00143	U	0.00175	U	0.00269	U	0.00115	U	0.03420	U	0.00176	U	0.00339	U	0.00482	U	0.00324	U	0.00141	U	0.0758	U
	9/3/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/2/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00208	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.02200	U	0.00450	UF	0.423	U
MW-3	3/28/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NS	
	6/3/2013	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	9/5/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.009	U	0.00824	U	0.00847	U	0.00824	U	0.01510	U	0.012	U	0.00976	U	0.00929	U	0.000529	U	0.00953	U	0.01330	U	0.01060	U	0.00976	U	0.01140	U	0.01320	U	0.0124	U	0.00953	U	0.00824	U	0.00953	U	0.00847	U	0.00588	U
	3/25/2014	0.003	U	0.00235	U	0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.001510	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	U
	9/4/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-4U	9/1/2001	0.100	U	0.1	U	**0.1**	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	U
	4/15/2008	0.010	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.52	U
	8/5/2009	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00788	U	0.008	U	0.00778	U	0.01420	U	0.0113	U	0.00922	U	0.00878	U	0.00050	U	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.00800	U	0.00556	U
	3/25/2014	0.003	U	0.00235	U	0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	U
	9/4/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0101	U	0.0023	UF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-5A	4/16/2008	**0.120**		**2.4**		**0.63**		**0.04**	J	0.051	U	**0.023**	J	0.051	U	0.051	U	**2.7**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.14**		0.51	U
	8/4/2009	**0.510**	J	**18**		**2.2**		**0.155**	J	1.01	U	1.01	U	1.01	U	1.01	U	1.70	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	1.01	U	**0.340**	J	101	U
	7/15/2011	**0.130**		**1.41**		**0.559**		**0.1**	J	0.104	U	0.104	U	0.104	U	0.104	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	1.04	U	0.208	U	0.104	U	0.104	U	0.208	U	10.4	U
	4/6/2012	**0.430**	J	**15.6**	UBL	**1.6**	UBL	**0.223**	J	1.01	U	**0.217**	J	1.01	U	1.01	U	**5.07**		2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	0.104	U	**0.625**	J	101	U
	11/20/2012	**0.022**	J	**5.1**	*	**0.09**		**0.019**	J	0.0049	U	**0.08**		0.0049	U	0.0049	U	**5.6**	*	0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	**0.19**		0.98	U
	3/26/2013	**0.100**		**2.34**		**0.242**		**0.076**		0.0019	U	0.002	U	0.0007	U	0.002	U	**2.12**		0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	**0.0724**	J	0.215	U
	6/7/2013	**0.154**		**4.2**		**0.348**		**0.113**		0.0019	U	**0.0782**		0.0007	U	0.002	U	**5.41**		0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	**0.122**		0.215	U
	9/5/2013	0.010	U	**0.389**		0.002	U	0.0016	U	0.00290	U	**0.0286**	J	**0.236**		0.00240	U	**2.75**	D	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	**0.0398**	J	0.423	U
	12/5/2013	**0.488**		**10.2**	D	**1.24**		**0.426**		0.01420	U	0.0113	U	0.00922	U	0.00878	U	**5.93**	D	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	**0.872**		0.00556	U
	3/26/2014	**0.239**		0.00232	U	**0.668**		**0.24**		0.00551	U	0.0747	U	0.00142	U	0.00099	U	0.0015	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.244	U	0.0762	U
	9/5/2014	**0.322**		**7.47**	D	**1.01**	D	**0.298**		0.00290	U	**0.0787**		0.00280	U	0.00240	U	**1.99**	D	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	**0.235**		0.423	U
	3/3/2015	**0.062**		**1.63**	DF	**0.255**	F	**0.0545**		0.00290	U	**0.0219**		0.00280	U	0.00240	U	**1.80**		0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	**0.070**	J	0.423	U
MW-5D	7/1/2001	**1.000**		**8.7**		**3.7**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	**0.190**		**12**		**0.86**		**0.081**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.061**		0.051	U
	8/3/2009	**1.180**	J	**23.3**		**4.7**		**0.538**	J	2.02	U	**2.02**	U	2.02	U	2.02	U	**0.284**	J	4.04	U	4.04	U	4.04	U	4.04	U	4.04	U	4.04	U	20.2	U	4.04	U	4.04	U	**2.02**		2.02	U	4.04	U	202	U
	7/15/2011	**0.500**	U	**8.61**		**0.47**	J	**0.538**	J	0.5	U	**0.5**	U	0.5	U	0.5	U	**5.6**		1	U	1	U	1	U	1	U	1	U	1	U	5	U	1	U	0.5	U	0.5	U	1	U	50	U
	4/6/2012	**0.660**		**6**	UBL	**2.1**	UBL	**0.544**		0.51	U	**0.51**	U	0.51	U	0.51	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	5.1	U	5.1	U	**1.02**		51	U
	11/20/2012	**0.720**		**5.2**	*	**2.5**	*	**0.68**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	**0.079**		0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	0.98	U
	3/26/2013	0.002	U	**0.119**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	**0.215**		**2.49**		**0.567**		**0.225**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.12**		0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.597**		**11.3**	D	**2.19**	D	**0.779**		0.01510	U	0.012	U	0.00976	U	0.00929	U	**0.116**		0.00953	U	0.01330	U	0.01060	U	0.00976	U	0.01140	U	0.01320	U	0.0124	U	0.00953	U	0.00824	U	0.00953	U	0.00847	U	0.00588	U
	3/26/2014	0.003	U	0.00232	U	0.00131	U	0.00169	U	0.00551	U	0.00323	U	0.00141	U	0.00099	U	0.002	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.00141	U	0.0762	U
	9/3/2014	**0.352**		**18.2**	D	**1.93**	J	**0.383**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	**0.360**		0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.00285	U	0.00851	U	0.00178	U	0.00218	U	**0.0541**	J	0.419	U
	3/5/2015	**0.145**		**4.47**	DF	**1.77**	J	**0.143**		0.00290	U	0.00260	U	0.00280	U	0.00240	U	**0.080**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	**0.0204**	JF	0.423	U

Table 4-4: Historical Groundwater Analytical Results

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
Type RRS		4		4		4		4				4								4						4				4													
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-6	9/1/2001	**1.840**		**1.39**		**2.22**		**0.31**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/1/2002	**1.200**		**1**		**3.6**		**0.11**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/14/2008	**1.700**		**1.1**		**3.5**		**0.0079**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	8/4/2009	**2.360**		**1.7**		**6.7**		0.505	U	0.505	U	**0.505**	U	0.505	U	0.505	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	5.05	U	1.01	U	0.505	U	0.505	U	1.01	U	50.5	U
	7/12/2011	**2.500**		**2.5**		**7.9**		0.526	U	0.526	U	**0.526**	U	0.526	U	0.526	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	5.26	U	1.05	U	0.526	U	0.526	U	1.05	U	52.6	U
	4/5/2012	**1.400**		**1.6**		**2.54**	UBL	0.253	U	0.253	U	**0.253**	U	0.253	U	0.253	U	0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	2.53	U	0.505	U	0.253	U	0.253	U	0.505	U	25.3	U
	11/20/2012	**1.400**	*	**1.3**	*	**2.6**	*	**0.013**	J***	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	0.98	U
	3/26/2013	**1.290**		**1.32**		**2.53**		0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**1.230**		**1.36**		**1.69**		0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	**1.510**	D	**1.61**	D	**2.33**	D	**0.0143**	J	**2.22**	D	**0.0106**	J	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**1.680**		**1.67**		**2.71**	DX	**0.035**		0.0142	U	0.0113	U	0.00922	U	0.00878	U	**0.000522**	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	**0.797**		**1.16**		**1.98**		0.00173	U	0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.00153	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/8/2014	**0.907**	D	**1.15**	D	**1.81**	D	0.00158	U	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/4/2015	**0.348**		**0.594**	F	**1.17**	DF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-7	9/1/2001	**20.510**		**3.23**		**1.35**		**2.66**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/1/2002	**4.300**		**1.2**		**1**		**1.3**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/14/2008	**0.580**		**0.4**		**0.021**	J	**0.032**	J	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.52	U
	8/5/2009	**0.137**		**0.564**		0.051	U	**0.129**		0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	**0.00823**	J	0.101	U	5.05	U
	3/27/2013	**0.030**	J	**0.273**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/3/2013	0.002	U	**0.489**		0.0009	U	**0.0524**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	**0.061**		**0.365**		0.002	U	**0.0332**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	**0.023**		**0.31**		**0.0126**	J	**0.0487**		0.01420	U	0.0113	U	0.00922	U	0.00878	U	**0.00184**	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	**0.018**		**0.264**		0.00133	U	**0.034**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	**0.0364**	J	**0.409**		0.00198	U	**0.0660**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/4/2015	0.0101	U	**0.427**	F	**0.0132**	JF	**0.0334**	J	0.00290	U	0.0026	U	0.00280	U	0.00430	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	UF	0.423	U
MW-8	9/2/2001	0.100	U	**0.22**		**0.1**	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	**0.310**		**1.7**		**0.46**		**0.2**		0.05	U	0.05	U	0.05	U	0.05	U	**0.011**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.5	U
	7/14/2011	**0.527**		**2.66**		**1.1**		**0.277**		0.25	U	**0.25**	U	0.25	U	0.25	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.25	U	0.25	U	0.5	U	25	U
	4/5/2012	**0.227**		**1.99**		**0.3**	UBL	**0.124**		0.101	U	0.101	U	0.101	U	0.101	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	1.01	U	0.202	U	1.01	U	1.01	U	0.202	U	10.1	U
	11/20/2012	**0.210**		**2.1**	*	**0.28**		**0.13**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	**0.032**	J	**1.47**		0.0009	U	0.036	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**0.266**		**1.15**		**0.215**		**0.147**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	**0.162**		**1.68**	D	**0.112**		**0.108**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.00961**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.536**		**1.77**		**0.655**		**0.383**		0.01420	U	0.0113	U	0.00922	U	0.00878	U	**0.0101**	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	**0.061**		**0.829**		**0.0899**		**0.0392**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/8/2014	**0.179**		**1.31**	D	**0.272**		**0.145**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	**0.0148**	J	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/5/2015	**0.013**	J	**0.542**	F	**0.0231**	JF	**0.0108**	J	0.00180	U	0.0026	U	0.00280	U	0.00240	U	**0.0071**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-9	9/1/2001	**0.770**		**5.01**		**0.82**		**0.42**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NL	
	3/25/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	6/5/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	9/4/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	12/3/2013	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	3/25/2014	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	9/4/2014	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
	3/5/2015	NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL	
MW-10	4/1/2002	**1.900**		**9**		**3.7**		**0.86**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/3/2002	**1.500**	J	**8.8**	J	**1.8**	J	0.7	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	0.5	U	0.5	U	NM		2	U
	4/14/2008	**2.000**		**5.4**		**0.95**		**0.89**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**1.450**		**6.9**		**1.8**		**0.564**		0.505	U	**0.505**	U	0.505	U	0.505	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	5.05	U	1.01	U	0.505	U	0.505	U	1.01	U	50.5	U
	7/12/2011	**1.200**		**13**		**2.1**		**0.53**		0.521	U	**0.521**	U	0.521	U	0.521	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	5.21	U	1.04	U	0.521	U	0.521	U	1.04	U	52.1	U
	4/5/2012	**1.360**		**9**		**1.2**	UBL	**0.534**		0.51	U	**0.51**	U	0.51	U	0.51	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	5.1	U	5.1	U	1.02	U	51	U
	11/21/2012	**0.710**		**6.8**	*	**0.46**	J*	**0.35**		0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0095	U	0.0095	U	0.0048	U	0.0095	U	0.0095	U	0.0095	U	0.0095	U	0.0095	U	0.0048	U	0.0048	U	0.0095	U	0.95	U
	3/27/2013	**0.899**		**6.76**		**0.683**		**0.38**		0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**0.427**		**5.79**		**0.372**		**0.181**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	**0.650**		**8.6**	D	**0.511**		**0.307**		**0.346**		0.0026	U	0.00280	U	0.00240	U	**0.00961**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	**3.120**		**8.43**	D	**2.71**		**1.45**		0.064	U	0.051	U	0.04150	U	0.03950	U	**0.00725**	J	0.0405	U	0.05650	U	0.04500	U	0.04150	U	0.04850	U	0.05600	U	0.0525	U	0.04050	U	0.03500	U	0.04050	U	0.03600	U	0.025	U
	3/26/2014	**0.315**		0.00235	U	**0.289**		**0.147**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	**0.443**		**7.62**	D	**0.489**		**0.189**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/5/2015	**0.243**		**4.75**	DF[2]	**0.294**	F	**0.111**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-11	4/1/2002	0.100	U	0.1	U	**0.1**	U	0.1	U	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/16/2008	0.010	U	0.024	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	0.050	U	**0.072**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/6/2012	0.051	U	**0.03**	UBL	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.51	U	0.51	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00714	U	0.00735	U	0.00714	U	0.01310	U	0.0104	U	0.00847	U	0.00806	U	0.000459	U	0.00827	U	0.01150	U	0.00918	U	0.00847	U	0.00990	U	0.01140	U	0.0107	U	0.00827	U	0.00714	U	0.00827	U	0.00735	U	0.0051	U
	3/25/2014	0.003	U	**0.027**		0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.001510	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	0.0101	U	**0.0181**	J	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/2/2015	0.0101	UK	**0.0108**	JKF	0.002	UKF	0.0016	UK	0.00290	UK	0.0026	UK	0.00280	UK	0.00240	UK	0.00430	UK	0.0035	UK	0.00460	UK	0.00450	UK	0.00370	UK	0.00700	UKF	0.00490	UK	0.0288	UK	0.00860	UKF	0.00180	UK	0.00220	UK	0.00450	UK	0.423	UK

Table 4-4: Historical Groundwater Analytical Results

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
Type RRS		4		4		4		4				4								4						4				4													
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-12	4/1/2002	**0.390**		**1.3**		**0.43**		**0.18**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/1/2002	**0.400**		**1.4**		**0.3**		**0.1**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/15/2008	**0.034**		**0.44**		**0.022**	J	**0.024**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	**0.026**	J	**0.663**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/5/2012	**0.017**	J	**0.750**		**0.027**	J	**0.012**	J	0.052	U	0.052	U	0.052	U	0.052	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.515	U	0.103	U	0.052	U	0.052	U	0.103	U	5.15	U
	11/20/2012	**0.013**	J	**0.710**		**0.01**	J	**0.0094**	J	0.005	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	0.002	U	**0.359**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	**0.037**	J	**0.633**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	**0.015**	J	**0.847**		0.002	U	**0.00783**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.077	U	**0.601**		0.075	U	0.0729	U	0.13300	U	0.106	U	0.08650	U	0.08230	U	0.00469	U	0.0844	U	0.11800	U	0.09380	U	0.08650	U	0.10100	U	0.11700	U	0.109	U	0.08440	U	0.07290	U	0.08440	U	0.07500	U	0.0521	U
	3/26/2014	**0.010**		**0.539**		**0.00532**		**0.0138**		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/2/2014	**0.0227**	J	**0.660**		**0.0093**	J	**0.0107**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/4/2015	0.0101	U	**0.086**	F	0.002	UF	**0.0033**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-13	4/1/2002	**0.260**		**8**		**0.6**		**0.16**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/1/2002	**0.400**		**11**		**1.4**		**0.5**		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	4/14/2008	**0.059**		**9**		**0.12**		**0.045**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.5	U
	8/4/2009	**0.120**	J	**11**		**0.63**	J	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	1.01000	U	2.02	U	101	U
	3/27/2013	0.002	U	**3.37**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	
	9/5/2013	**0.052**		**6.36**	D	**0.0849**		**0.0307**	J	**0.454**		0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	
	3/26/2014	**0.022**		**4**		**0.032**		**0.0571**		0.0107	U	0.00627	U	0.00276	U	0.00193	U	0.00290	U	0.0116	U	0.00280	U	0.00193	U	0.00579	U	0.00224	U	0.06670	U	0.00343	U	0.00661	U	0.00941	U	0.00633	U	0.00274	U	0.148	U
	9/2/2014	**0.0319**	J	**3.87**	D	**0.0782**		**0.0517**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/5/2015	**0.0206**	J	**3.29**	DF	**0.101**	F	**0.0507**		0.00290	U	0.0026	U	0.00280	U	0.00430	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-14	4/10/2003	**0.200**		**0.1**		**0.1**	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	NM		NM		NM		2.0	U
	4/14/2008	0.010	U	**0.18**		**0.004**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/4/2009	0.051	U	**0.028**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.510	U	0.102	U	0.051	U	0.051	U	0.102	U	5.10	U
	7/12/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.505	U	0.102	U	0.051	U	0.051	U	0.102	U	5.10	U
	4/4/2012	0.051	U	**0.011**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051 U	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	3/26/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	0.076	U	0.0718	U	0.0738	U	0.0718	U	0.13100	U	0.105	U	0.08510	U	0.08100	U	0.00462	U	0.0831	U	0.11600	U	0.09230	U	0.08510	U	0.09950	U	0.11500	U	0.108	U	0.08310	U	0.07180	U	0.08310	U	0.07380	U	0.0513	U
	3/25/2014	0.003	U	**0.243**		0.00134	U	**0.00702**		0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.00153	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/4/2014	0.0101	U	0.311		0.002	U	**0.0025**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/4/2015	0.0101	U	**0.179**	F	**0.0026**	JF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-15	4/10/2003	**6.800**		**1.1**		**0.7**		**1.3**		0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	NM		NM		NM		2.0	U
	4/16/2008	**0.058**		**0.37**		**0.007**	J	**0.042**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.103**		**0.565**		**0.01**	J	**0.067**		0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	4/5/2012	**0.041**	J	**0.47**		**0.00706**	UBL	0.051	U	**0.066**	J	0.051	U	0.051	U	**0.013**	J	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/25/2013	**0.080**		**0.347**		0.0009	U	**0.0418**	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	DRY
	6/5/2013	DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	
	9/4/2013	0.010	U	**0.39**		**0.0162**	J	**0.00748**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	**0.00588**	J	0.00450	U	0.423	U
	12/4/2013	0.077	U	**0.264**		0.0746	U	0.0725	U	0.13300	U	0.106	U	0.08600	U	0.08190	U	0.00466	U	0.0839	U	0.11700	U	0.09330	U	0.08600	U	0.10100	U	0.11600	U	0.109	U	0.08390	U	0.07250	U	0.08390	U	0.07460	U	0.0518	U
	3/27/2014	0.031	U	**0.159**		0.0133	U	0.0171	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/2/2014	0.010	U	**0.218**		**0.0105**	J	**0.00287**	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/3/2015	0.010	U	**0.357**	F	**0.0849**	F	**0.006**	J	0.00290	U	0.0026	U	0.00280	U	0.00430	U	0.00430	U	0.0035	U	0.00446	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-16	4/10/2003	**11.400**		**0.9**		**0.9**		**2.3**		0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	NM		NM		NM		2.0	U
	4/16/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	7/11/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	4/5/2012	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.575	U	0.115	U	0.575	U	0.575	U	0.115	U	5.75	U
	3/27/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	**0.204**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.076	U	0.0722	U	0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/26/2014	0.031	U	0.0235	U	0.0133	U	0.0489	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/3/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/3/2015	0.0100	U	0.00228	UF	0.00198	UF	0.00158	U	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	UF	0.00257	U	0.0285	U	0.00851	UF	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-17	4/16/2008	0.010	U	**0.25**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/4/2009	**0.017**	J	**0.37**		**0.36**		**0.011**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.101	U	0.051	U	0.101	U	5.05	U
	7/13/2011	0.051	U	**0.42**		0.051	U	**0.0053**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	4/6/2012	0.051	U	**0.013**	UBL	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.101	U	0.051	U	0.101	U	5.05	U
	11/20/2012	**0.010**	J	**0.37**		**0.032**	J	**0.011**	J	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	0.002	U	**0.3**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	**0.388**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.39**		**0.0162**	J	**0.00748**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	**0.00588**	J	0.00450	U	0.423	U
	12/4/2013	0.077	U	**0.264**		0.0746	U	0.0725	U	0.13300	U	0.106	U	0.08600	U	0.08190	U	0.00466	U	0.0839	U	0.11700	U	0.09330	U	0.08600	U	0.10100	U	0.11600	U	0.109	U	0.08390	U	0.07250	U	0.08390	U	0.07460	U	0.0518	U
	3/27/2014	0.031	U	**0.159**		0.0133	U	0.0171	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/2/2014	0.010	U	**0.218**		**0.0105**	J	**0.00287**	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/3/2015	0.010	U	**0.357**	F	**0.0849**	F	**0.006**	J	0.00290	U	0.0026	U	0.00280	U	0.00430	U	0.00430	U	0.0035	U	0.00446	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U

Table 4-4: Historical Groundwater Analytical Results

	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
Site-Specific RRS Values		0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
Type RRS		4		4		4		4				4								4						4				4													
Well ID	**Sample Date**	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag	Conc (µg/L)	Flag
MW-18	8/6/2009	0.051	U	**0.375**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.051	U	0.101	U	5.05	U
	7/15/2011	0.050	U	**0.23**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.100 U	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/5/2012	0.052	U	**0.4**		0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	**0.025**	J	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.515	U	0.103	U	0.052	U	0.052	U	0.103	U	5.15	U
	3/25/2013	**0.033**	J	**0.882**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	**0.472**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.409**	J	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.00680**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.076	U	**0.463**		0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/26/2014	0.030	U	**0.356**		0.0127	U	0.0164	U	0.05350	U	0.0313	U	0.01380	U	0.00963	U	0.01450	U	0.0581	U	0.01400	U	0.01700	U	0.02890	U	0.01120	U	0.33300	U	0.0171	U	0.03310	U	0.04700	U	0.48100	U	0.01370	U	0.74	U
	9/4/2014	0.010	U	**0.102**		0.00198	U	**0.00327**	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	UX	0.00218	U	0.00446	U	0.419	U
	3/4/2015	0.010	U	**0.111**	F	0.00198	U	0.00158	U	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	UF	0.00485	U	0.0285	U	0.00851	UF	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-19	8/6/2009	**0.009**	J	**0.113**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.012**	J	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	4/5/2012	0.051	U	**0.036**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.08**		0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	3/25/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.076	U	0.0718	U	0.0738	U	0.0718	U	0.13100	U	0.105	U	0.08510	U	0.08100	U	0.00462	U	0.0831	U	0.11600	U	0.09230	U	0.08510	U	0.09950	U	0.11500	U	0.108	U	0.08310	U	0.07180	U	0.08310	U	0.07380	U	0.0513	U
	3/27/2014	0.003	U	**0.074**		0.0013	U	**0.0109**		0.00545	U	0.0032	U	0.00141	U	0.00098	U	0.00148	U	0.00592	U	0.00143	U	0.00174	U	0.00295	U	0.00114	U	0.03400	U	0.00175	U	0.00337	U	0.00480	U	0.00323	U	0.00140	U	0.0754	U
	9/4/2014	0.010	U	**0.0762**		**0.00515**	J	**0.00891**	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	..00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/4/2015	0.010	U	**0.0288**	JF	**0.0175**	JF	0.00784	J	0.00291	U	0.00261	U	0.00281	U	0.00241	U	0.004320	U	0.00352	U	0.00462	U	0.00452	U	0.00372	U	0.00704	UF	0.00492	U	0.0289	U	0.00864	UF	0.00181	U	0.00221	U	0.00452	U	0.425	U
MW-20	8/6/2009	**2.500**	U	**25.7**		**2.5**	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	5.00	U	5	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	25	U	5.00	U	2.5	U	2.5	U	5.00	U	250	U
	7/12/2011	**0.460**	J	**16**		**5.9**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	0.051	U	0.051	U	1.02	U	51	U
	4/5/2012	**0.204**	J	**10.4**		**2.4**	UBL	**0.076**	J	0.532	U	0.532	U	0.532	U	0.532	U	1.06	U	1.06	U	1.06	U	1.06	U	1.06	U	**0.103**	J	1.06	U	0.532	U	1.06	U	0.532	U	0.532	U	1.06	U	53.2	U
	11/21/2012	0.005	U	**1.9**	*	0.0048	U	0.0057	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0096	U	0.0096	U	0.0048	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0048	U	0.0048	U	0.0096	U	0.96	U
	3/27/2013	**0.079**		**5.48**		**0.392**		**0.0336**	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	**0.033**	J	**4.15**		**0.158**		0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	0.010	U	**2.21**	D	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.153	U	**27.7**		**0.148**	U	0.144	U	0.26400	U	0.21	U	0.17100	U	0.16300	U	**0.01880**	J	0.167	U	0.23300	U	0.18600	U	0.17100	U	0.20000	U	0.23100	U	0.216	U	0.16700	U	0.14400	U	0.16700	U	0.14800	U	0.103	U
	3/27/2014	0.031	U	**2.64**		**0.0229**		0.0169	U	0.05510	U	0.0323	U	0.01420	U	0.00991	U	0.01500	U	0.0598	U	0.01440	U	0.01750	U	0.02980	U	0.01150	U	0.34300	U	0.0176	U	0.03410	U	0.04840	U	0.03260	U	0.01410	U	0.762	U
	9/3/2014	**0.0803**		**12.4**	D	**0.469**		**0.074**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/5/2015	**0.0106**	J	**4.71**	DF	**0.0521**	F	**0.0171**	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-21	8/6/2009	**0.576**		**7.46**		**0.5**	U	**0.35**	J	0.5	U	0.5	U	0.5	U	0.5	U	1.0	U	1	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.00	U	0.5	U	0.5	U	1.00	U	50	U
	7/12/2011	**0.210**	J	**5.8**		**0.42**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	0.051	U	0.051	U	1.02	U	51	U
	4/5/2012	0.115	U	**1.9**		**0.05**	UBL	**0.021**	J	0.115	U	0.115	U	0.115	U	**0.01**	J	0.115	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	1.15	U	0.23	U	0.115	U	0.115	U	0.23	U	11.5	U
	11/21/2012	**0.130**		**6.6**	*	**0.46**	J*	**0.051**		0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0096	U	0.0096	U	0.0048	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0048	U	0.0048	U	0.0096	U	0.96	U
	3/27/2013	0.002	U	**0.44**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	**0.414**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	**0.286**		0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.076	U	**2.53**		0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/27/2014	0.031	U	**0.856**		0.0133	U	0.0171	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/5/2014	**0.359**		**5.52**	D	**0.574**		**0.280**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/5/2015	**0.081**		**3.44**	DF	**0.283**	F	**0.088**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.02090**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-22	4/5/2012	**1.520**	J	**33.2**		**6.4**	UBL	**0.705**	J	2.53	U	2.53	U	2.53	U	2.53	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	25.3	U	5.05	U	5.05	U	2.53	U	5.05	U	253	U
	11/20/2012	**1.300**	*	**24.4**	**	**2.6**	*	**0.54**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	**3.7**	
	3/27/2013	**1.090**		**18.8**		**0.818**		**0.776**		0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	**0.833**		**31.7**		**1.79**		**0.446**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	**1.100**	D	**33.7**	DX	**0.725**		**0.382**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.0521**	J	0.0035	U	**0.0637**	J	0.00450	U	**0.0388**	J	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.999**		**37.4**	X	**1.39**		**0.489**		0.2610	U	0.208	U	0.1690	U	0.1610	U	**0.03040**	J	0.165	U	0.2310	U	0.1840	U	0.1690	U	0.1980	U	0.2290	U	0.2140	U	0.1650	U	0.1430	U	0.1650	U	0.1470	U	0.1020	U
	3/27/2014	**0.284**		**14.3**		**0.212**		**0.166**		0.0535	U	0.0313	U	0.0138	U	0.0096	U	0.01450	U	0.0581	U	0.0140	U	0.0170	U	0.0289	U	0.0112	U	0.3330	U	0.0171	U	0.0331	U	0.0470	U	0.0317	U	0.0137	U	0.7400	
	9/5/2014*[4]	**1.01**	D	**37.098**	D	**22.4**	D	**0.365**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
	3/6/2015	**0.48**		**21.6**	DF	**9.53**	DF	**0.204**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-23	9/5/2014	**0.0227**	J	**5.17**	D	**0.0174**	J	**0.0517**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	3/5/2015	**0.0189**	J	**4.63**	DF	**0.0316**	JF	**0.0528**		0.00290	U	0.0026	U	0.00290	U	0.00430	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00460	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-24	3/3/2015	0.0101	U	**0.0041**	JF	0.002	UF	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	UF	0.00490	U	0.0288	U	0.00860	UF	0.00180	U	0.00220	U	0.00450	U	0.423	U

Sources: Analytical results from March 2013 to March 2015 are from samples directly collected by EIC. Historical data prior to March 2013 from CH2MHill 2008, 2009, and 2012 Groundwater Reports and Law Engineering 2001-2003 Compliance Status Reports and Addendums

Notes:

MNA = Monitored Natural Attenuation.
RRS = Risk Reduction Standard.
TOC = Total Organic Carbon.
ug/L = Micrograms per liter.
mg/L = Milligrams per liter.
NA = Not Applicable.
18.8 = Results exceeds RRS.

1.60 = Results above detection limit.
J = Target analyte concentration was positively identified below the quantitation limit and above the detection limit.
U = Analyte was not detected.
UBL = Value not certain because of detection in equipment blank.
D = The sample was diluted due to targets detected over the highest point of the calibration curve
X = A laboratory QC deficiency was observed in quality control review of data
F = Relative percent difference exceeded lab control limits

NL = Well not located
NS = Well not sampled
NM = Contaminant not measured.
DRY = Well was dry and therefore could not be sampled
*= Results from Run #2.
**= Results from Run #3.
***= Primary and confirmation results differ by more than 40%. Lower value reported due to possible correlation.
*[4] = Result for beta-BHC was adjusted based on tubing rinsate sample, see Xenco lab report number 492804

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

SITE CONCEPTUAL MODEL REPORT

FIGURES

Legend

- MONITORING WELL
- STILLING WELL
- MW-18 MONITORING WELL ID
- N.L. NOT LOCATED

SITE FEATURES

- BULKHEAD
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400 Feet

DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 4/17/2015
DRAWN BY: W.G.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 1-1: SITE MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009

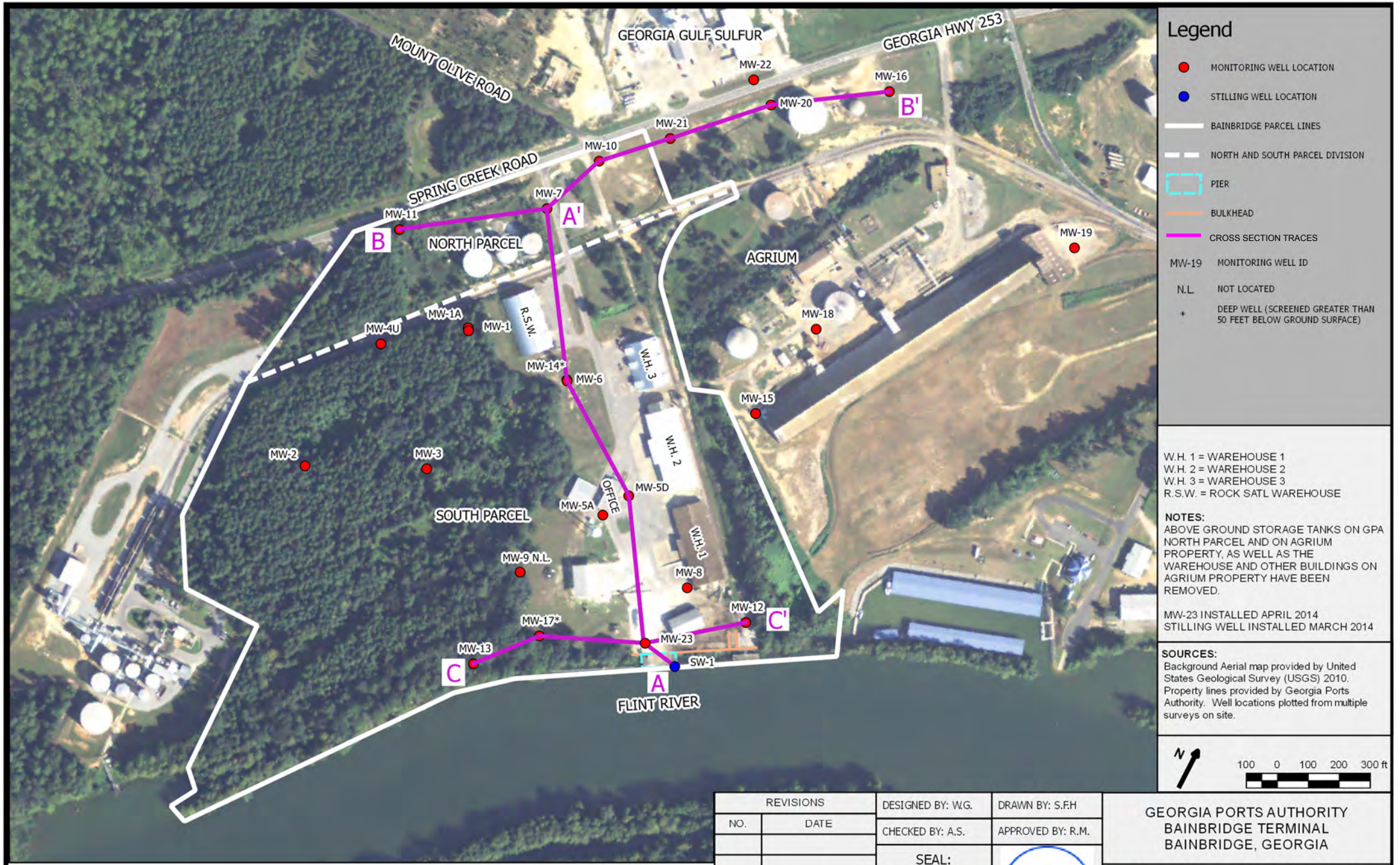
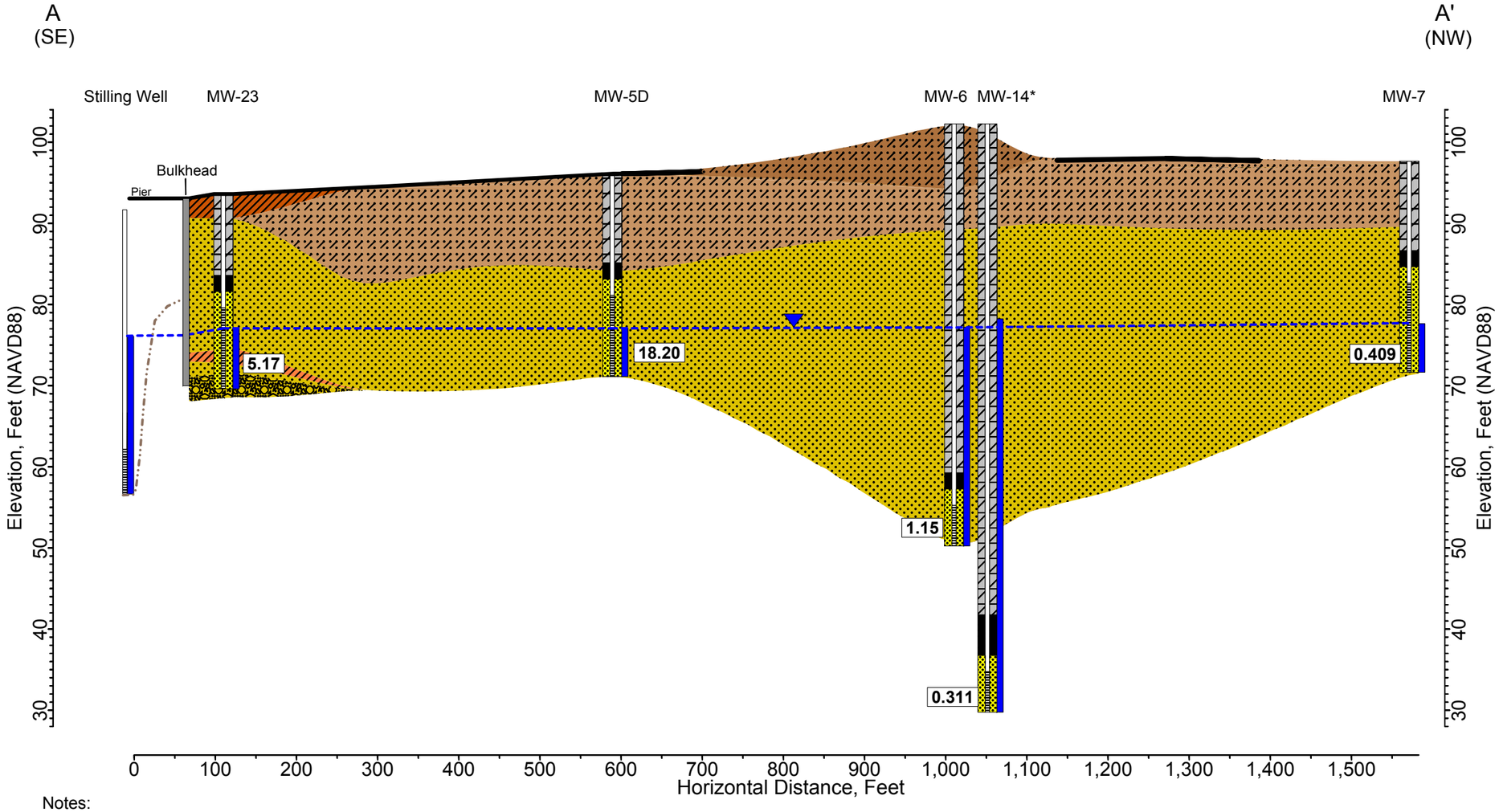


FIGURE 2-1: Hydrogeological Cross-Sections Trace Map

REVISIONS		DESIGNED BY: W.G.	DRAWN BY: S.F.H	GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE, GEORGIA	
NO.	DATE	CHECKED BY: A.S.	APPROVED BY: R.M.		
		SEAL:	EIC	ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009	
		Scale: SEE BAR	Date: 09/29/2014	File: 400007 - 4.5 - GPA BAINBRIDGE	SHEET NO.: 1

Figure 2-2: A-A' (Southeast to Northwest) Hydrogeological Cross-Section, GPA, Bainbridge, GA



Legend

Lithology

- BACKFILL (SAND WITH CLAY)
- CLAY
- ENGINEERED BACKFILL (CLAY)
- SAND
- SAND WITH CLAY
- SAND WITH GRAVEL

Well Construction

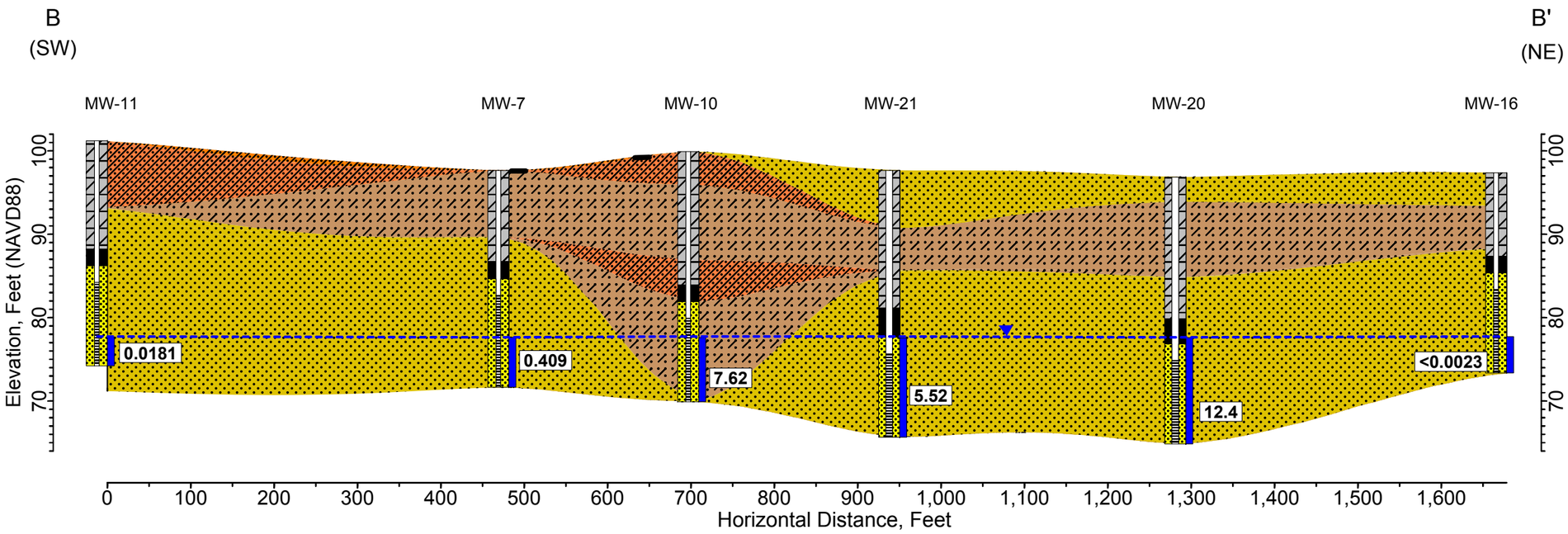
- BENTONITE SEAL
- CEMENT GROUT
- PVC CASING
- PVC SCREEN
- SAND FILTER PACK

- Estimated River Bottom/Bank
- Interpolated Water Surface (September 2014)
- Impermeable Surfaces
- Water Column (September 2014)
- Bulkhead
- 5.05 Beta-BHC Concentration September 2014 (ug/L)

Notes:
Hydrogeological cross section is based on lithological data logs and well construction diagrams prepared by various consultants for each monitoring well. Lithology was correlated utilizing Rockworks 2006 stratigraphy modeling software by Rockware. Bulkhead coordinates determined during EIC site survey, depth and approximate river bank elevation determined from Thomas and Hutton Engineers 1958 as-built drawing and 1956 Bulkhead and Pile Details, GPA reference 02-45-99-023 and 02-45-99-005. Bulkhead and well construction logs are horizontally exaggerated to show detail. All wells have a 2-inch diameter PVC casing.
*Lithology and groundwater level at MW-14 is not considered.

GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE GEORGIA	EIC	SEAL:	DESIGNED BY:	W.G.	DATE:	9/10/2014	FILE: 400007: 4.5
			DRAWN BY:	S.F.H	REVISION:	DATE:	SHEET NO.: 1 of 1
ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009			CHECKED BY:	A.S.			VERTICAL EXAGERATION = 10X
			APPROVED BY:	R.M.			

Figure 2-3: B-B' (Southwest to Northeast) Hydrogeological Cross-Section, GPA, Bainbridge, GA



Legend

Lithology
- CLAY WITH SAND
- SAND
- SAND WITH CLAY

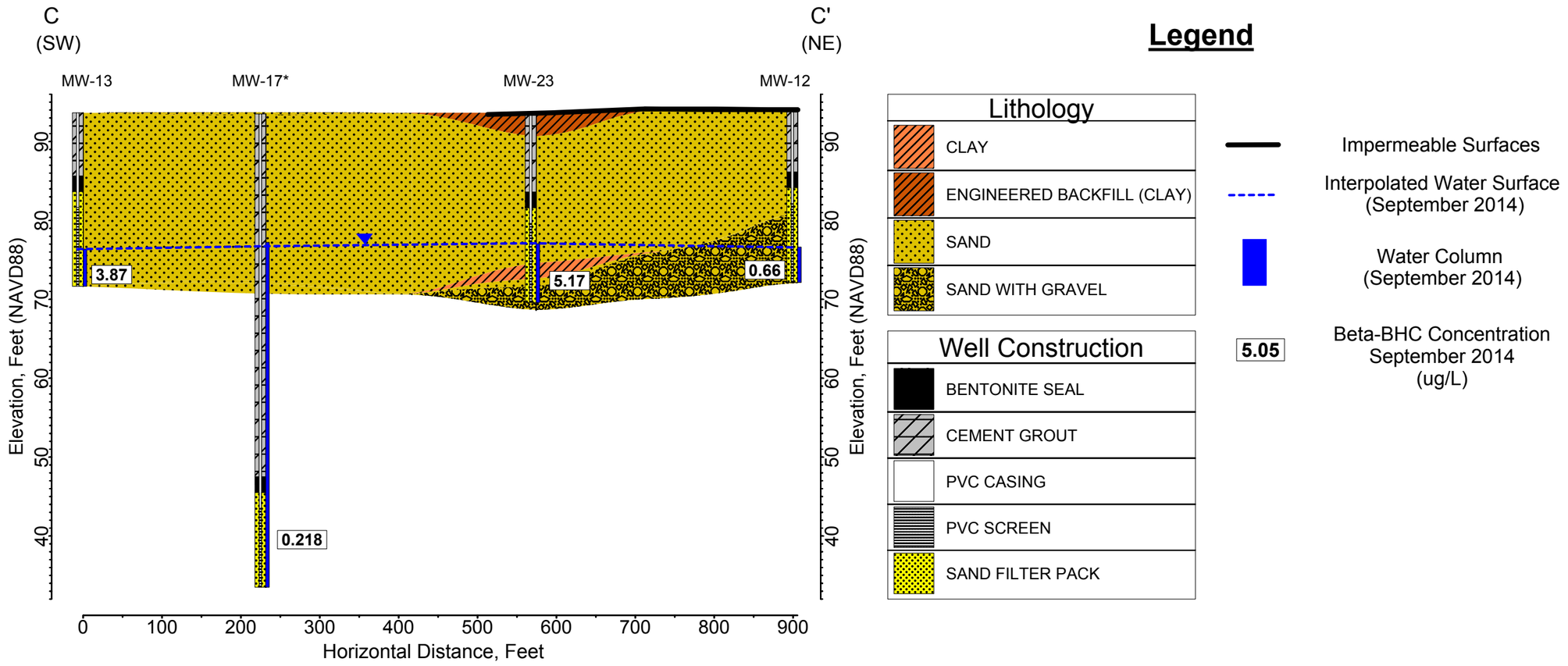
Well Construction
- BENTONITE SEAL
- CEMENT GROUT
- PVC CASING
- PVC SCREEN
- SAND FILTER PACK

- Impermeable Surfaces
- Interpolated Water Surface (September 2014)
- Water Column (September 2014)
- **5.05** Beta-BHC Concentration September 2014 (ug/L)

Notes:
Hydrogeological cross section is based on lithological data logs and well construction diagrams prepared by various consultants for each monitoring well. Lithology was correlated utilizing Rockworks 2006 stratigraphy modeling software by Rockware. Well construction logs are horizontally exaggerated to show detail. All wells have a 2-inch diameter PVC casing.

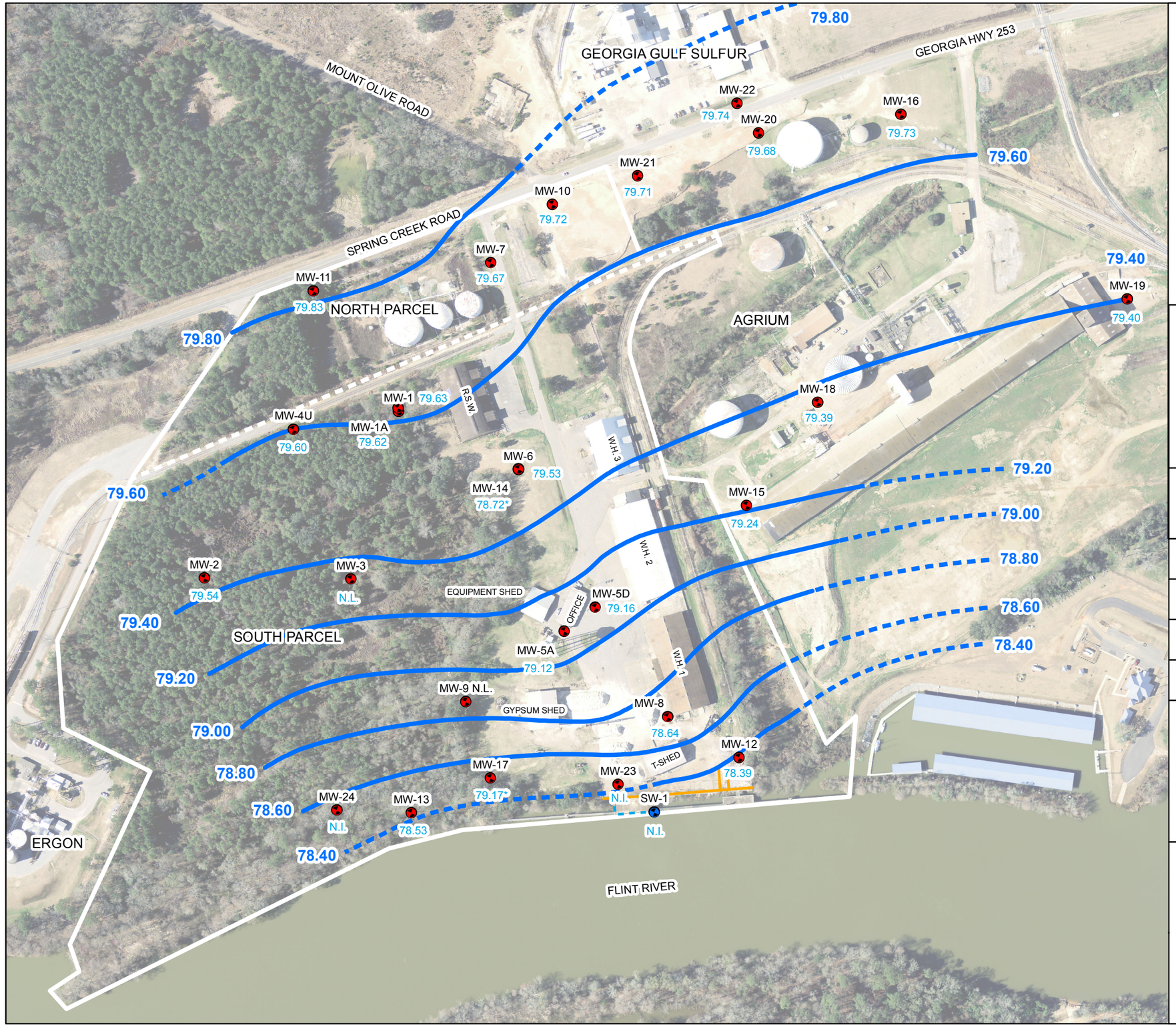
GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE GEORGIA	EIC	SEAL:	DESIGNED BY:	W.G.	DATE:	9/10/2014	FILE:	400007: 4.5
			DRAWN BY:	S.F.H	REVISION:	DATE:	SHEET NO.:	1 of 1
ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009			CHECKED BY:	A.S.			VERTICAL EXAGERATION = 10X	
			APPROVED BY:	R.M.				

Figure 2-4: C-C' (Southwest to Northeast) Hydrogeological Cross-Section, GPA, Bainbridge, GA



Notes:
Hydrogeological cross section is based on lithological data logs and well construction diagrams prepared by various consultants for each monitoring well. Lithology was correlated utilizing Rockworks 2006 stratigraphy modeling software by Rockware. Well construction logs are horizontally exaggerated to show detail. All wells have a 2-inch diameter PVC casing.
*Lithology and groundwater level at MW-17 is not considered.

GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE GEORGIA	EIC	SEAL:	DESIGNED BY:	W.G.	DATE:	9/10/2014	FILE:	400007: 4.5
			DRAWN BY:	S.F.H	REVISION:	DATE:	SHEET NO.:	1 of 1
ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009			CHECKED BY:	A.S.			VERTICAL EXAGERATION = 10X	
			APPROVED BY:	R.M.				



Legend

- MONITORING WELL
- STILLING WELL
- MW-18 MONITORING WELL ID
- N.L. NOT LOCATED

SITE FEATURES

- BULKHEAD
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER

GROUNDWATER CONTOURS

- CONTOUR (0.2 FT.)
- ESTIMATED CONTOUR
- 78.40 GROUNDWATER CONTOUR ELEVATION (FT., NAVD 88)
- 78.94 GROUNDWATER ELEVATION (FT., NAVD 88)
- * GROUNDWATER ELEVATION NOT CONSIDERED AS WELL IS SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE
- ** GROUNDWATER ELEVATION NOT CONSIDERED DUE TO ANOMALY
- N.I. NOT INSTALLED

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

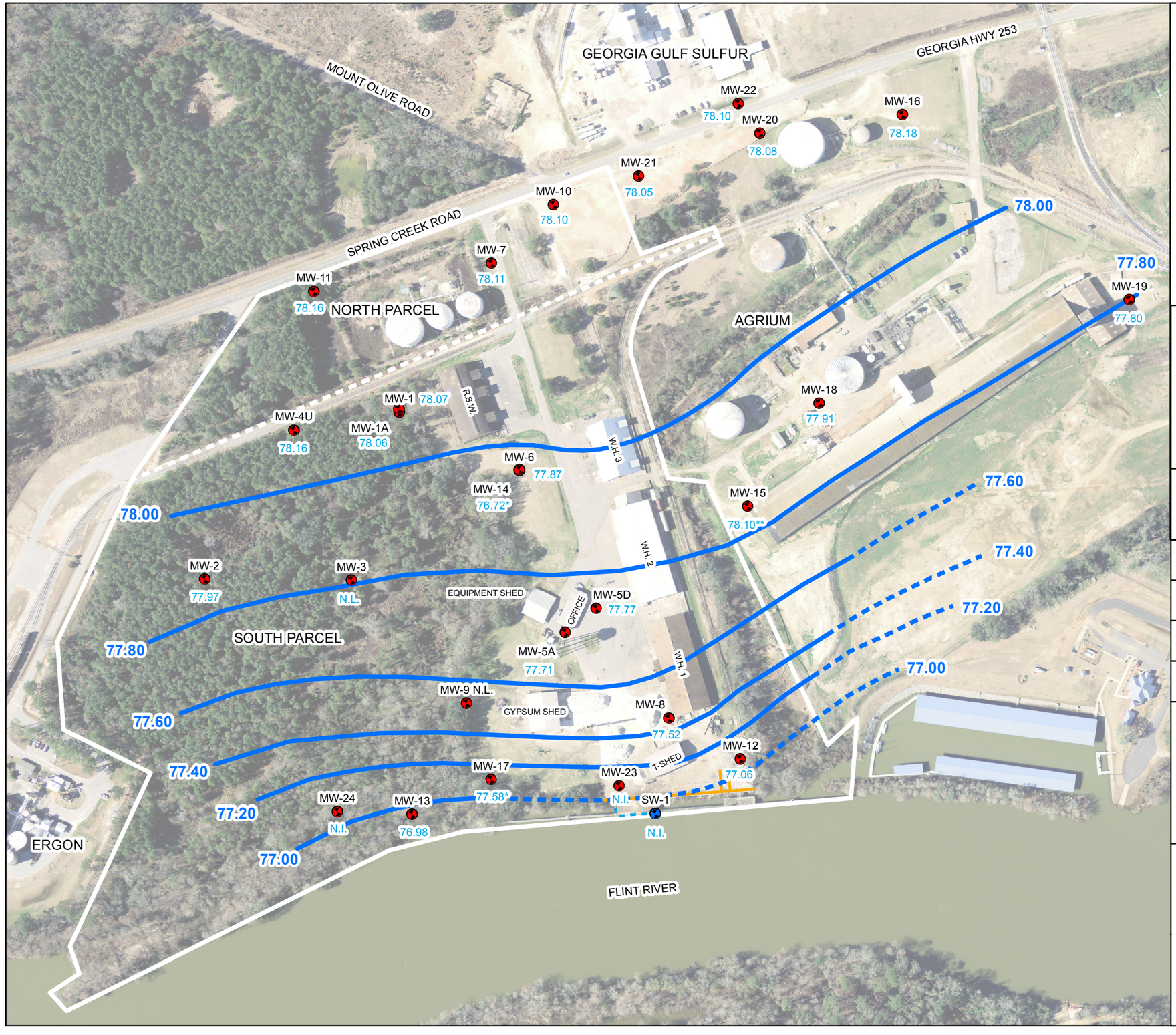
400 200 0 400 Feet

DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 5/4/2015
DRAWN BY: W.G.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 2-5: MARCH 2013 GROUNDWATER POTENTIOMETRIC SURFACE MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009



Legend

- MONITORING WELL
- STILLING WELL
- MW-18 — MONITORING WELL ID
- N.L. — NOT LOCATED

SITE FEATURES

- BULKHEAD
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER

GROUNDWATER CONTOURS

- CONTOUR (0.2 FT.)
- ESTIMATED CONTOUR
- 78.40 — GROUNDWATER CONTOUR ELEVATION (FT., NAVD 88)
- 78.94 — GROUNDWATER ELEVATION (FT., NAVD 88)
- * — GROUNDWATER ELEVATION NOT CONSIDERED AS WELL IS SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE
- ** — GROUNDWATER ELEVATION NOT CONSIDERED DUE TO ANOMALY.
- N.I. — NOT INSTALLED

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400 Feet

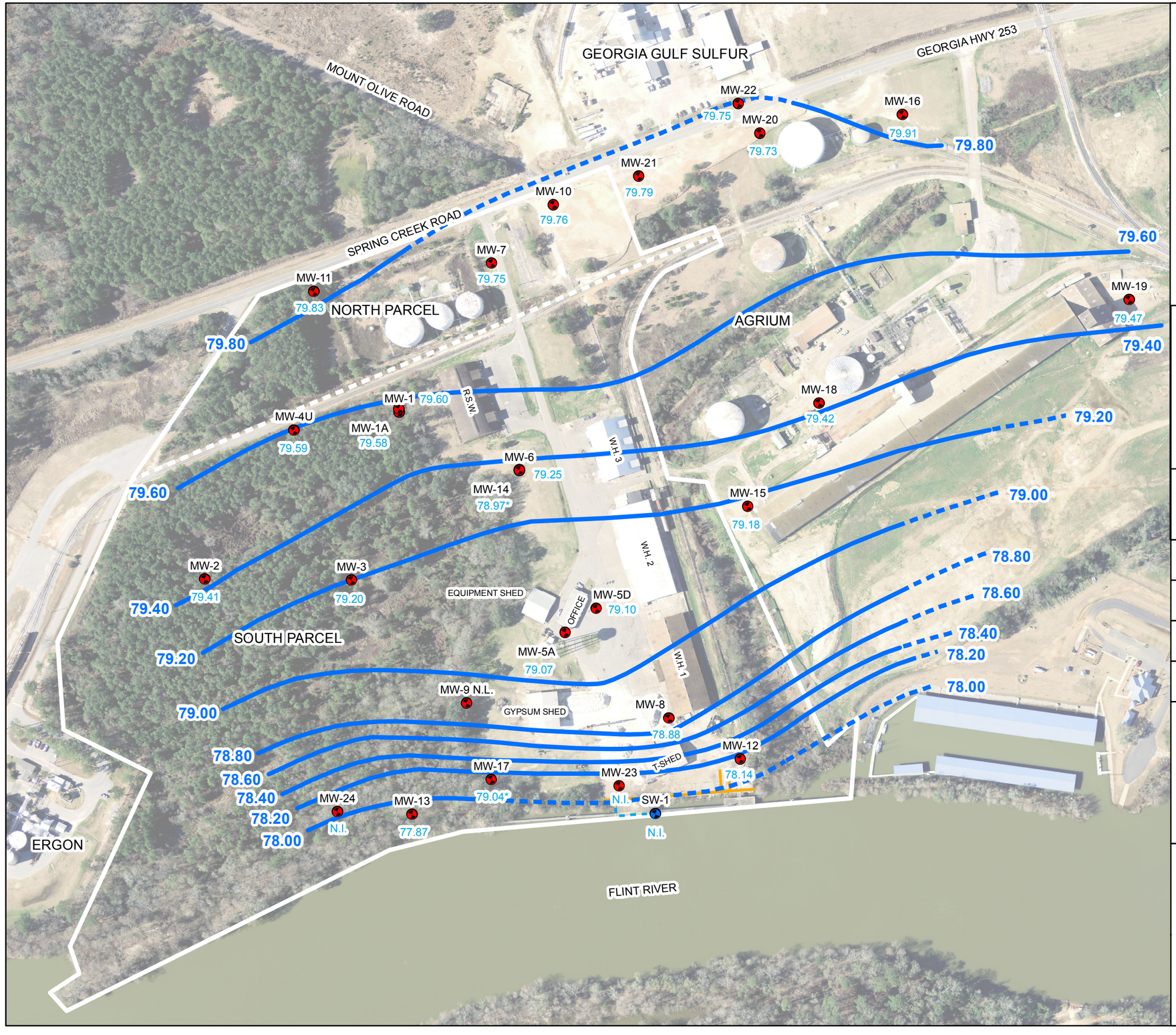
DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 5/4/2015
DRAWN BY: W.G.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 2-6: JUNE 2013 GROUNDWATER POTENTIOMETRIC SURFACE MAP

EIC

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009



Legend

MONITORING WELL

STILLING WELL

MW-18 MONITORING WELL ID

N.L. NOT LOCATED

SITE FEATURES

BULKHEAD

NORTH AND SOUTH PARCEL DIVISION

BAINBRIDGE PARCEL LINES

PIER

GROUNDWATER CONTOURS

CONTOUR (0.2 FT.)

ESTIMATED CONTOUR

78.40 GROUNDWATER CONTOUR ELEVATION (FT., NAVD 88)

78.94 GROUNDWATER ELEVATION (FT., NAVD 88)

* GROUNDWATER ELEVATION NOT CONSIDERED AS WELL IS SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE

N.I. NOT INSTALLED

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

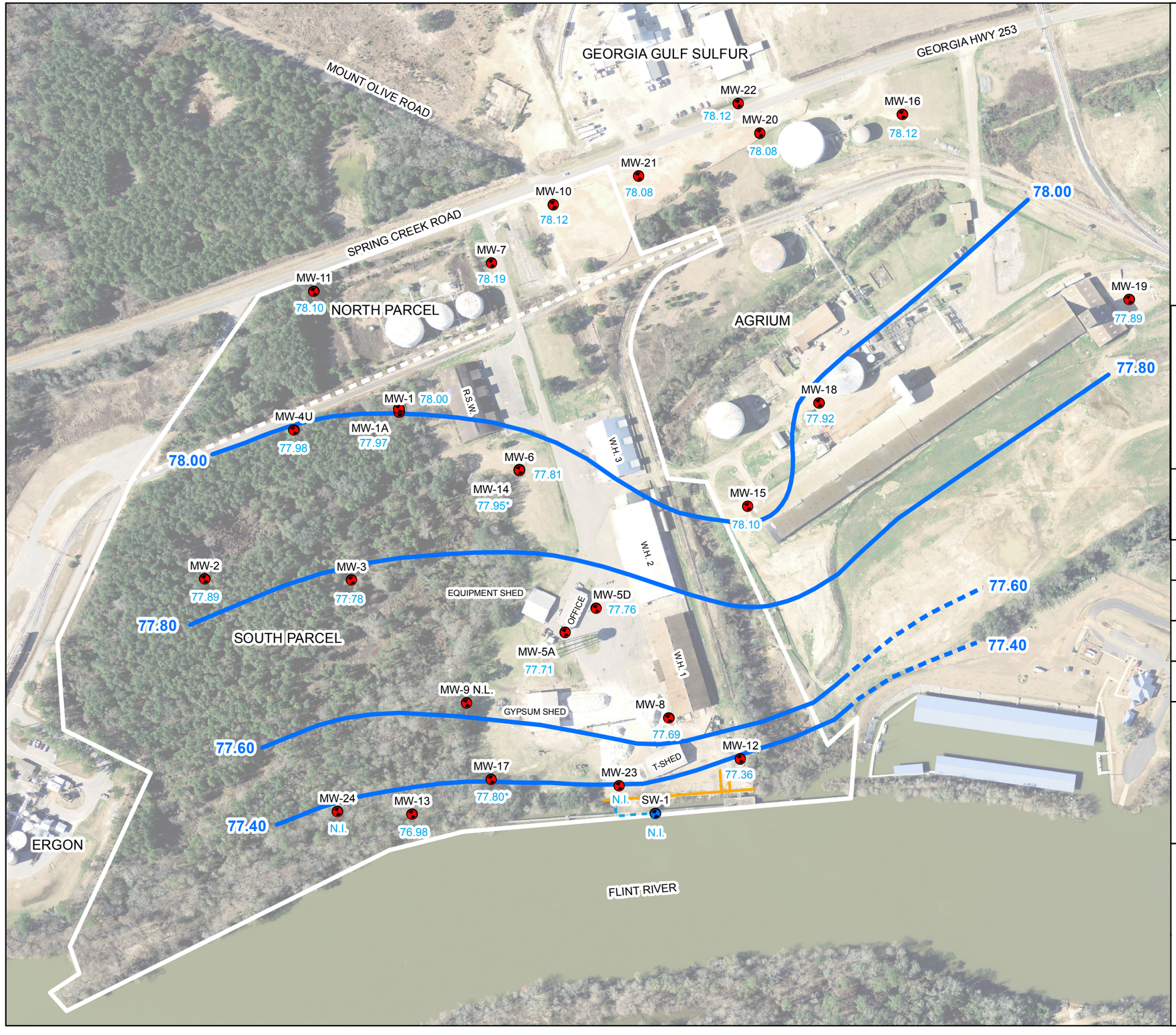
400 200 0 400 Feet

DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 5/4/2015
DRAWN BY: W.G.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 2-7: SEPTEMBER 2013 GROUNDWATER POTENTIOMETRIC SURFACE MAP

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009



Legend

- MONITORING WELL
- STILLING WELL
- MW-18 MONITORING WELL ID
- N.L. NOT LOCATED

SITE FEATURES

- BULKHEAD
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER

GROUNDWATER CONTOURS

- CONTOUR (0.2 FT.)
- ESTIMATED CONTOUR
- 78.40 GROUNDWATER CONTOUR ELEVATION (FT., NAVD 88)
- 78.94 GROUNDWATER ELEVATION (FT., NAVD 88)
- * GROUNDWATER ELEVATION NOT CONSIDERED AS WELL IS SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE
- N.I. NOT INSTALLED

NOTES:

AERIAL PHOTO WAS PROVIDED BY GPA. ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE SINCE BEEN DEMOLISHED

PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.
WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS AT SITE.

W.H. = WAREHOUSE
R.S.W. = FORMER ROCK SALT WAREHOUSE
T-SHED = TRANSPORT SHED

N

400 200 0 400 Feet

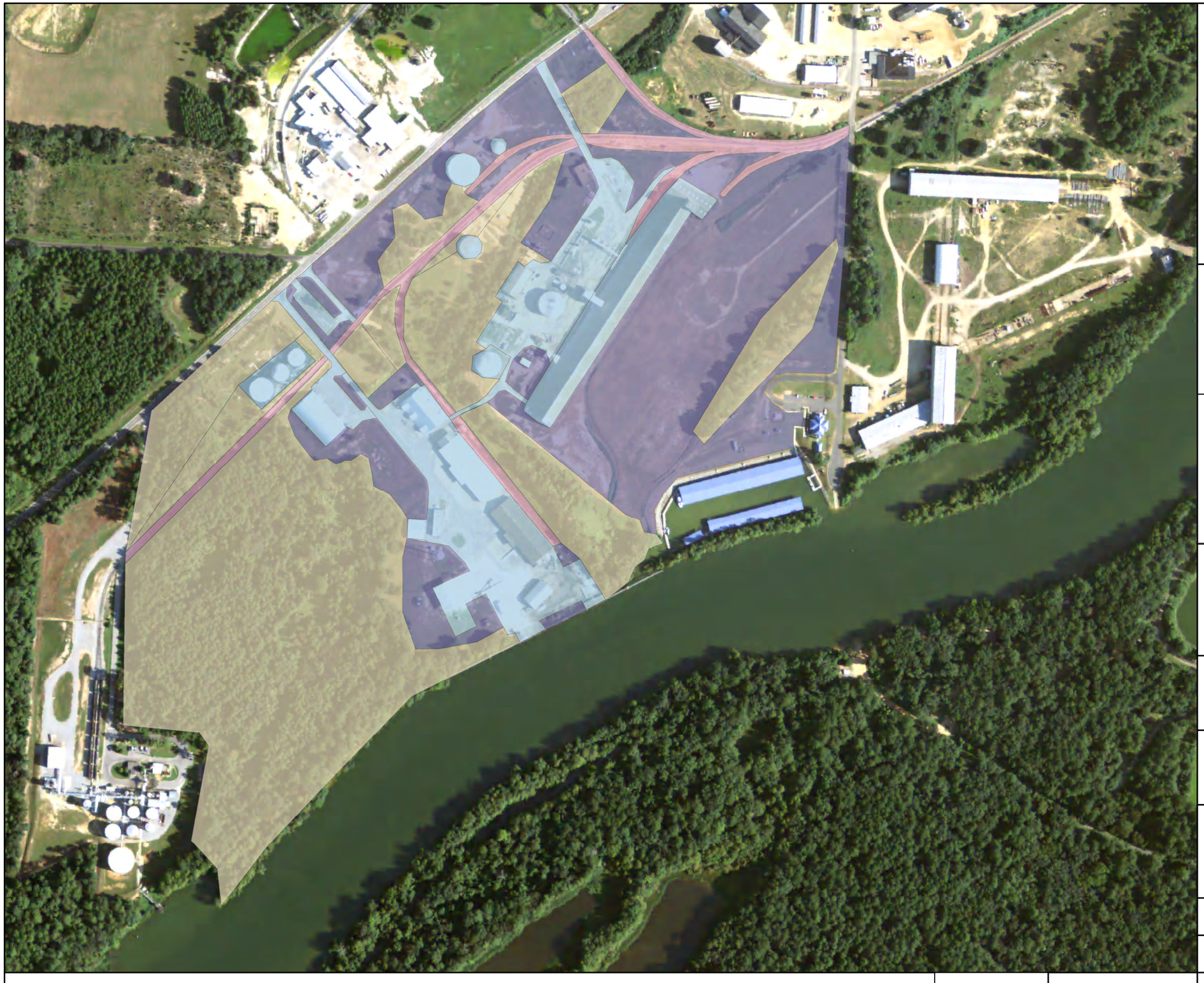
DESIGNED BY: W.G.	REVISIONS NO.	REVISIONS DATE	DATE: 5/4/2015
DRAWN BY: W.G.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 2-8: DECEMBER 2013 GROUNDWATER POTENTIOMETRIC SURFACE MAP

EIC

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE RD.
ALPHARETTA, GEORGIA 30009



Legend

Land Type

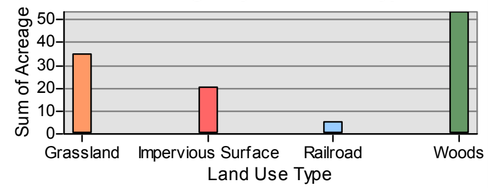
- Grassland
- Impervious Surface
- Railroad
- Woods

Area Summary by Land Use Category

Category - Acreage - Percentage of Total Land Use

Grassland - 34.8 - 30.5%
Impervious Surface - 20.2 - 17.7%
Railroads - 5.44 - 4.8%
Woodland - 53.53 - 47%

Total Acreage By Land Use Type



N

200 0 200 400

Feet

Georgia Ports Authority
Bainbridge Terminal
Bainbridge, Georgia

Environmental International Corporation
161 Kimball Bridge Road
Alpharetta, Georgia 30009

Source: Base map aerial photograph from ArcGIS google maps layer file, land use types are derived from aerial photograph.

Figure 2-9: Land Use and Area Summary GPA Bainbridge Terminal, Bainbridge, GA

EIC

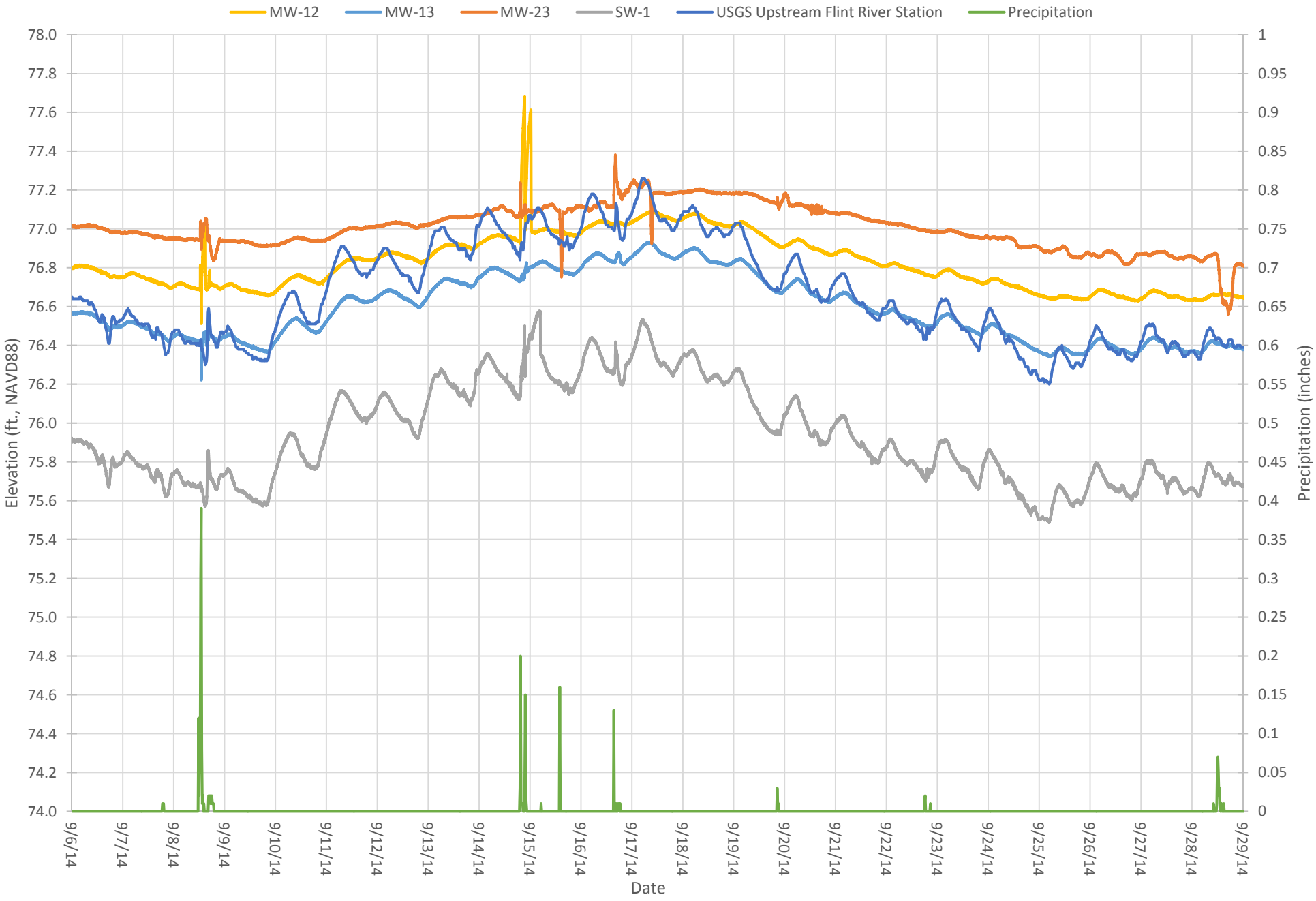
Seal:

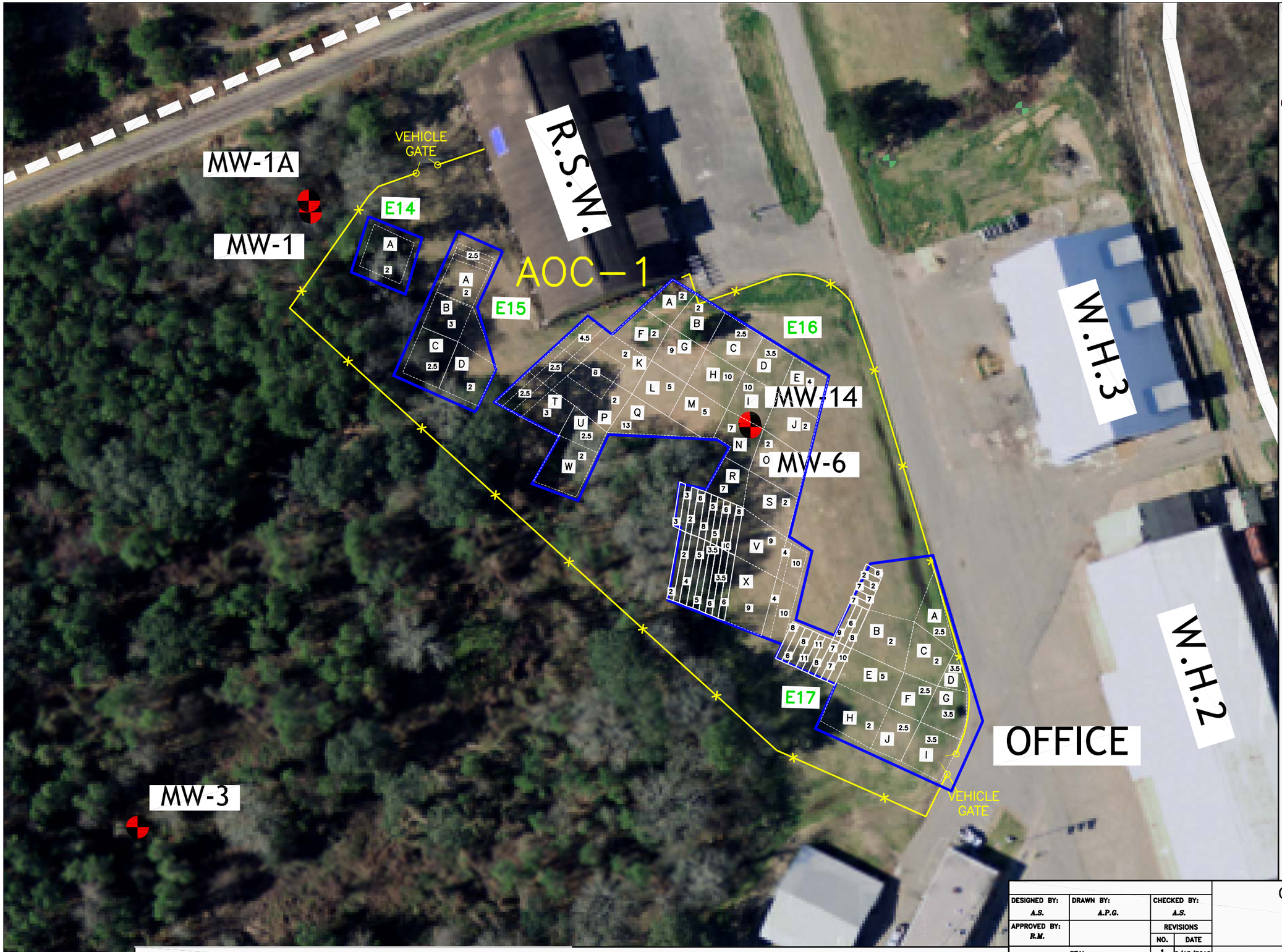
Designed By: W.G.	**Revision No.**	**Date**
Drawn By: W.G.		
Checked By: A.S,		
Approved By: R.M.		

File: 400007 - 4.5	Sheet No.: 1 of 1
Scale: See bar scale	Date: 6/6/2014

Document Path: Z:\projects\1910 project-GA\400000 GPA\Bainbridge\400007\4.5 GR\120 draft EIC reports\SCM\Groundwater Recharge\Groundwater Recharge Map.mxd

Figure 2-10: GPA Bainbridge Terminal, Flinter River Level Analysis





LEGEND:

- GPA PROPERTY LINE DIVISION SEPARATING NORTH AND SOUTH PARCELS
- MW-6 MONITORING WELL
- R.S.W. ROCK SALT WAREHOUSE
- W.H.2 WAREHOUSE 2
- W.H.3 WAREHOUSE 3
- FENCE LINE
- E16 SOIL SAMPLE ZONE
- A SAMPLE CELL IDENTIFICATION
- SAMPLE CELL BOUNDARIES
- 5 TOTAL CELL SAMPLE DEPTH (ft)
- AOC 1 BOUNDARY

SOURCE:

BASEMAP MODIFIED FROM AERIAL PHOTOGRAPH PROVIDED BY GEORGIA PORTS AUTHORITY. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY. FENCE LINE AND WELL LOCATIONS BASED ON LAND SURVEYS BY DONALDSON GARRETT & ASSOCIATES. SOIL SAMPLE GRID AND ANALYTICAL DATA PROVIDED BY CH2MHILL.

N

25 0 25 50 75

GRAPHICAL SCALE IN FEET
(APPROXIMATE)

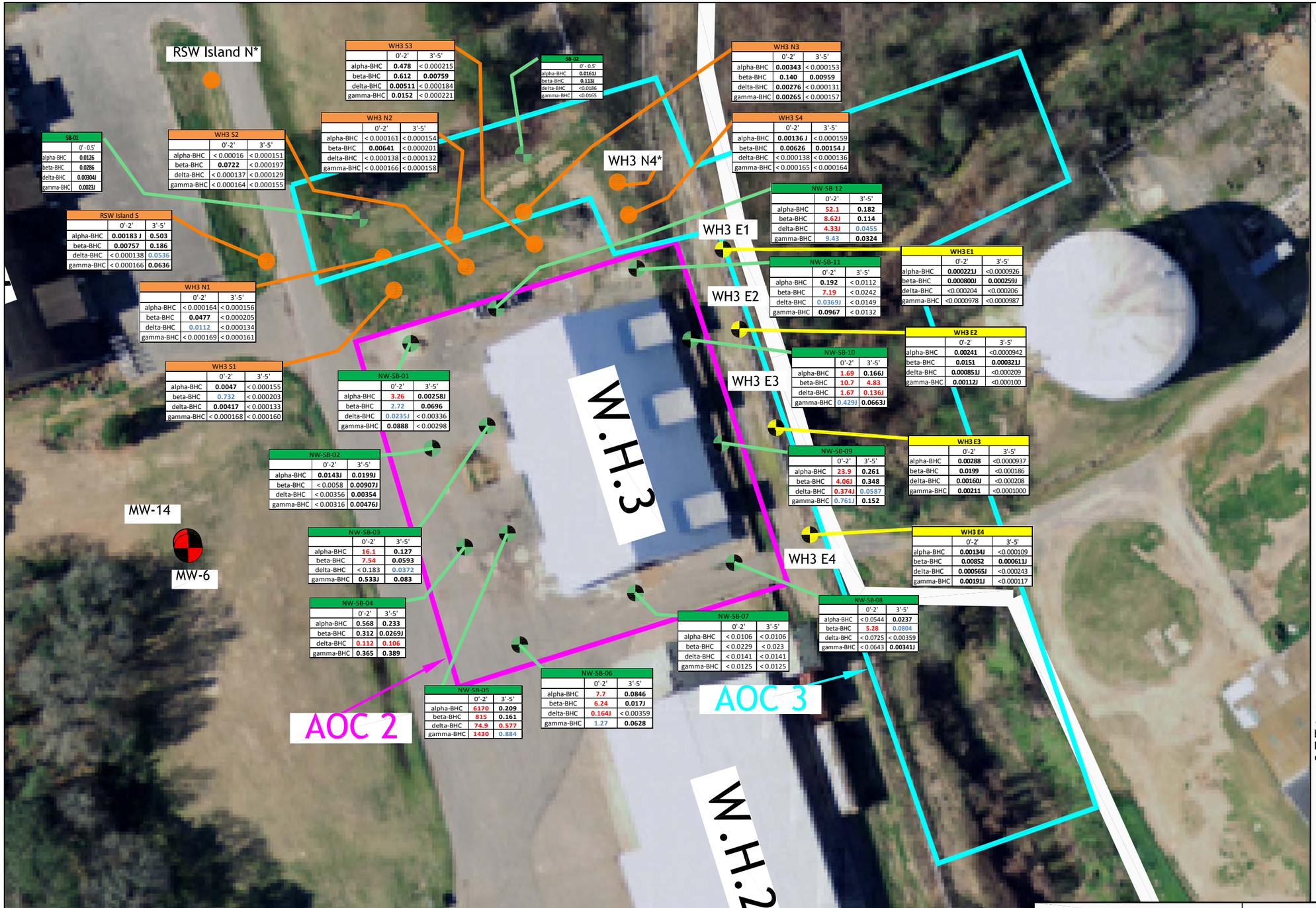
FIGURE 4-1: LOCATION OF SOIL BORINGS IN AOC-1

DESIGNED BY:	DRAWN BY:	CHECKED BY:
A.S.	A.P.G.	A.S.
APPROVED BY: R.M.		REVISIONS NO. / DATE
SEAL:		1 / 9/18/2013

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
Bainbridge, Georgia

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

SCALE:	DATE:	FILE:	SHEET NO.:
SEE BAR SCALE	12/23/2013	400007-4.3 - GPA BAINBRIDGE	



WH3 S3	0'-2'	3'-5'
alpha-BHC	**0.478**	< 0.000215
beta-BHC	**0.612**	**0.00759**
delta-BHC	**0.00511**	< 0.000184
gamma-BHC	**0.0152**	< 0.000221

SB-02	0'-0.5'
alpha-BHC	**0.016J**
beta-BHC	**0.113J**
delta-BHC	<0.0186
gamma-BHC	<0.0165

WH3 N3	0'-2'	3'-5'
alpha-BHC	**0.00343**	< 0.000153
beta-BHC	**0.140**	**0.00959**
delta-BHC	**0.00276**	< 0.000131
gamma-BHC	**0.00265**	< 0.000157

WH3 N2	0'-2'	3'-5'
alpha-BHC	< 0.000161	< 0.000154
beta-BHC	**0.00641**	< 0.000201
delta-BHC	< 0.000138	< 0.000132
gamma-BHC	< 0.000166	< 0.000158

WH3 S4	0'-2'	3'-5'
alpha-BHC	**0.00136 J**	< 0.000159
beta-BHC	**0.00626**	**0.00154 J**
delta-BHC	< 0.000138	< 0.000136
gamma-BHC	< 0.000165	< 0.000164

SB-01	0'- 0.5'
alpha-BHC	**0.0126**
beta-BHC	**0.0286**
delta-BHC	**0.00304J**
gamma-BHC	**0.0023J**

WH3 S2	0'-2'	3'-5'
alpha-BHC	< 0.00016	< 0.000151
beta-BHC	**0.0722**	< 0.000197
delta-BHC	< 0.000137	< 0.000129
gamma-BHC	< 0.000164	< 0.000155

NW-SB-12	0'-2'	3'-5'
alpha-BHC	**52.1**	**0.182**
beta-BHC	**8.62J**	**0.114**
delta-BHC	**4.33J**	0.0455
gamma-BHC	9.43	**0.0324**

RSW Island S	0'-2'	3'-5'
alpha-BHC	**0.00183 J**	**0.503**
beta-BHC	**0.00757**	**0.186**
delta-BHC	< 0.000138	0.0536
gamma-BHC	< 0.000166	**0.0636**

NW-SB-11	0'-2'	3'-5'
alpha-BHC	**0.192**	< 0.0112
beta-BHC	**7.19**	< 0.0242
delta-BHC	0.0369J	< 0.0149
gamma-BHC	**0.0967**	< 0.0132

WH3 E1	0'-2'	3'-5'
alpha-BHC	**0.000221J**	<0.0000926
beta-BHC	**0.000800J**	**0.000259J**
delta-BHC	<0.000204	<0.000206
gamma-BHC	<0.0000978	<0.0000987

WH3 N1	0'-2'	3'-5'
alpha-BHC	< 0.000164	< 0.000156
beta-BHC	**0.0477**	< 0.000205
delta-BHC	0.0112	< 0.000134
gamma-BHC	< 0.000169	< 0.000161

NW-SB-10	0'-2'	3'-5'
alpha-BHC	**1.69**	**0.166J**
beta-BHC	**10.7**	**4.83**
delta-BHC	**1.67**	**0.136J**
gamma-BHC	0.429J	**0.0663J**

WH3 E2	0'-2'	3'-5'
alpha-BHC	**0.00241**	<0.0000942
beta-BHC	**0.0151**	**0.000321J**
delta-BHC	**0.000851J**	<0.000209
gamma-BHC	**0.00112J**	<0.000100

WH3 S1	0'-2'	3'-5'
alpha-BHC	**0.0047**	< 0.000155
beta-BHC	0.732	< 0.000203
delta-BHC	**0.00417**	< 0.000133
gamma-BHC	< 0.000168	< 0.000160

NW-SB-01	0'-2'	3'-5'
alpha-BHC	**3.26**	**0.00258J**
beta-BHC	2.72	**0.0696**
delta-BHC	0.0235J	< 0.00336
gamma-BHC	**0.0888**	< 0.00298

NW-SB-09	0'-2'	3'-5'
alpha-BHC	**23.9**	**0.261**
beta-BHC	**4.06J**	**0.348**
delta-BHC	**0.374J**	0.0587
gamma-BHC	0.761J	**0.152**

WH3 E3	0'-2'	3'-5'
alpha-BHC	**0.00288**	<0.0000937
beta-BHC	**0.0199**	<0.000186
delta-BHC	**0.00160J**	<0.000208
gamma-BHC	**0.00211**	<0.0001000

NW-SB-02	0'-2'	3'-5'
alpha-BHC	**0.0143J**	**0.0199J**
beta-BHC	< 0.0058	**0.00907J**
delta-BHC	< 0.00356	**0.00354**
gamma-BHC	< 0.00316	**0.00476J**

NW-SB-03	0'-2'	3'-5'
alpha-BHC	**16.1**	**0.127**
beta-BHC	**7.54**	**0.0593**
delta-BHC	< 0.183	0.0372
gamma-BHC	**0.533J**	**0.083**

WH3 E4	0'-2'	3'-5'
alpha-BHC	**0.00134J**	<0.000109
beta-BHC	**0.00852**	**0.000611J**
delta-BHC	**0.000565J**	<0.000243
gamma-BHC	**0.00191J**	<0.000117

NW-SB-04	0'-2'	3'-5'
alpha-BHC	**0.568**	**0.233**
beta-BHC	**0.312**	**0.0269J**
delta-BHC	**0.112**	**0.106**
gamma-BHC	**0.365**	**0.389**

NW-SB-07	0'-2'	3'-5'
alpha-BHC	< 0.0106	< 0.0106
beta-BHC	< 0.0229	< 0.023
delta-BHC	< 0.0141	< 0.0141
gamma-BHC	< 0.0125	< 0.0125

NW-SB-08	0'-2'	3'-5'
alpha-BHC	< 0.0544	**0.0237**
beta-BHC	**5.28**	0.0804
delta-BHC	< 0.0725	< 0.00359
gamma-BHC	< 0.0643	**0.00341J**

NW-SB-05	0'-2'	3'-5'
alpha-BHC	**6170**	**0.209**
beta-BHC	**815**	**0.161**
delta-BHC	**74.9**	**0.577**
gamma-BHC	**1430**	0.884

NW-SB-06	0'-2'	3'-5'
alpha-BHC	**7.7**	**0.0846**
beta-BHC	**6.24**	**0.017J**
delta-BHC	**0.164J**	< 0.00359
gamma-BHC	1.27	**0.0628**

LEGEND:

- GPA PROPERTY LINE
- R.S.W. — ROCK SALT WAREHOUSE
- W.H.3 — WAREHOUSE 3
- AOC–2
- AOC–3
- EIC SOIL BORINGS, JUNE 2013
- PRE–VIRP SOIL BORINGS
- EIC SOIL BORINGS, DECEMBER 2014

NOTE: ALL CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg). VALUES IN BOLD INDICATE RESULTS ABOVE DETECTION LIMITS. ALL DECEMBER 2014 SOIL BORING LOCATIONS HAD SAMPLES TAKEN AT 0–2' and 3–5'.

* = SAMPLES NOT ANALYZED

J = COMPOUND WAS DETECTED, BUT BELOW QUANTIFICATION LIMIT. CONCENTRATION CONSIDERED ESTIMATE.

CONCENTRATION mg/kg

COC	DELINEATION	RRS
α BHC	0.66	0.66
β BHC	0.66	3.1
δ BHC	0.01	0.10
γ BHC	0.66	12

SOURCE:

Basemap modified from aerial photograph provided by Georgia Ports Authority. Property lines provided by Georgia Ports Authority. Pre–VIRP sample locations (approximate) from CH2M Hill report, 2/24/2012. Post–VIRP June 2013 sample locations based on survey by Donaldson Garret & Associates on 6/5/2013. December 2014 soil sample locations were based on December 2014 survey by DGA.

N

20 0 20 40 60 80

GRAPHICAL SCALE IN FEET
(APPROXIMATE)

FIGURE 4–2: LOCATION OF SOIL BORINGS AND SOIL SAMPLE RESULTS IN AOC–2

DESIGNED BY:	DRAWN BY:	CHECKED BY:
A.S.	W.G.	A.S.
APPROVED BY: R.M.		REVISIONS NO. / DATE

SEAL:

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
Bainbridge, Georgia

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

SCALE:	DATE:	FILE:	SHEET NO.:
SEE BAR SCALE	12/22/14	400007-4.2 – GPA BAINBRIDGE	

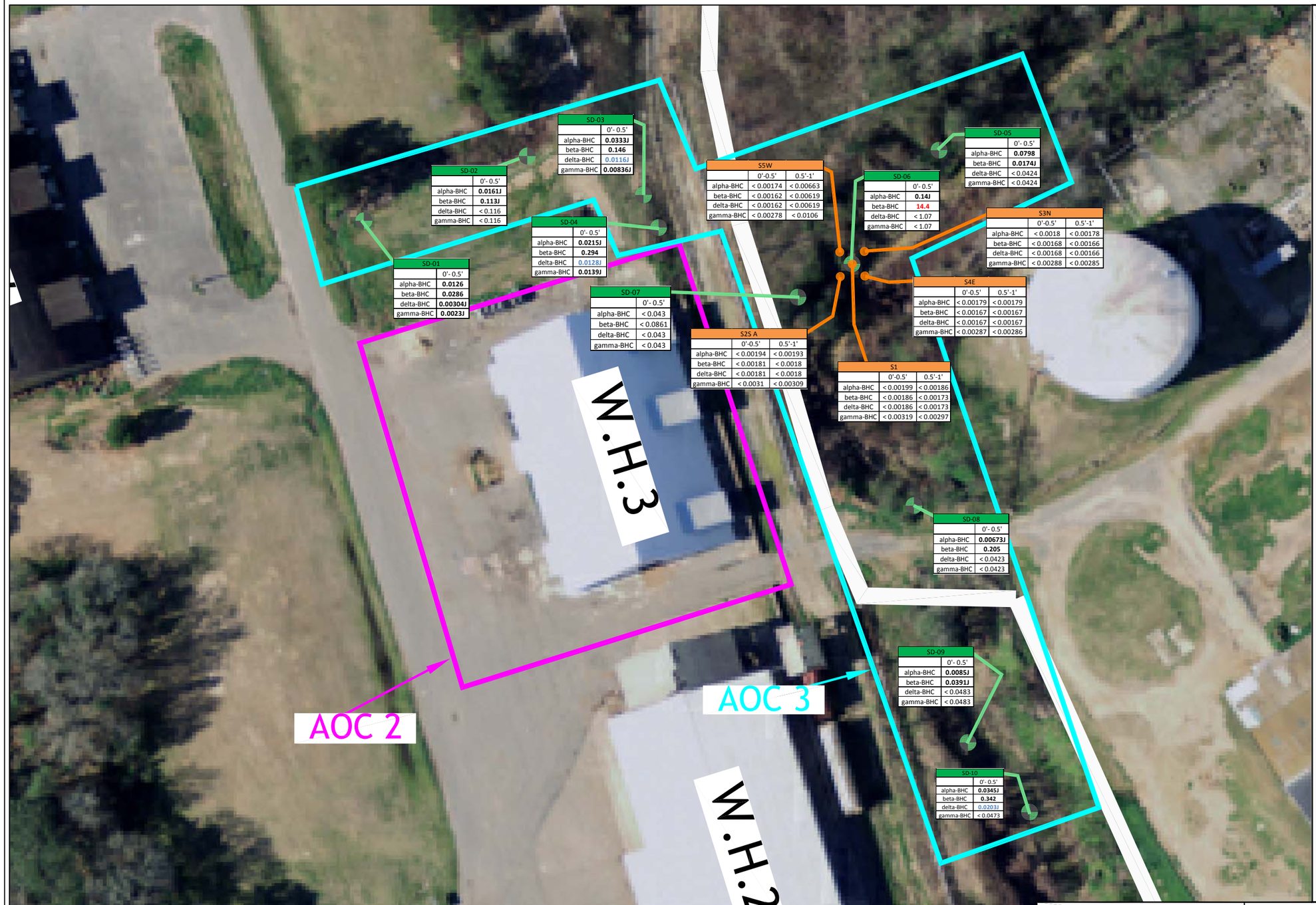


FIGURE 4–3: LOCATION OF SOIL BORINGS AND SOIL SAMPLE RESULTS IN AOC–3

LEGEND:

- GPA PROPERTY LINE
- R.S.W. — ROCK SALT WAREHOUSE
- W.H.3 — WAREHOUSE 3
- AOC–2
- AOC–3
- EIC SOIL BORINGS, JUNE 2013
- PRE–VIRP SOIL BORINGS

J = COMPOUND WAS DETECTED, BUT BELOW QUANTIFICATION LIMIT. CONCENTRATION CONSIDERED ESTIMATE.

CONCENTRATION mg/kg

COC	DELINEATION	RRS
α BHC	0.66	0.66
β BHC	0.66	3.1
δ BHC	0.01	0.10
γ BHC	0.66	12

SOURCE:

Basemap modified from aerial photograph provided by Georgia Ports Authority. Property lines provided by Georgia Ports Authority. Pre–VIRP sample locations (approximate) from CH2M Hill report, 2/24/2012. Post–VIRP June 2013 sample locations based on survey by Donaldson Garret & Associates on 6/5/2013.

N

20 0 20 40 60 80

GRAPHICAL SCALE IN FEET (APPROXIMATE)

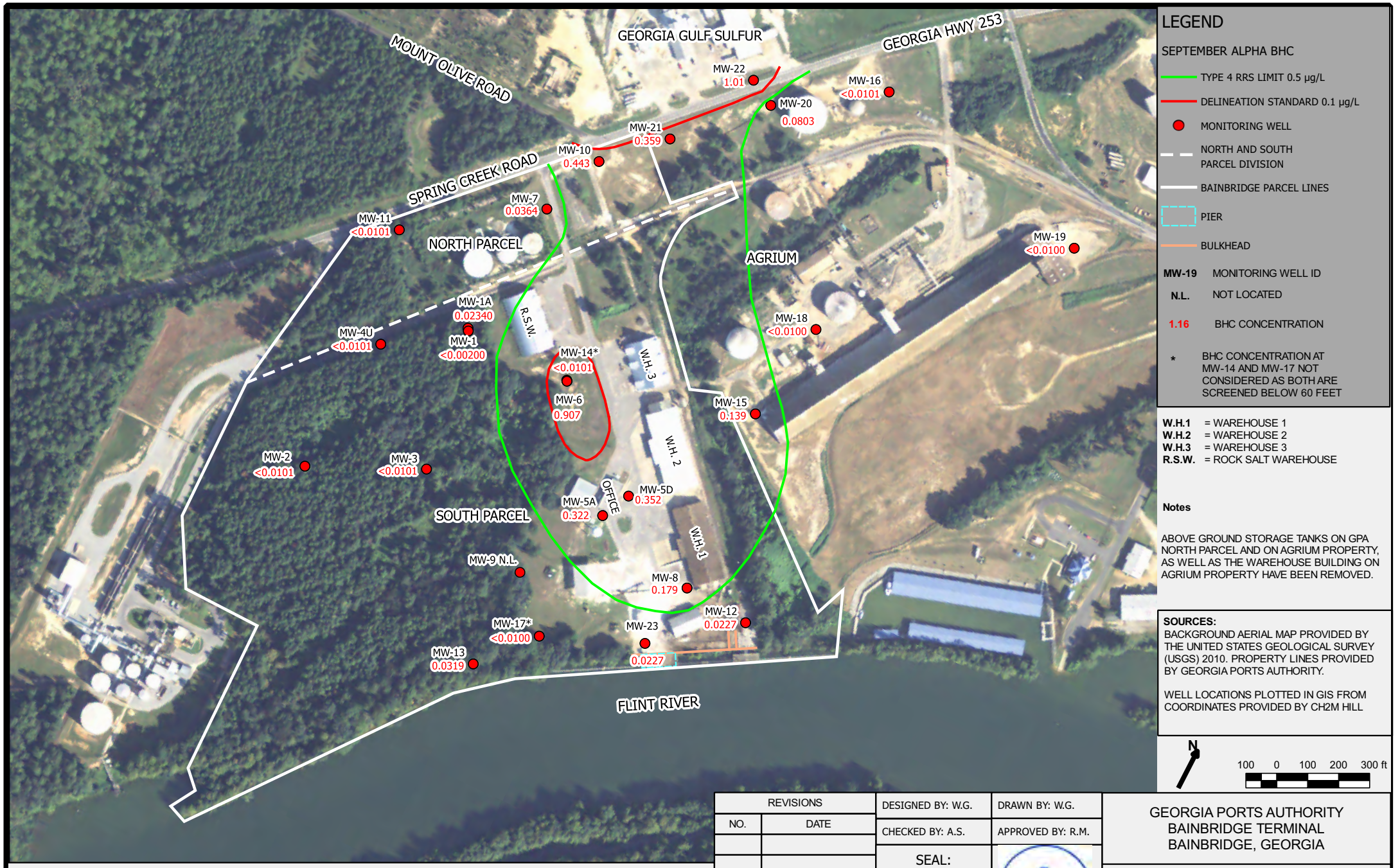
DESIGNED BY:	DRAWN BY:	CHECKED BY:
A.S.	W.G.	A.S.
APPROVED BY: R.M.		REVISIONS NO. / DATE

SEAL:

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
Bainbridge, Georgia

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

SCALE:	DATE:	FILE:	SHEET NO.:
SEE BAR SCALE	12/22/14	400007–4.2 – GPA BAINBRIDGE	



LEGEND

SEPTEMBER ALPHA BHC

- TYPE 4 RRS LIMIT 0.5 µg/L
- DELINEATION STANDARD 0.1 µg/L
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD

MW-19 MONITORING WELL ID

N.L. NOT LOCATED

1.16 BHC CONCENTRATION

* BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 4-4: SEPTEMBER 2014 ALPHA-BHC ISOCONCENTRATION MAP

REVISIONS	
NO.	DATE

DESIGNED BY: W.G. | DRAWN BY: W.G.
CHECKED BY: A.S. | APPROVED BY: R.M.
SEAL:

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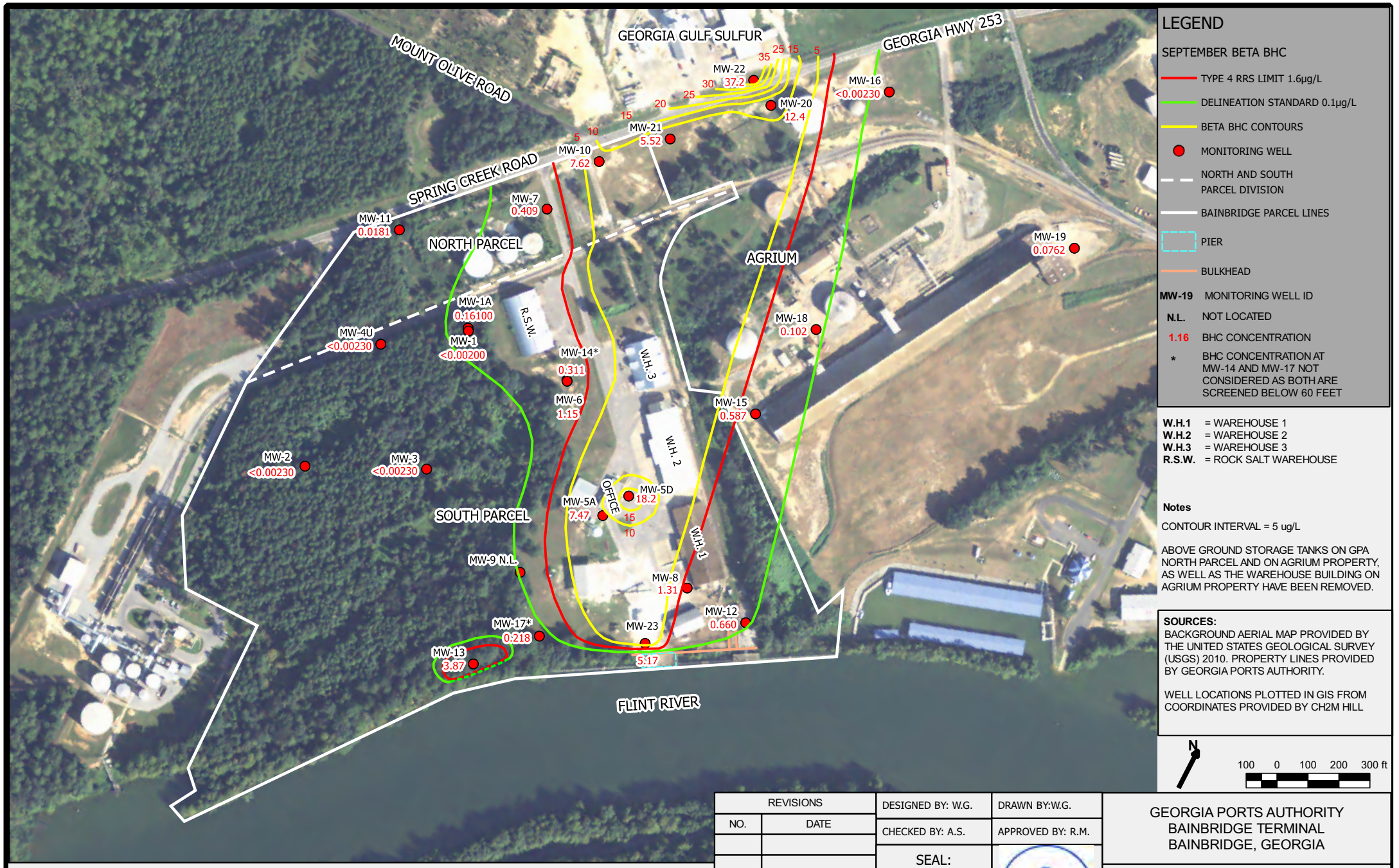
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

Scale: SEE BAR | Date: 10/23/2014 | File: 400007 - 4.5 - GPA Bainbridge | SHEET NO.: 1



LEGEND

SEPTEMBER BETA BHC

- TYPE 4 RRS LIMIT 1.6µg/L
- DELINEATION STANDARD 0.1µg/L
- BETA BHC CONTOURS
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD

MW-19 MONITORING WELL ID

N.L. NOT LOCATED

1.16 BHC CONCENTRATION

***** BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

CONTOUR INTERVAL = 5 ug/L

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 4-5: SEPTEMBER 2014 BETA-BHC ISOCONCENTRATIONS MAP

REVISIONS	
NO.	DATE

DESIGNED BY: W.G. | DRAWN BY:W.G.

CHECKED BY: A.S. | APPROVED BY: R.M.

SEAL:

Scale: SEE BAR | Date: 10/23/2014

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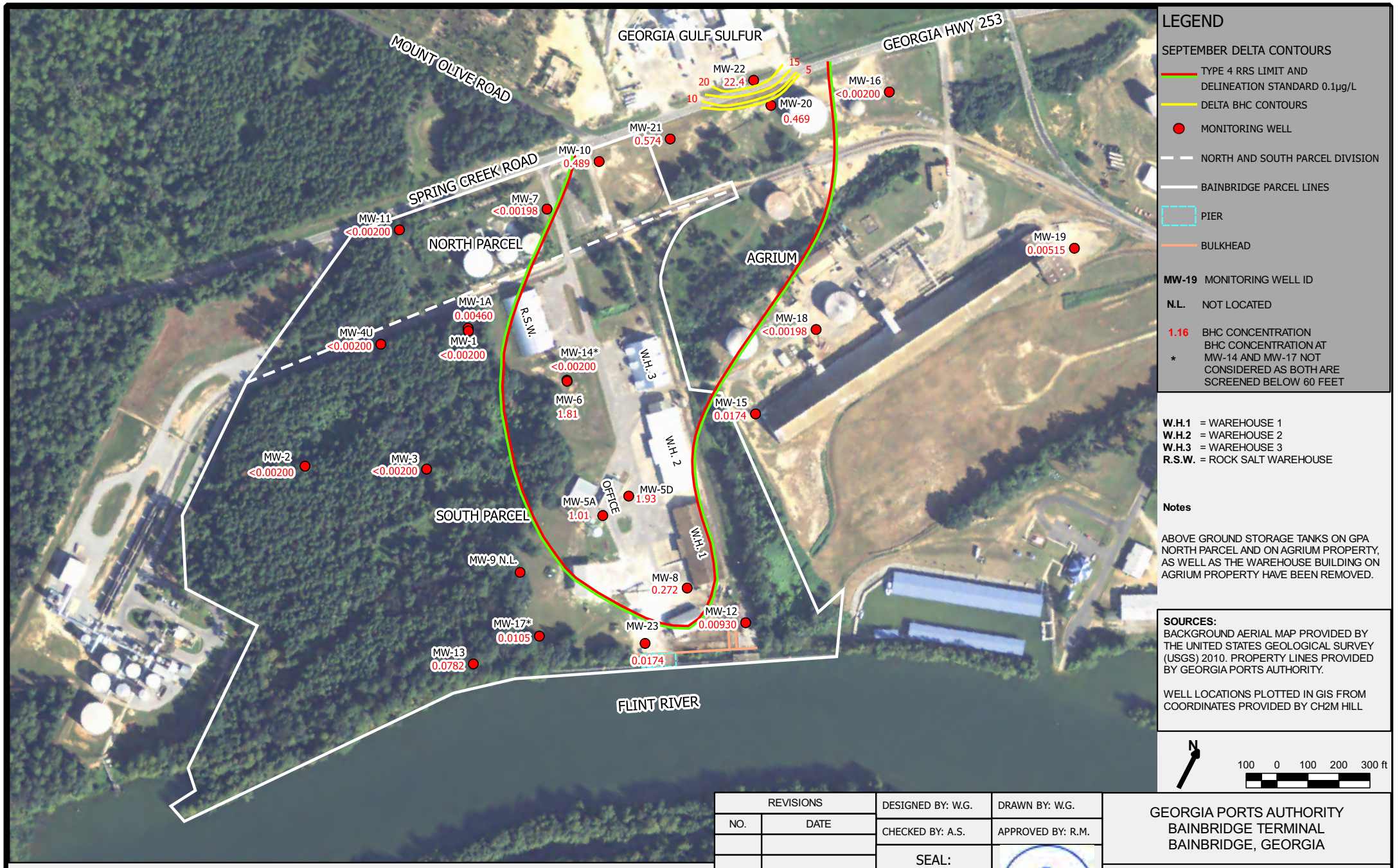
ALPHARETTA, GEORGIA 30009

File: 400007 - 4.5 - GPA Bainbridge | SHEET NO.: 1



LEGEND

SEPTEMBER DELTA CONTOURS

- TYPE 4 RRS LIMIT AND DELINEATION STANDARD 0.1µg/L
- DELTA BHC CONTOURS
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD

MW-19 MONITORING WELL ID

N.L. NOT LOCATED

1.16 BHC CONCENTRATION

* BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 4-6: SEPTEMBER 2014 ALPHA-BHC ISOCONCENTRATION MAP

REVISIONS	
NO.	DATE

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CHECKED BY: A.S. | APPROVED BY: R.M.
SEAL:

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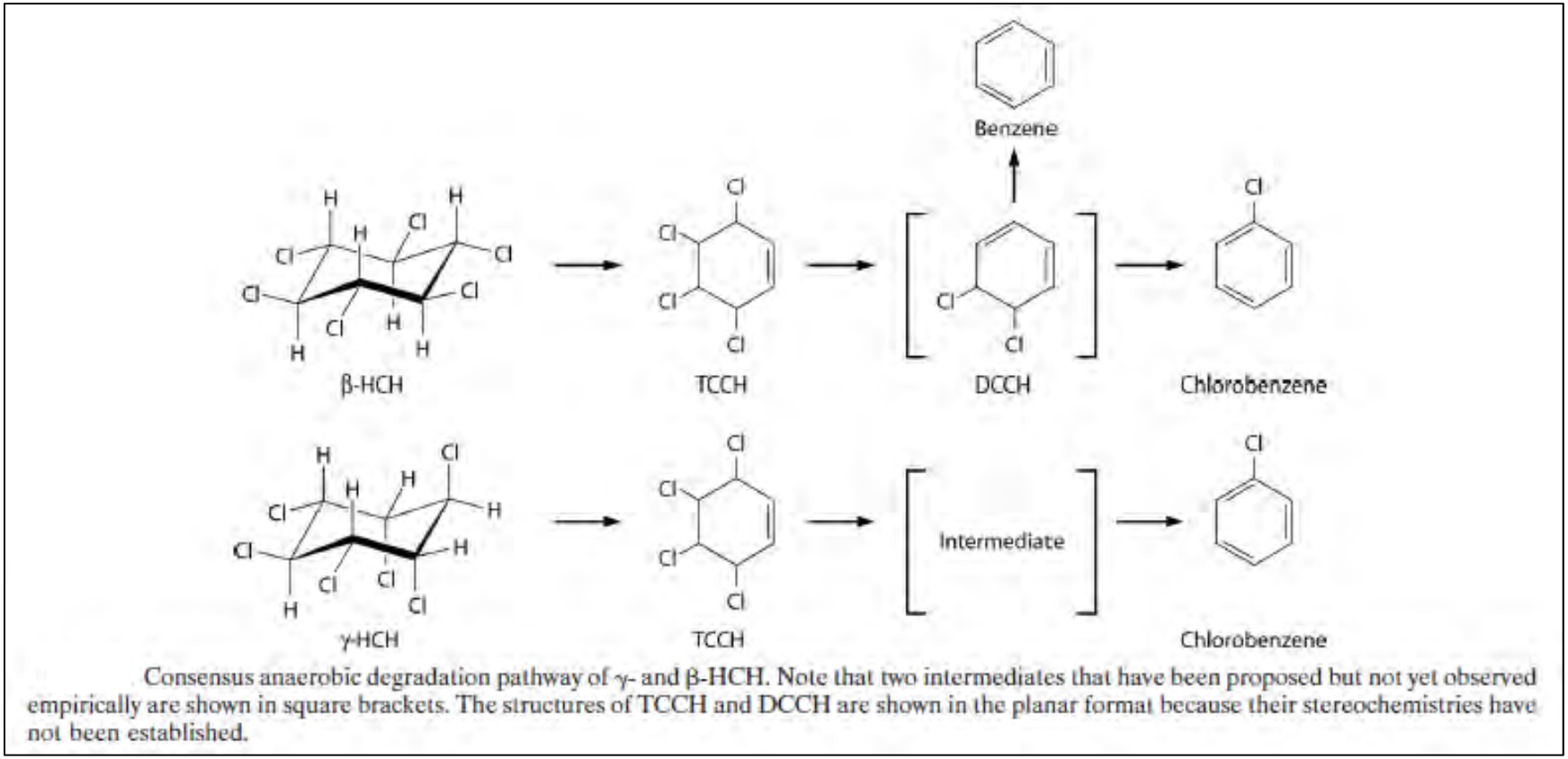
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

Scale: SEE BAR | Date: 10/23/2014 | File: 400007 - 4.5 - GPA Bainbridge | SHEET NO.: 1

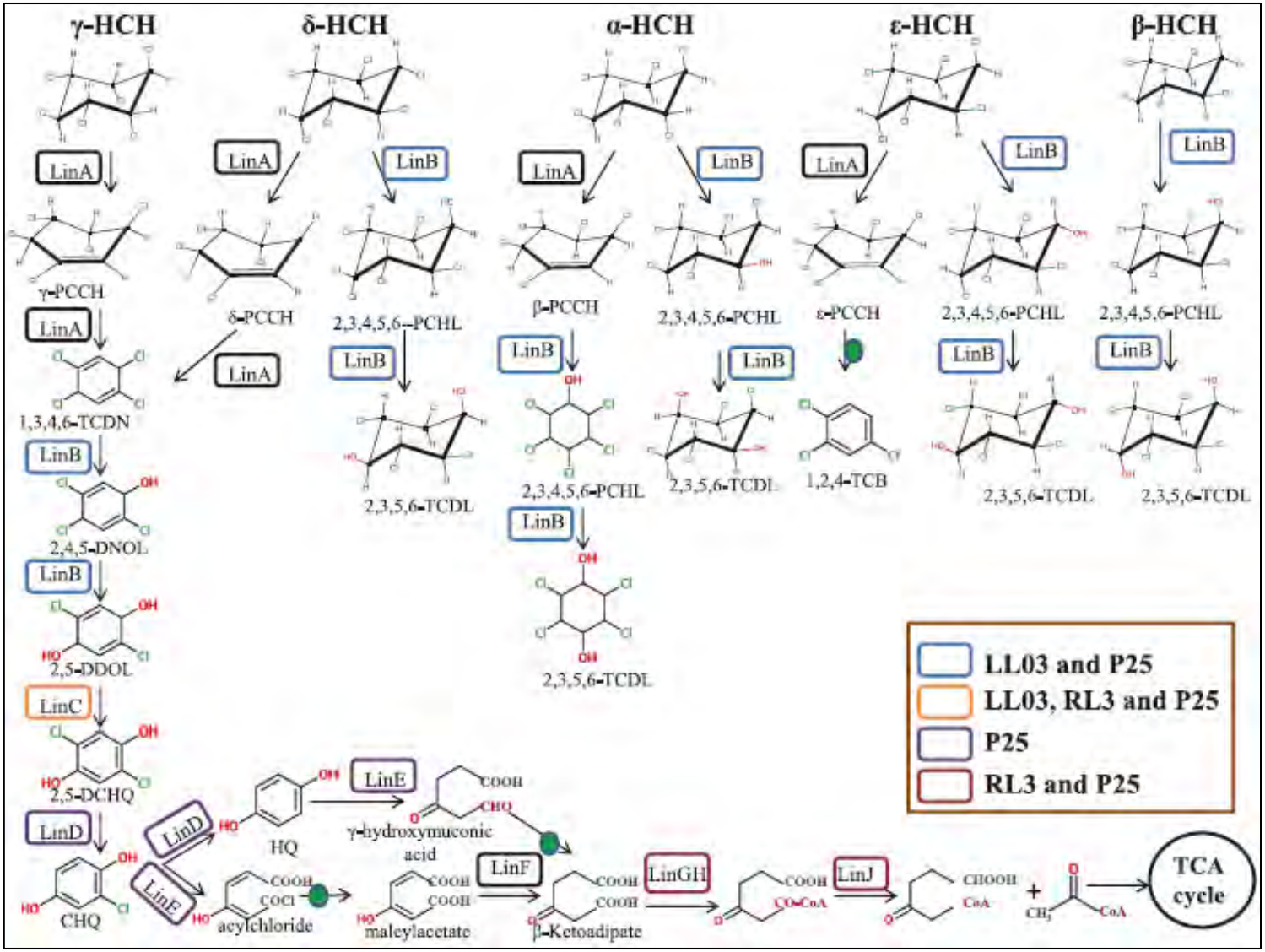
Figure 5-1: Anaerobic Degradation Pathway



Consensus anaerobic degradation pathway of γ- and β-HCH. Note that two intermediates that have been proposed but not yet observed empirically are shown in square brackets. The structures of TCCH and DCCH are shown in the planar format because their stereochemistries have not been established.

Source: Lal, R., Pandey, G., Sharma, P., Kumari, K., Malhotra, S., Pandey, R., Raina, V., Kohler, HE., Holliger, C., Jackson, C., Oakeshott, JG. "*Biochemistry of Microbial Degradation of Hexachlorocyclohexane and Prospects for Bioremediation"* Microbiology and Molecular Biology Reviews, (2010) p. 58–80

Figure 5-2: Aerobic Degradation Pathway



Degradation of α-, β-, γ-, δ- and ε-HCH mediated by *lin* Pathway in *Sphingobium* spp. Each color that encircles a specific *lin* gene depicts that the pathway is blocked within these *Sphingobium* strains. The compounds that are formed during HCH degradation are broadly known as PCCH: pentachlorocyclohexane, PCHL: pentachlorocyclohexanol, TCDN: tetrachloro-1,4-cyclohexadiene, DNOL: trichloro-2,5-cyclohexadiene-1-ol, DDOL: dichloro-2,5-cyclohexadiene-1,4-diol, TCDL: tetrachlorocyclohexanediol, DCHQ: dichlorohydroquinone, CHQ: chlorohydroquinone, HQ: hydroquinone. Green dots represent spontaneous reaction.

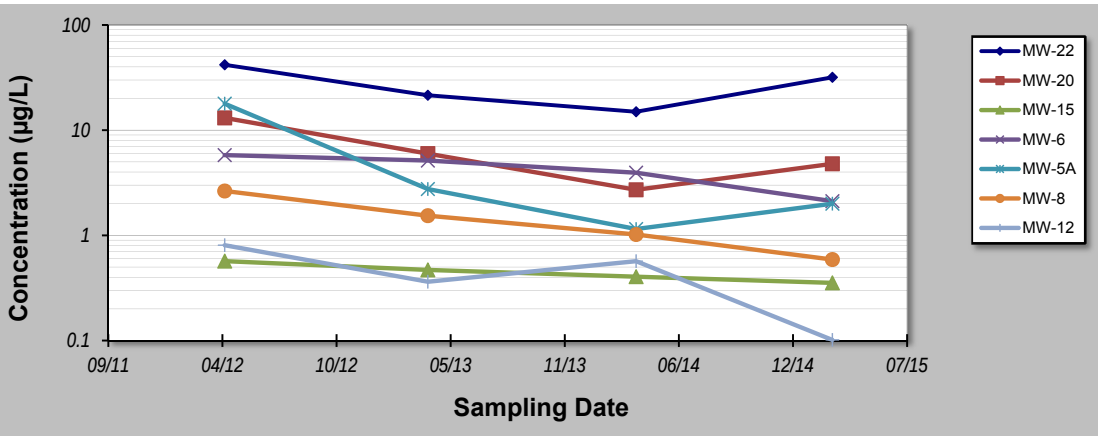
Source: Verma, H., Kumar, R., Oldach, P., Sangwan, N., Khurana, JP., Gilbert, JA., Lal, R. 2014. *Comparative genomic analysis of nine Sphingobium strains: insights into their evolution and hecachlorochyclohexane (HCH) degradation pathways*. BMC Genomics, 2014.

Figure 5-3: Total BHC Degradation Trend Analysis

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	20-Apr-15	Job ID:	400007-4.5
Facility Name:	GPA - Bainbridge Terminal	Constituent:	Total-BHC
Conducted By:	EIC	Concentration Units:	µg/L

Sampling Point ID:	MW-22	MW-20	MW-15	MW-6	MW-5A	MW-8	MW-12
Sampling Event	Sampling Date	TOTAL-BHC CONCENTRATION (µg/L)						
1	5-Apr-12	41.83	13.08	0.57	5.79	17.85	2.64	0.81
2	27-Mar-13	21.48	5.98	0.47	5.14	2.76	1.54	0.36
3	27-Mar-14	14.96	2.71	0.40	3.94	1.15	1.02	0.57
4	6-Mar-15	31.81	4.79	0.35	2.11	2.00	0.59	0.10
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.43	0.68	0.21	0.38	1.34	0.61	0.65
Mann-Kendall Statistic (S):		-2	-4	-6	-6	-4	-6	-4
Confidence Factor:		62.5%	83.3%	95.8%	95.8%	83.3%	95.8%	83.3%
Concentration Trend:		Stable	Stable	Decreasing	Decreasing	No Trend	Decreasing	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.

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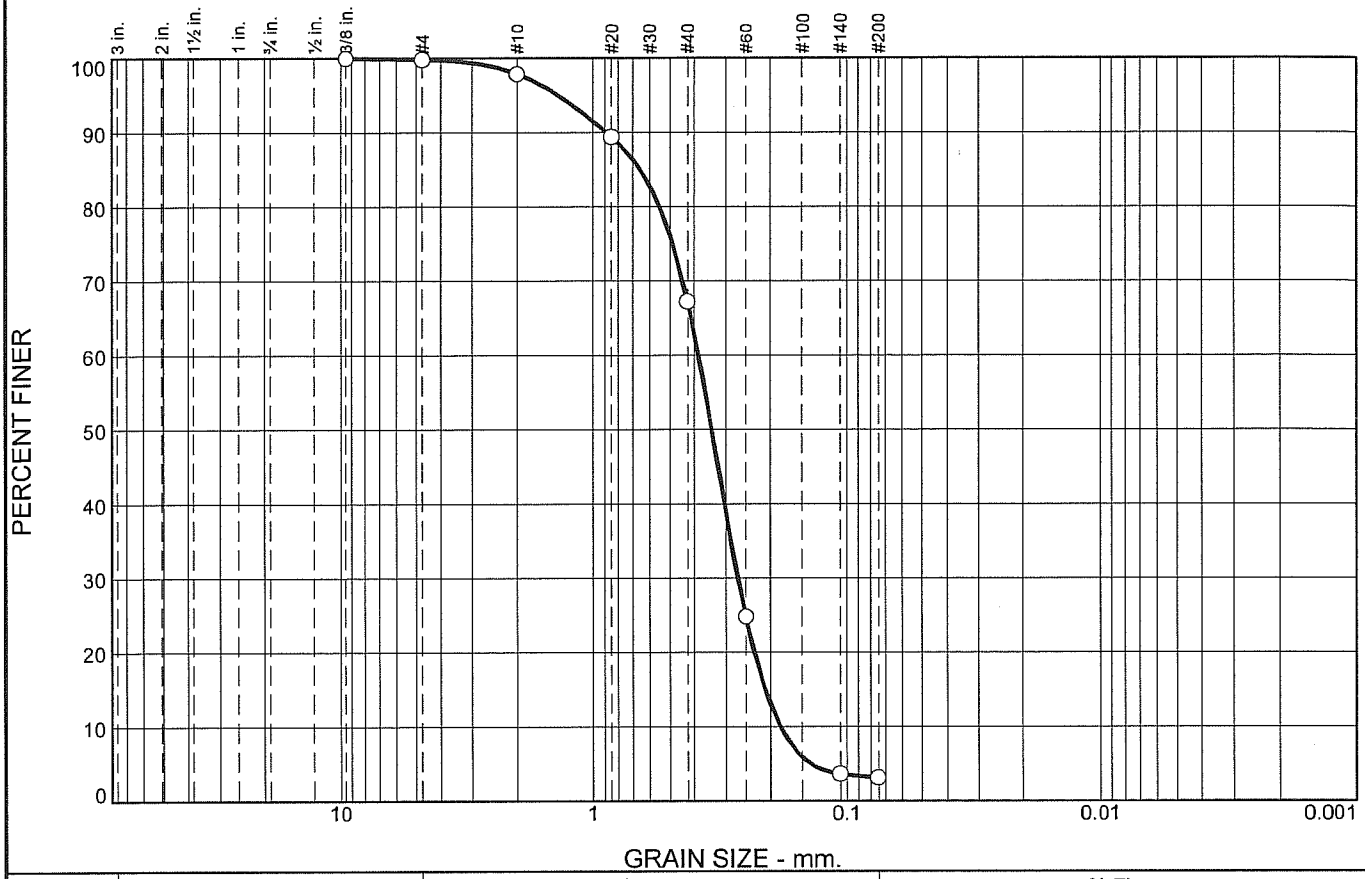
HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

SITE CONCEPTUAL MODEL REPORT

ATTACHMENT A
MW-23 SIEVE ANALYSIS RESULTS

Attachment A: MW-23 Sieve Analysis Results

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.2	1.9	30.7	64.1	3.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8"	100.0		
#4	99.8		
#10	97.9		
#20	89.4		
#40	67.2		
#60	24.8		
#140	3.7		
#200	3.1		

* (no specification provided)

Brown tan silty SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 0.8884 D_{85}= 0.6525 D_{60}= 0.3849
D_{50}= 0.3412 D_{30}= 0.2686 D_{15}= 0.2091
D_{10}= 0.1821 C_u= 2.11 C_c= 1.03

Classification

USCS= SP AASHTO=

Remarks

Location: MW23
Sample Number: 2 **Depth:** 14.5'-15' **Date:** 05/15/14

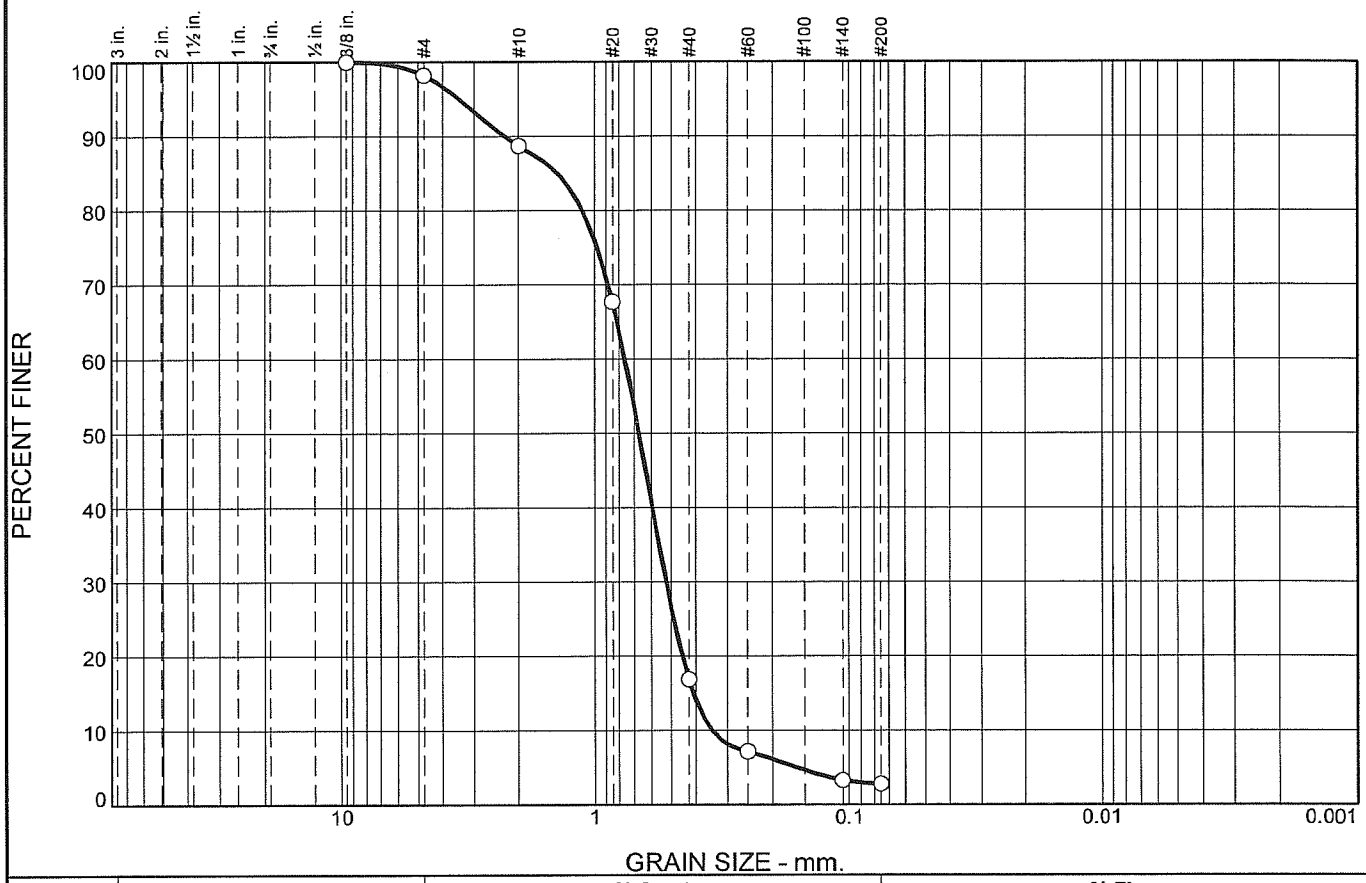
PIEDMONT
GEOTECHNICAL CONSULTANTS
Roswell, Georgia

Client: EIC
Project: Environment International Corporation

Project No: 114132 **Figure** 3

Tested By: K.Herbert

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.8	9.5	71.8	14.1	2.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8"	100.0		
#4	98.2		
#10	88.7		
#20	67.7		
#40	16.9		
#60	7.2		
#140	3.3		
#200	2.8		

* (no specification provided)

Brown tan silty SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{90}= 2.2673 D_{85}= 1.3979 D_{60}= 0.7592
D_{50}= 0.6686 D_{30}= 0.5221 D_{15}= 0.4074
D_{10}= 0.3444 C_u= 2.20 C_c= 1.04

Classification

USCS= SP AASHTO=

Remarks

Location: MW23
Sample Number: 5 **Depth:** 22'-23' **Date:** 05/15/14

PIEDMONT
GEOTECHNICAL CONSULTANTS
Roswell, Georgia

Client: EIC
Project: Environment International Corporation

Project No: 114132 **Figure** 6

Tested By: K. Herbert

HSI SITE 10071, GEORGIA PORTS AUTHORITY – BAINBRIDGE TERMINAL

SITE CONCEPTUAL MODEL REPORT

ATTACHMENT B
BHC FACT SHEET

TOXICOLOGICAL PROFILE FOR ALPHA-, BETA-, GAMMA-, AND DELTA-HEXACHLOROCYCLOHEXANE

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Agency for Toxic Substances and Disease Registry

August 2005

4. CHEMICAL AND PHYSICAL INFORMATION

4.1 CHEMICAL IDENTITY

HCH consists of eight isomers (Safe 1993). Only γ-HCH, α-HCH, β-HCH, and δ-HCH are of commercial significance and considered in this profile. The pesticide lindane refers to products that contain >99% γ-HCH. The α-, β-, and δ-isomers, as well as technical-grade HCH are not synonymous with γ-HCH (Farm Chemicals Handbook 1993). Technical-grade HCH is not an isomer of HCH, but rather a mixture of several isomers; it consists of approximately 60–70% α-HCH, 5–12% β-HCH, 10–15% γ-HCH, 6–10% δ-HCH, and 3–4% ε-HCH (Kutz et al. 1991). Information regarding the chemical identities of γ-HCH, α-HCH, β-HCH, and δ-HCH is located in Table 4-1.

4.2 PHYSICAL AND CHEMICAL PROPERTIES

Information regarding the physical and chemical properties of γ-HCH, α-HCH, β-HCH, and δ-HCH is located in Table 4-2.

Table 4-1. Chemical Identity of Hexachlorocyclohexane Isomers[a]

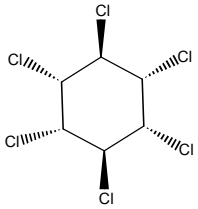
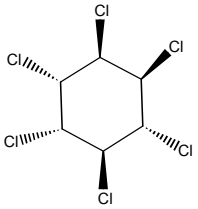
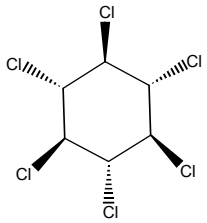
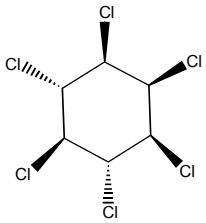
Characteristic	γ-hexachlorocyclohexane	α-hexachlorocyclohexane
Synonym(s)	Lindane; 1-alpha, 2-alpha, 3-beta, 4-alpha, 5-alpha, 6-beta-hexachlorocyclohexane; benzene hexachloride-gamma-isomer; BHC; cyclohexane 1,2,3,4,5,6-hexachloro-gamma-isomer; ENT 7796; gamma-benzene hexachloride; gamma-BHC; gamma-hexachlorocyclohexane; gamma-1,2,3,4,5,6-hexachlorocyclohexane; gamma-HCH; gamma-lindane; HCH; HCCH; hexachlorocyclohexane, gamma-isomer; 1,2,3,4,5,6-hexachlorocyclohexane, gamma-isomer[b]	1-alpha, 2-alpha, 3-beta, 4-alpha, 5-beta, 6-beta-benzene-trans-hexachloride; alpha-1,2,3,4,5,6-hexachlorocyclohexane; alpha-benzene hexachloride; alpha-BHC; alpha-HCH; alpha-hexachloran; alpha-hexachlorane; alpha-hexachlorocyclohexane; alpha-lindane; benzenehexachloride-alpha-isomer; cyclohexane 1,2,3,4,5,6-(alpha, DL); cyclohexane 1,2,3,4,5,6-hexachloro, alpha-; cyclohexane 1,2,3,4,5,6-hexachloro-, alpha-isomer; cyclohexane, alpha-1,2,3,4,5,6-hexachloro; ENT 9232[b]
Registered trade name(s)	Etan 3G (Diachem S.P.A.); Forlin; Gamaphex; Isotox (Chevron Chemical Co.); Germate Plus (Gustafson Inc.); Gamma-Mean 400 and Gamma Mean L. (Oregon-California Chemicals, Inc.); Hammer (Exsin Industries); Lindagam; Novigam; Silvanol[c]; Kwell (pharmaceutical shampoo/lotion)[d]	No data
Chemical formula	$C_6H_6Cl_6$	$C_6H_6Cl_6$[b]
Chemical structure		
Identification numbers:		
CAS registry	58-89-9	319-84-6
NIOSH RTECS	GV4900000	GV3500000
EPA hazardous waste	U129; D013	No data
OHM/TADS	7216531	810002
DOT/UN/NA/IMCO shipping	NA 2761 lindane; IMCO 6.1 lindane; UN 2761, organochlorine pesticides, solid toxic, not otherwise specified	No data
HSDB	646	6029
NCI	C00204	No data

Table 4-1. Chemical Identity of Hexachlorocyclohexane Isomers[a]

Characteristic	β-hexachlorocyclohexane	δ-hexachlorocyclohexane
Synonym(s)	1-alpha, 2-beta, 3-alpha, 4-beta, 5-aplha, 6-beta-hexachlorocyclohexane; beta 1,2,3,4,5,6-hexachlorocyclohexane; beta-benzenehexachloride; beta-BHC; beta HCH; beta-hexachloran; beta-hexachlorobenzene; beta-lindane; cyclohexane, 1,2,3,4,5,6-hexachloro-, beta-; cyclohexane, 1,2,3,4,5,6-hexachloro-, beta-isomer; cyclohexane, 1,2,3,4,5,6-hexachloro-, trans-; cyclohexane, beta-1,2,3,4,5,6-hexachloro-; ENT 9233; trans-alpha-benzenehexachloride[b]	1-alpha,2-alpha,3-alpha, 4-beta, 5-alpha, 6-beta-hexachlorocyclohexane; cyclohexane, 1,2,3,4,5,6-hexachloro-, delta-isomer; cyclohexane, delta-1,2,3,4,5,6-hexachloro-; delta-(AEEEEE)- 1,2,3,4,5,6-hexachlorocyclohexane; delta-benzenehexachloride; delta-BHC; delta-HCH; delta-1,2,3,4,5,6-hexachlorocyclohexane; delta-lindane; ENT 9234[b]
Registered trade name(s)	No data	No data
Chemical formula	$C_6H_6Cl_6$	$C_6H_6Cl_6$
Chemical structure		
Identification numbers:		
CAS registry	319-85-7	319-86-8
NIOSH RTECS	GV4375000	GV4550000
EPA hazardous waste	No data	No data
OHM/TADS	No data	No data
DOT/UN/NA/IMCO shipping	No data	No data
HSDB	6183	6184
NCI	No data	No data

[a]All information obtained from HSDB 1997 except where noted.
[b]RTECS 1993
[c]Farm Chemicals Handbook 1993
[d]Budavari et al. 1989

CAS = Chemical Abstracts Service; DOT/UN/NA/IMCO = Department of Transportation/United Nations/North America/International Maritime Dangerous Goods Code; EPA = Environmental Protection Agency; HSDB = Hazardous Substances Data Bank; NCI = National Cancer Institute; NIOSH = National Institute for Occupational Safety and Health; OHM/TADS = Oil and Hazardous Materials/Technical Assistance Data System; RTECS = Registry of Toxic Effects of Chemical Substances

Table 4-2. Physical and Chemical Properties of Hexachlorocyclohexane Isomers

Property	γ-hexachlorocyclo-hexane	α-hexachlorocyclo-hexane	β-hexachlorocyclo-hexane	δ-hexachlorocyclo-hexane
Molecular weight	290.83[a]	290.83[a]	290.83[a]	290.83[a]
Color	White[b]	Brownish to white[c]	No data	No data
Physical state	Crystalline solid[d]; monoclinic prisms[b]	Crystalline solid[c]; monclinic prisms[a]	Crystalline solid[a,d]	Fine plates[a,b]
Melting point	112.5 °C[a,e]	159–160 °C[a]	314–315 °C[a]	141–142 °C[a]
Boiling point	323.4 °C at 760 mmHg[c]	288 °C at 760 mmHg[c]	60 °C at 0.5 mmHg[a]	60 °C at 0.36 mmHg[a]
Density (g/cm^3)	1.89 at 19 °C[f]	1.87 at 20 °C[a]	1.89 at 19 °C[a]	No data
Odor	Slightly musty odor[c]	Phosgene-like odor[c]	No data	No data
Odor threshold:				
Water	12 mg/kg[g]	0.88 ppm for unspecified purity[h]	0.00032 mg/kg[g]	No data
Air	No data	No data	No data	No data
Solubility:				
Water	17 ppm[i]; insoluble in water[c]	10 ppm[j]; 69.5 mg/L at 28 °C[k]	5 ppm[j]	10 ppm[j]
Organic solvents	6.4 g/100 g in ethanol; 20.8 g/100 g in ether; 28.9 g/100 g in benzene[j]	Soluble in alcohol[k]; 1.8 g/100 g in ethanol[j]; 6.2 g/100 g in ether[j]	1.1 g/100 g in ethanol; 1.8 g/100 g in ether; 1.9 g/100 g in benzene[j]	24.4 g/100 g in ethanol; 35.4 g/100 g in ether; 41.4 g/100 g in benzene[j]
Partition coefficients:				
Log K_{ow}	3.72[l]	3.8[l]	3.78[l]	4.14[l]
Log K_{oc}	3.0[m]; 3.57[f]	3.57[f]	3.57[m]	3.8[f]
Vapor pressure	4.2x10^{-5} mmHg at 20 °C[c]	4.5x10^{-5} mmHg at 25 °C[c]	3.6x10^{-7} at 20 °C[c]	3.5x10^{-5} at 25 °C[c]
Henry's law constant	3.5x10^{-6}[c]	6.86x10^{-6}[c]	4.5x10^{-7}[m,n]	2.1x10^{-7}[o,p]
Autoignition temperature	Not flammable[c]	No data	No data	No data
Flashpoint	Approximately 150 °F (closed cup)[c]	No data	No data	No data
Flammability limits	Not flammable[c]	No data	No data	No data
Conversion factors[q]	ppm to mg/m^3 in air (20°C): ppm x 4.96 = mg/m^3; mg/m^3 to ppm in air (20°C): mg/m^3 x 0.20 = ppm			
Explosive limits	No data	No data	No data	No data

[a]Lide 1991
[b]Kirk-Othmer 1985
[c]HSDB 2003
[d]IARC 1979
[e]Budavari et al. 1989
[f]Weiss 1986
[g]Verschueren 1983
[h]Fazzalari 1978
[i]Hollifield 1979
[j]Clayton and Clayton 1981
[k]Kuihara et al. 1973
[l]Hansch and Leo 1995
[m]Ripping 1972
[n]Veith et al. 1979
[o]Pankow et al. 1984
[p]EPA 1982
[q]Same for all isomers

SITE CONCEPTUAL MODEL REPORT

APPENDIX A
POTENTIAL ECOLOGICAL RECEPTORS REPORT

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

POTENTIAL ECOLOGICAL RECEPTOR REPORT

April 29, 2014

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1.0 INTRODUCTION

The Voluntary Investigation and Remediation Plan (VIRP), that the Georgia Environmental Protection Division (EPD) approved on November 2, 2012, proposed utilizing the Georgia Natural Heritage Program (GNHP) or other expert resources to determine if potential ecological receptors such as rare, impaired, and critically impaired plant or animal species would be affected at the site from the constituent of concern (COC) present within the three areas of concern (AOC) (EIC, 2012). At the Georgia Ports Authority Bainbridge Terminal (site), located at 1321 Spring Creek Road (Georgia Highway 253) in Bainbridge, Decatur County, Georgia, benzenehexachloride (BHC) is the primary COC. This report documents EIC's evaluation of the potential ecological receptors.

As discussed in the VIRP, BHC released to soil, sediments, and water, is broken down to less toxic substances by algae, fungi, and bacteria, over a period of time (EIC, 2012). Therefore, only potential exposure points will be shown and no assumptions will be made as to the effect of long term or short term exposure due to those potential exposure points of BHC or BHC derivatives. Potential direct and indirect exposure will be based on proximity and accessibility to the three main AOCs at the site, shown in Figure 1. Direct exposure is defined as the species that may be affected from direct dermal contact or ingestion of soil contaminated with the COCs located at the AOCs. Indirect exposure is defined as the species ingesting plants or animals that have had direct exposure to COCs.

AOC-1, shown in Photo 1, is located adjacent to the rock salt warehouse (RSW), along the western edge of the main paved thoroughfare and extends west into a nearby wooded section. AOC-1 has a security fence installed along its perimeter as an engineering soil management measure. Additionally surface soils at AOC-1 are below risk reduction standards (RRS). AOC-2, shown in Photo 2, is located within the asphalt pavement surrounding of warehouse 3 (W.H. 3). AOC-3, shown in Photo 3, is located along drainage ditches which border warehouses 2 and 3. Following the field activities and data collected in this report, EIC determined that surface soils in AOC-3 were also below RRS and detection limits.

2.0 DATA COMPILATION

EIC conducted data mapping using Quantum GIS (QGIS) and available data from the Georgia GIS Clearinghouse and National Wetlands Inventory databases (Georgia GIS, 2013). The GIS layer for each vertebrate rare species was derived from reference material from the University of Georgia, College of Environment and Design, Natural Resources Spatial Analysis Laboratory (NARSAL). These layers were recorded as ESRI binary grid layers with 90 meter square resolution. The plant species habitat was derived from a shape layer from the National Wetlands Inventory database under the U.S. Fish and Wildlife Services. Each layer was imported into QGIS and was then adjusted to

the appropriate quadrangle to encompass the Bainbridge site.

3.0 RECEPTOR EVALUATION

Using the Georgia Natural Heritage Program (GNHP) database, maintained by the Georgia State Department of Natural Resources (DNR) Wildlife Resources Division (WRD), EIC determined that within quarter quadrangle code 3008485SW, the site area would be known as the Bainbridge SW Quadrangle. Within the Bainbridge SW Quadrangle, potential habitat data was discovered for 13 rare species and no potential habitat area was discovered for impaired or critically impaired species (DNR, 2013). The 13 rare species at the site consist of 12 animals and 1 plant as summarized in Table 1. Each rare species was evaluated for its potential to exist at the site location and whether they would be considered potential receptors. The following subsections discuss each category of species.

3.1 Mollusks

3.1.1 Riverine Mollusks

Referring to Table 1, five of the seven different species of mollusks listed for the Bainbridge SW Quadrangle are riverine mollusks. Considering that the site is located in an area composed of mixed forested and open land and since the nearest riverine mollusk habitat area is the Flint River that is located approximately 680 feet away from the nearest AOC, riverine mollusks were not mapped or considered in this analysis. These species include the Purple Bankclimber, Shinyrayed Pocketbook, Southern Elktoe, Gulf Moccasinshell, and Inflated Spike.

3.1.2 Lacustrine Mollusks

Standing water provides a lacustrine habitat near the confluence of the site's drainage ditch feature and the Flint River. Although the confluence point is down-gradient of AOC 3 it is unlikely there is potential for direct or indirect exposure since the COCs in the surface soils are below RRS. The standing water is usually at 1 foot of depth or less continuously for approximately 220 feet upstream from the intersection of the Flint River and the southern drainage ditch.

This habitat is suitable for two of the seven previously mentioned species of mollusks listed in Table 1, the Downy Rainbow, and Florida Floater. Figure 2 shows the location of the previously mentioned lacustrine habitat area and Photo 4 shows the location from upstream of the Flint River intersection. Based on a visual survey, EIC determined that overland flow from the three AOCs does not have the potential to reach the habitat due to the steep berms present on the west side of the drainage ditches, shown in Photo 5.

3.2 Plants

3.2.1 Bulrush

The only rare plant species located within the Bainbridge SW Quadrangle is the bulrush plant. It is a wetland grass plant which has become endangered due to habitat loss. To determine the potential habitat area for this plant at the Bainbridge site the National Wetlands Inventory database was utilized to show all nationally protected wetland areas near the areas of concern. Figure 3 shows the location of suitable habitat for the Bulrush plant (U.S. FSW, 2013). The Bulrush's potential habitat area includes wetland marshes and swamps (EOL, 2013). The nearest wetland area shown on Figure 3 is located to the west of AOC-1. Although the wetland is within approximately 130 feet of AOC-1, similar to the lacustrine mollusks discussed in section 3.1.2, surface soil in the AOCs is below RRS and therefore it is unlikely that there is a potential for direct or indirect exposure.

3.3 Reptiles

3.3.1 Barbour's Map Turtle

Figure 4 shows the location of suitable habitats for the Barbour's Map Turtle (NARSAL, 1998), which is a Georgia State protected reptile. The turtle's habitat area includes the Flint River, its adjacent banks, and the lacustrine habitat area discussed in section 3.1 (EOL, 2013). Since the Flint River shoreline is at least 200 feet away from the nearest AOC, the turtles are unlikely to come in contact with the three AOCs.

3.3.2 Alligator Snapping Turtle

Figure 5 shows the location of suitable habitat for the Alligator Snapping Turtle (NARSAL, 1998), which is a Georgia State protected reptile. This species habitat includes major bodies of water such as lakes, rivers, and reservoirs and their surrounding banks (EOL, 2013). Figure 5 shows that the three AOCs do not encroach upon their habitat, similar to the Barbour's Map Turtle discussed in section 3.3.1. Their potential habitat area is more than 600 feet from their habitat and therefore it is unlikely that exposure to COCs will take place.

3.3.3 Eastern Diamondback Rattlesnake

Figure 6 shows the location of suitable habitat for the Eastern Diamondback Rattlesnake (NARSAL, 1998). This species preferred habitat area includes large tracts of wooded areas with plenty of leaf cover and abandoned farms, fields, and prairies (EOL, 2013). Figure 6 shows that their potential habitat area is adjacent to AOC-1. Similar to the lacustrine mollusks discussed in section 3.1.2, direct or indirect exposure of the Diamondback Rattlesnake to COCs is unlikely since the COCs in the

surface soil at AOC-1 are below RRS.

3.4 Birds

3.4.1 Bald Eagle

Figure 7 shows the location of a suitable habitat for the Bald Eagle that is classified as a Georgia State protected bird (NARSAL, 1998). The habitat for this species includes areas surrounding major bodies of water such as lakes, rivers, and reservoirs (EOL, 2013). Although Figure 7 shows the habitat area for this species to be along the Flint River, it is possible that the eagles venture into the areas of concern while foraging for food, due to their high level of mobility. . Similar to Bulrush and eastern diamondback Rattlesnakes, discussed in sections 3.2 and 3.4, direct or indirect exposure of the Bald Eagles to COCs is unlikely since the COCs in the surface soil at AOC-1 and AOC-3 are below RRS.

3.4.2 Barn Owl

Figure 8 shows the location of suitable habitat for the Barn Owl (NARSAL, 1998). This species habitat includes a variety of areas including rural areas and cityscapes. They are usually found in open habitats, such as grasslands and marshes (EOL, 2013). Figure 8 shows that their main habitat area is to the North Northwest of the Bainbridge site which none of the three AOCs encroach upon. Much like the Bald Eagle, the Barn Owl is a predatory bird and has a high level of mobility while foraging. However, for reasons discussed in section 3.4.1, direct or indirect exposure of the Barn Owls to COCs is unlikely.

4.0 RECEPTOR SURVEY

On November 8, 2013, EIC conducted a reconnaissance survey of the site to determine if the species discussed in section 3.0 were present. EIC performed this survey in a systematic way starting with a perimeter walk of each AOC and conducting transects into potential habitat areas. During the survey, key elements were inspected to determine if each species of concern had the possibility of being present at each AOC currently or in the future. This included transects which matched site observations to known habitat conditions, visually scanned for tracks or nests, listened for bird calls, and visually scanned for each species itself. In addition to each AOC inspection, EIC made a visual observation and determined potential flow directions for surface runoff from each AOC. The overland flow directions were then followed and similar transects were conducted along the flow path. Each AOC inspection was documented with photos and written notes. The following subsections discuss each AOC's inspection.

4.1 AOC-1 Inspection

The AOC-1 survey began at the Southeastern corner of the large grass field within AOC-1, shown in Photo 1. The survey then continued along the proposed fence line, shown in Figure 1, throughout the wooded area discussed in section 1.0; continued Northeast and back to the Southeastern corner of the large grass field. Throughout the perimeter walk, transects were conducted to investigate potential habitat areas. The two habitat areas closest to AOC-1 are the Eastern Diamondback Rattlesnake and the Bulrush plant. The flow path for AOC-1 is contained by a ditch along its eastern edge near the main paved thoroughfare and slopes downward toward the west on the western edge of AOC-1 with a local maximum in the center. Utilizing the techniques discussed in section 4.0 the two habitat areas predicted by the NARSAL binary grid model were inspected. All habitat areas for species of concern for AOC-1 were confirmed, however no signs of any species of concern were found.

4.2 AOC-2 Inspection

Similar to the AOC-1 survey, the AOC-2 survey began with a perimeter walk starting with the Northwest corner of AOC-2. As discussed in section 1.0, AOC-2 is primarily asphalt pavement and does not provide a suitable habitat for many of the species discussed in section 3.0. Transects were not conducted at AOC-2, because the perimeter inspection provided a clear line of sight throughout the entire AOC. AOC-2's overland flow is sloped away from WH 3 in all directions. Along its Eastern edge overland flow collects in the rail tracks east of AOC-2. Along its Western edge, overland flow moves west toward the main thoroughfare. On its Northern edge, overland flow moves toward the drainage ditch located in the Northwestern part of AOC-3. Utilizing the techniques described in section 4.0 EIC determined that none of the species of concern's habitat were located within AOC-2. A panoramic view of AOC-2's west side perimeter can be seen in Photo 2.

4.3 AOC-3 Inspection

Similar to AOC-1 and AOC-2, the survey of AOC-3 began with a perimeter walk. Starting at the Northwest corner of AOC-3 and continuing along the Western bank of the drainage ditches and subsequently the Eastern bank as well, the entire perimeter of AOC-3 was inspected for elements described in section 4.0. During the perimeter walk, similar to AOC-1 discussed in section 4.1, transects were conducted to investigate potential habitat areas.

At the southern end of AOC-3, past the concrete bridge across the drainage ditches, standing water was observed at approximately 0 to 1 feet of depth at the center of the drainage ditch. No standing or running water was observed upstream from the concrete bridge.

The overland flow for AOC-3 migrates to the south along the drainage ditch and into the Flint River. While following the overland flow path in AOC-3 EIC observed a large pool of standing water near the intersection of the drainage ditch and the Flint River which forms a lacustrine environment with many types of marsh plants. Utilizing the techniques discussed in section 4.0, EIC confirmed that there is potential habitat for lacustrine mollusks near the intersection of the site's drainage feature and the Flint River, however none were observed. Additionally, no other habitat areas for other species of concern were found.

5.0 FINDINGS

Based on the data published by the Georgia DNR Wildlife Resources Division and NARSAL, as well as the ecological survey conducted by EIC, EIC has concluded that no rare species have the potential for direct or indirect exposure to COCs within any of the three AOCs. EIC will continue to document any signs of rare species that may occur at the site.

6.0 REFRENCES

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DNR, 2013. *Georgia Department of Natural Resources, Wildlife Resources Division.* Natural Heritage Database: www.georgiawildlife.com/node/1358

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EOL, 2013. *Encyclopedia of Life.* Wildlife Information Database: http://eol.org/

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TABLES

Table 1
Rare Species Located in Quadrangle Code 3008485SW, Bainbridge, Georgia

Class	Scientific Name	Common Name	Federally Protected	Georgia State Protected	Common Habitat Type
Mollusk	*Elliptoideus sloatianus*	Purple Bankclimber	Yes	No	It is found in sand, fine gravel or muddy sand substrates in moderate current (Heard, 1975) in large rivers or streams (Clench and Turner, 1956). In the ACF Basin it was found primarily at main channel sites (small to large river channels) in slow to moderate current with sand/limestone substrates, and frequently in waters over 3 m in depth (Brim Box and Williams, 2000; USFWS, 2003; 2006). In the Ochlockonee River system it was found in the main channel in sandy substrates in moderate to swift currents.
	Hamiota subangulata	Shinyrayed Pocketbook	Yes	No	Habitat information is lacking on this species. Historically, it was found in large rivers to small creek habitats (USFWS, 2000). Van der Schalie (1938; 1981) indicates that it generally occupies creeks and smaller rivers. It has been found associated with swift flowing riffles and gravel-cobble substrates in the Conasauga River. Recently, it has been found in stable sand and in gravel in small streams above the Fall Line (USFWS, 2000).
	Alasmidonta triangulata	Southern Elktoe	No	Yes	This species is found in big rivers (e.g. mainstem Apalachicola) in muddy sand with moderate current (Heard, 1979). Historically, this species was found in larger creeks and river mainstems and seemed to prefer sandy mud, particularly in and around rock pools (Clench and Turner, 1956).
	Medionidus penicillatus	Gulf Moccasinshell	Yes	No	Freshwater. No specific information available due to rarity.
	Elliptio purpurella	Inflated Spike	No	Yes	This species is found in medium to large rivers with primarily sand and limestone rock substrates (Brim Box and Williams, 2000).
	Villosa villosa	Downy Rainbow	No	No	The rainbow is found in cool, clear, upper reaches of small to medium streams. Substrates it inhabits include sandy mud, coarse sand, or gravel, in areas near faster currents.
	Utterbackia peggyae	Florida Floater	No	No	This species inhabits sandy or muddy substrates of reservoirs, ponds, lakes and slow-moving streams (Heard, 1979) and is tolerant of impoundment (Johnson, 1965; Brim Box and Williams, 2000).
Plant	*Scirpus erismanae*	Bulrush	No	No	Wetlands
Reptile	*Graptemys barbouri*	Barbour's Map Turtle	No	Yes	Graptemys barbouri favors sections of free-flowing rivers with limestone outcrops, which support good populations of freshwater snails, but use of silty channels is also widespread.
	Macrochelys temminckii	Alligator Snapping Turtle	No	Yes	Some natural habitat has been drained and replaced by agriculture in recent years, however, actual habitat loss, in terms of loss of rivers and their banks, may be small (Ewert 1997). The turtle has been found in reservoirs throughout their range and diking of rivers to create winter waterfowl refuges has increased potential habitat in Arkansas and the lower Mississippi Valley and may offset some of the degraded habitat (Ewert 1997).
	Crotalus adamanteus	Eastern Diamond-backed Rattlesnake	No	No	Habitats include pine and wiregrass flatwoods, pine-palmetto flatwoods, longleaf pine-turkey oak hills, rosemary scrub, mesophytic and coastal maritime hammocks, xeric hammocks, barrier islands and coastal scrub habitats, vicinity of wet savannas, wet prairies (during dry periods), dry prairie, mixed pine-hardwood successional woodland, and abandoned farms and fields (especially near pine-dominated habitats), particularly areas with abundant cover (Mount 1975, Dundee and Rossman 1989, Palmer and braswell 1995, Tennant 1997, Ernst and Ernst 2003, Campbell and Lamar 2004). Large tracts of habitat are most suitable.
Bird	*Haliaeetus leucocephalus*	Bald Eagle	No	Yes	Breeding habitat most commonly includes areas close to (within 4 km) coastal areas, bays, rivers, lakes, reservoirs, or other bodies of water that reflect the general availability of primary food sources including fish, waterfowl, or seabirds (Andrew and Mosher 1982, Green 1985, Campbell et al. 1990). For example, in Saskatchewan lakes, bald eagle density was positively correlated with abundance of large fishes (Dzus and Gerrard 1993).
	Tyto alba	Barn Owl	No	No	Barn owls are found in a variety of habitats from cities to rural areas. They are usually found at low elevations in open habitats, such as grasslands, deserts, marshes and agricultural fields. They need cavities for nesting, such as hollow trees, cavities in cliffs and riverbanks, nest boxes, caves, church steeples, barn lofts, and hay stacks.

Notes: All habitat information for this table was obtained from the Encyclopedia of Life database. Taxonomy information was derived from the Department of Natural Resources Georgia Natural Heritage Program database.

FIGURES

Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Background aerial map provided by the United States Geological Survey (USGS) 2010

N

100 0 100 200 300 ft

Figure 1: Areas of Concern

Revisions		Designed By: W.G.	Drawn By: W.G.
No.	Date	Checked By: A.S.	Approved By: R.M.
		Seal:	

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Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern
- Flow Lines
- Lacustrine Mollusk Habitat

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Lacustrine Mollusk Habitat area derived from EIC field observations during ecological survey conducted on November 8, 2013.

N

100 0 100 200 300 ft

Figure 2: Lacustrine Mollusk Habitat

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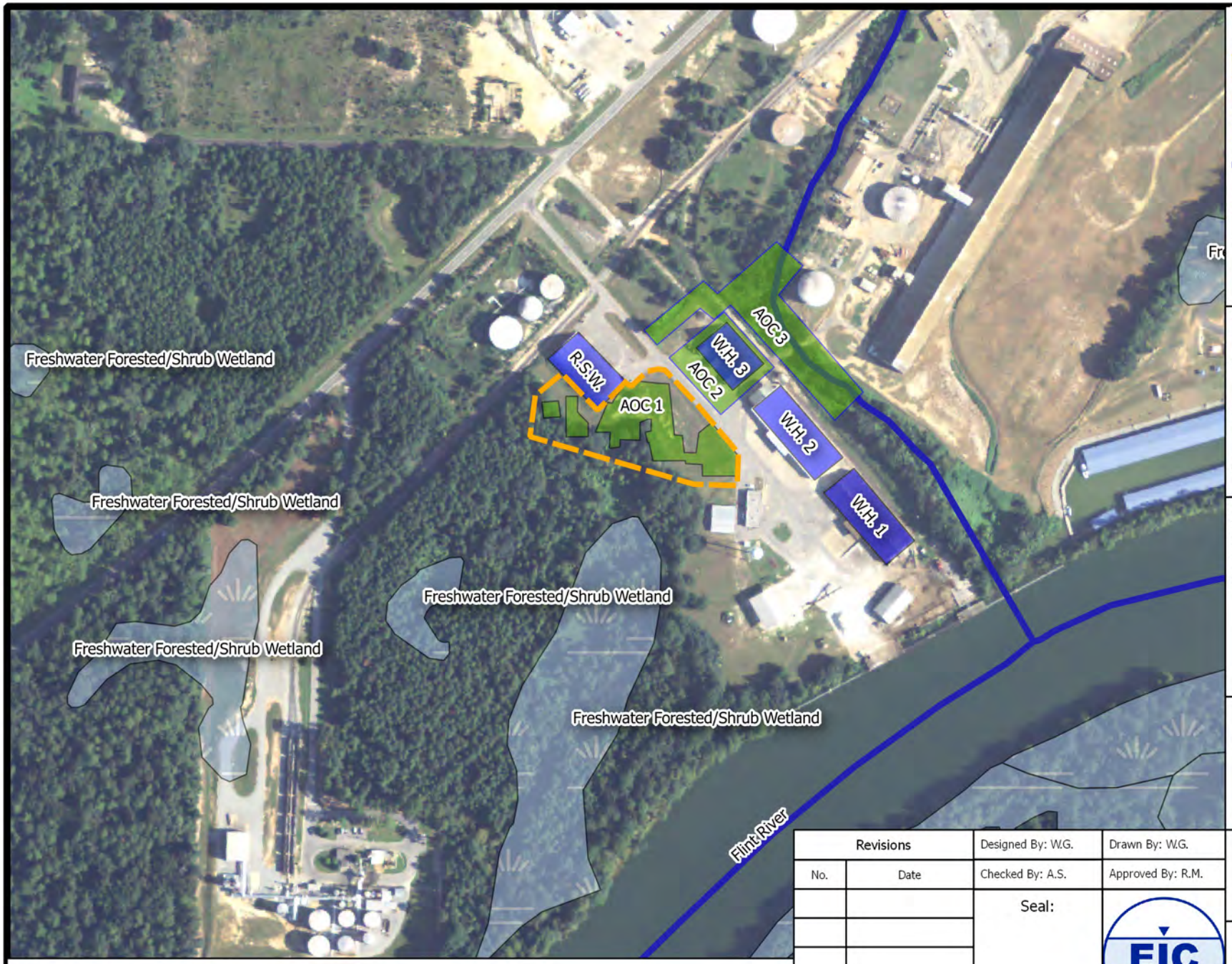

Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern
- Flow Lines

National Protected Wetlands

- Freshwater Forested/Shrub Wetland

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Map is derived from National Wetlands Inventory Database from the U.S. Fish and Wildlife Services.

N

100 0 100 200 300 ft

Figure 3: Bulrush, Wetland Plant Habitat Area

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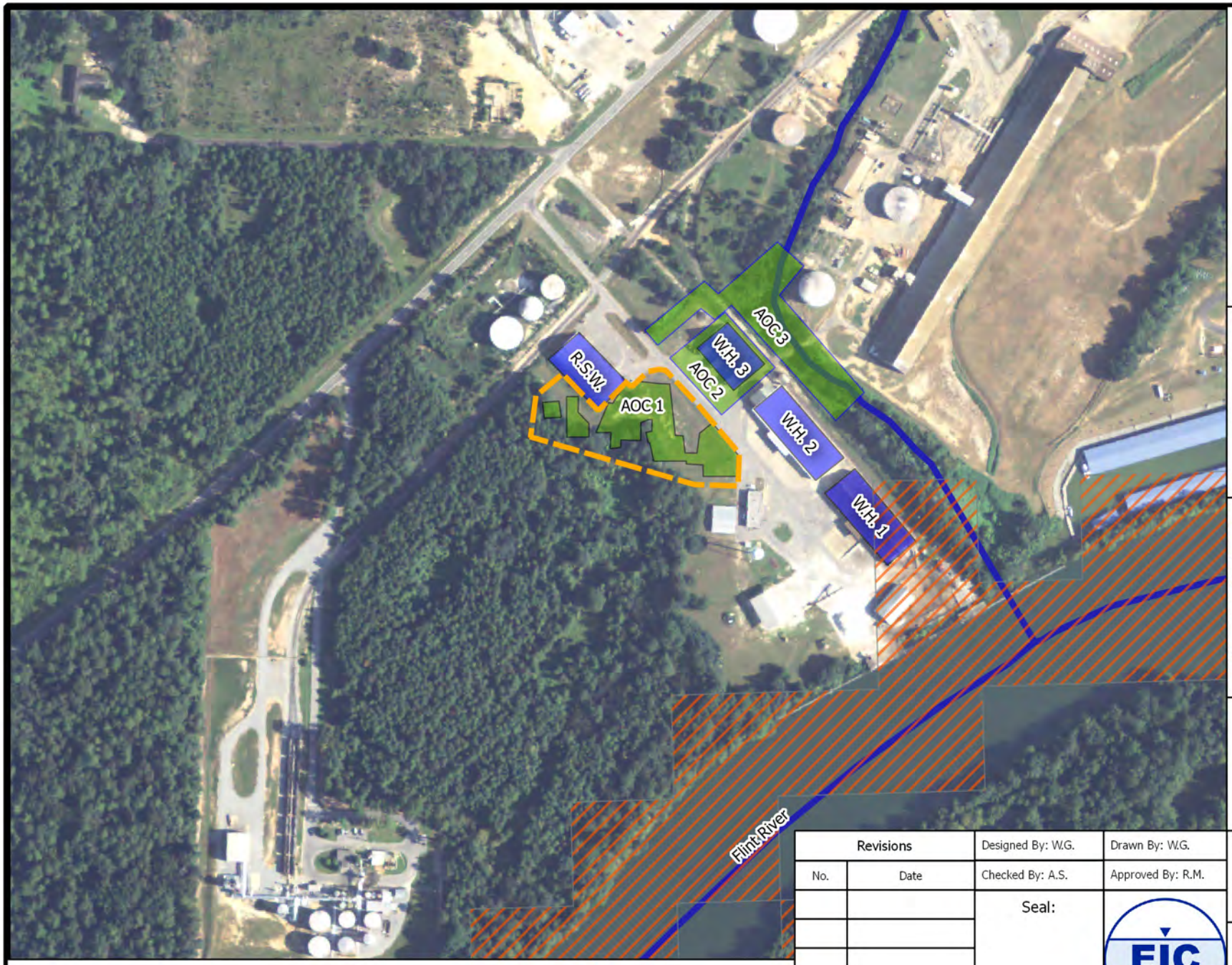

Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern
- Flow Lines

Barbour's Map Turtle

- Habitat Area

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Barbour's Map Turtle habitat area information derived from the University of Georgia, College of Environment and Design, Natural Resources Spatial Analysis Laboratory (NARSAL) ESRI binary grid habitat model, 1998.

N

100 0 100 200 300 ft

Figure 4: Barbour's Map Turtle Habitat

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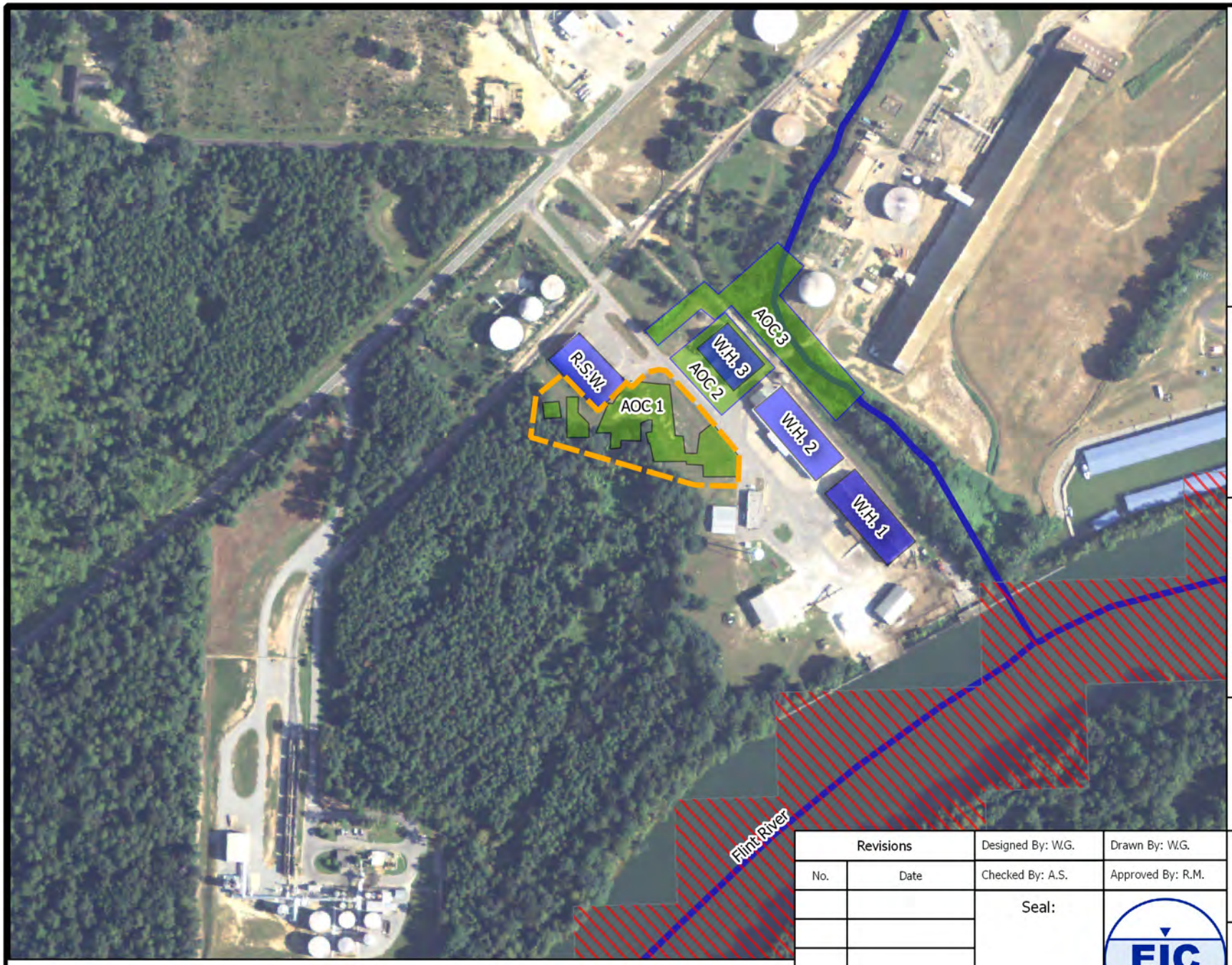

Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern
- Flow Lines

Aligator Snapping Turtle

- Habitat Area

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Aligator Snapping Turtle habitat area information derived from the University of Georgia, College of Environment and Design, Natural Resources Spatial Analysis Laboratory (NARSAL) ESRI binary grid habitat model, 1998.

N

100 0 100 200 300 ft

Figure 5: Aligator Snapping Turtle Habitat

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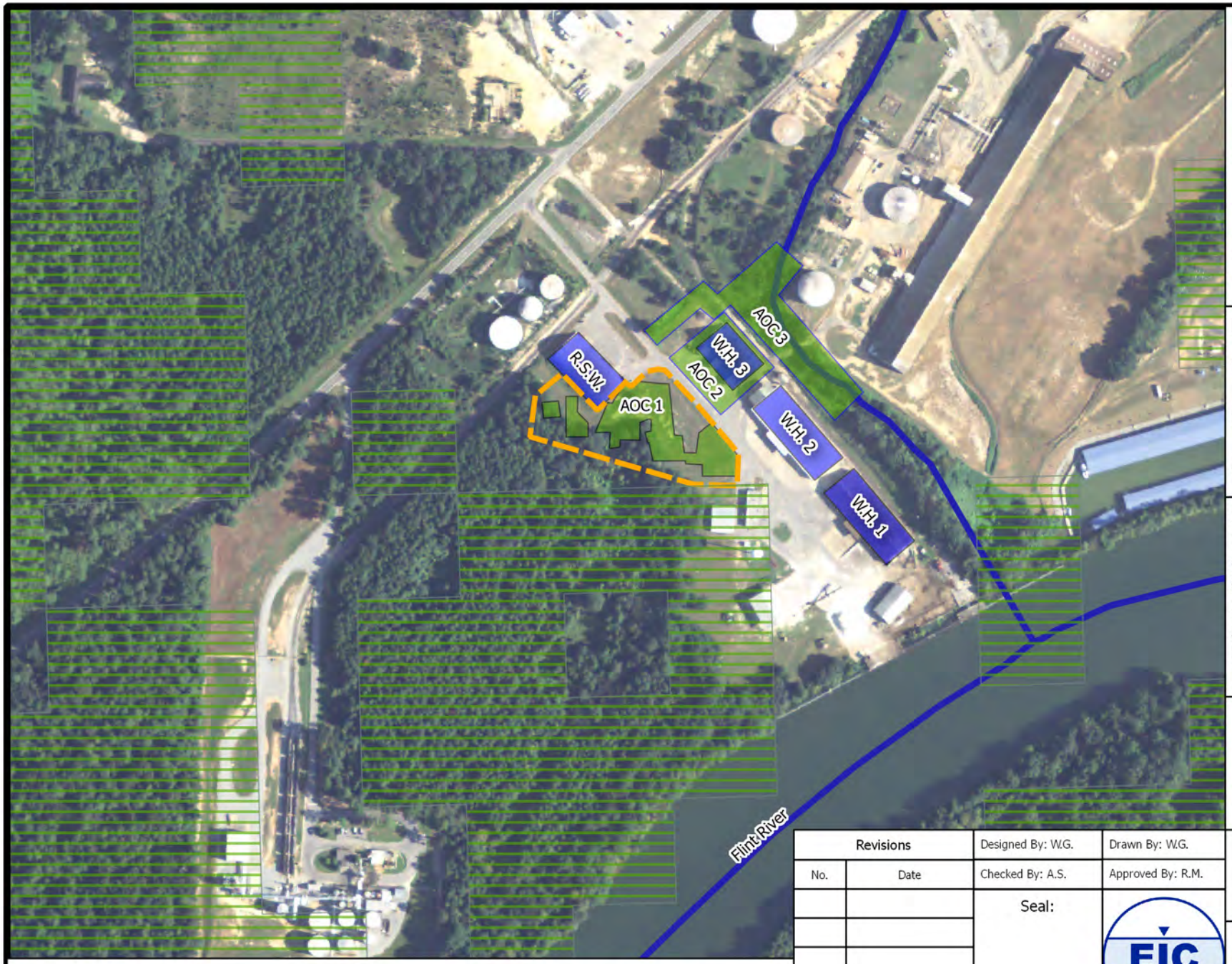

Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern
- Flow Lines

Eastern Diamondback Rattlesnake

- Habitat Area

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Eastern Diamondback Rattlesnake habitat area information derived from the University of Georgia, College of Environment and Design, Natural Resources Spatial Analysis Laboratory (NARSAL) ESRI binary grid habitat model, 1998.

N

100 0 100 200 300 ft

Figure 6: Eastern Diamondback Rattlesnake Habitat

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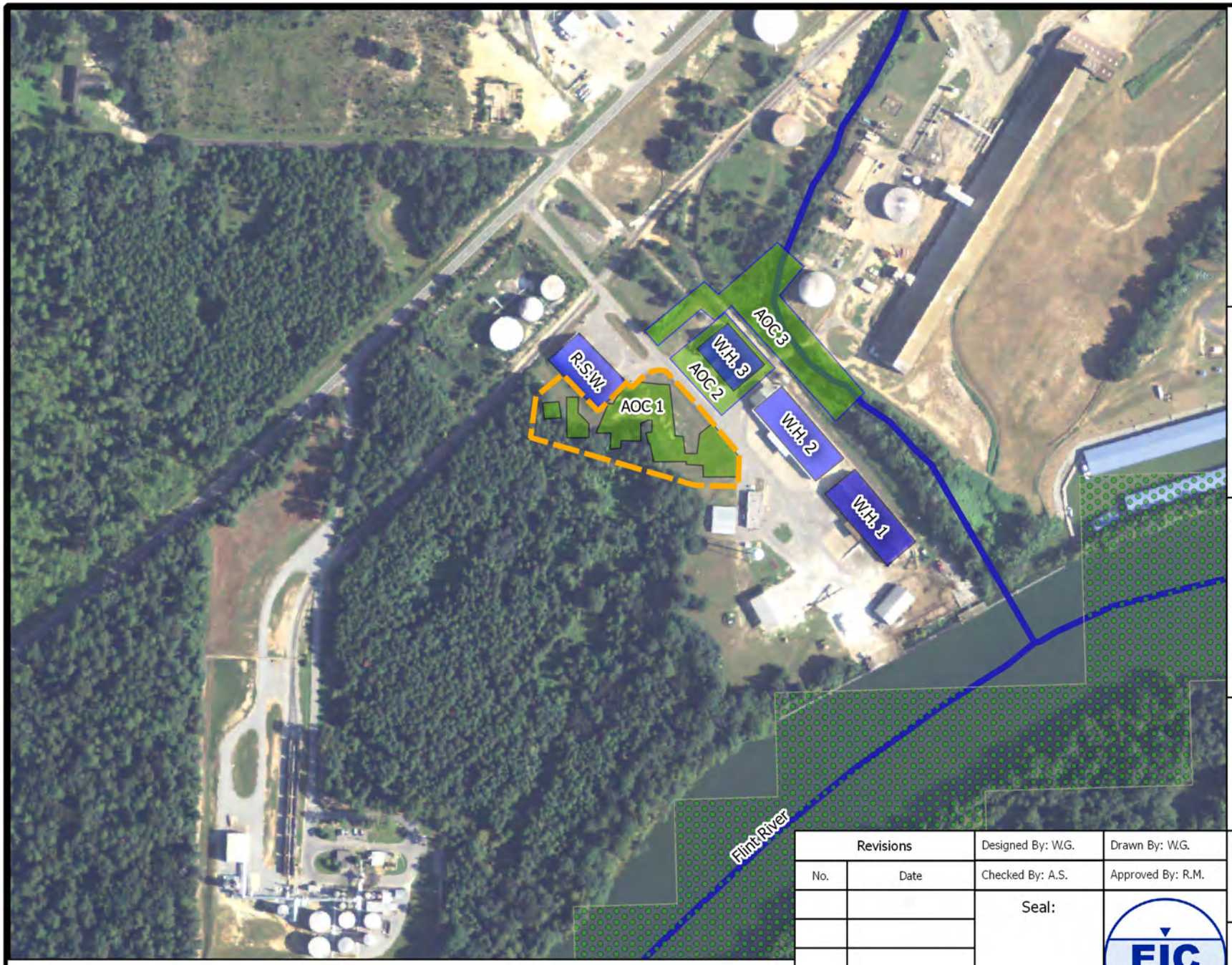

Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern
- Flow Lines

Bald Eagle

- Habitat Area

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Bald Eagle habitat area information derived from the University of Georgia, College of Environment and Design, Natural Resources Spatial Analysis Laboratory (NARSAL) ESRI binary grid habitat model, 1998.

N

100 0 100 200 300 ft

Figure 7: Bald Eagle Habitat

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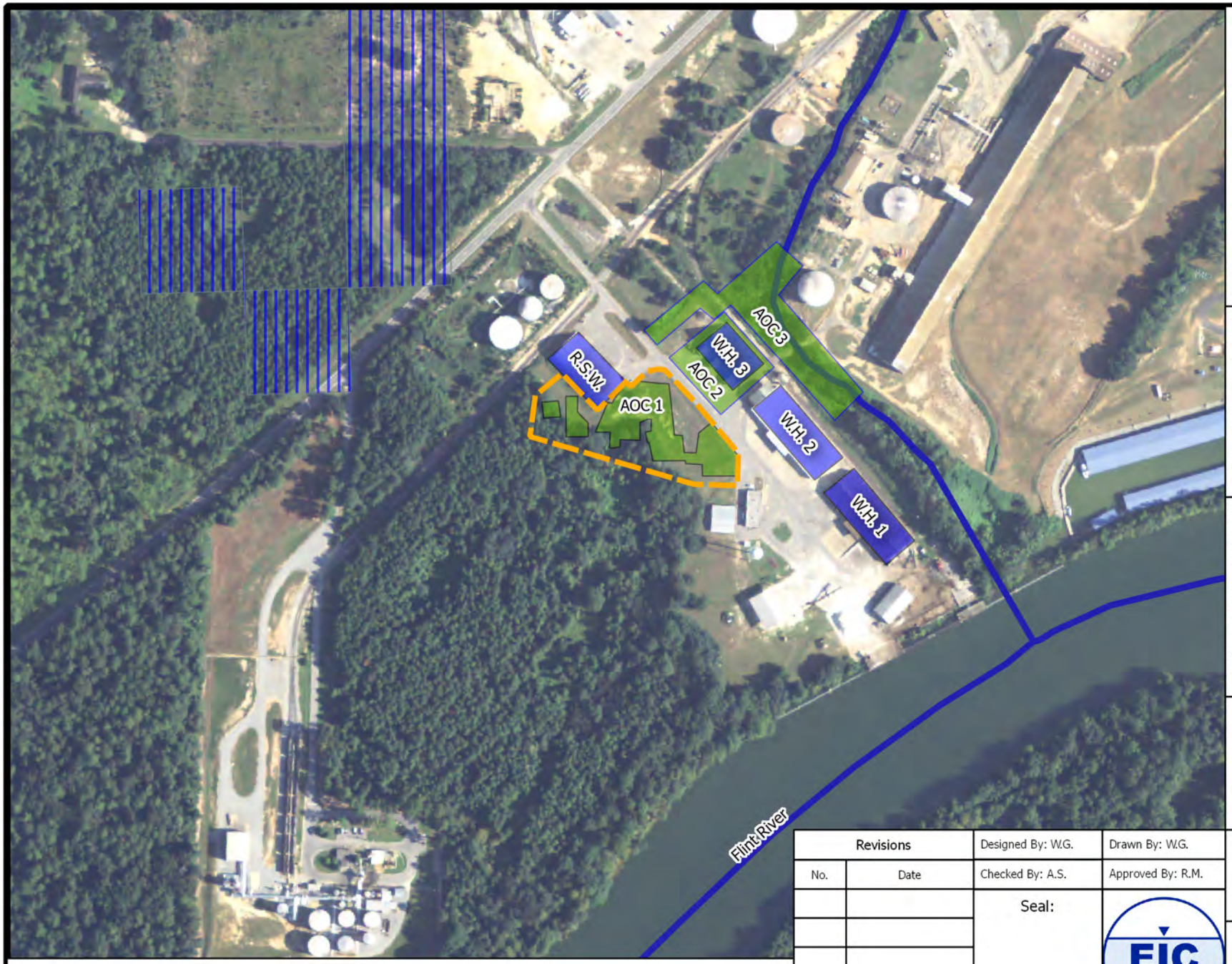

Legend

- AOC - 1 Fence Line
- Buildings On Site
- Areas of Concern
- Flow Lines

Barn Owl

- Habitat Area

Notes:

W.H. = Warehouse

R.S.W. = Rock Salt Warehouse

AOC = Area of Concern

Sources: Barn Owl habitat area information derived from the University of Georgia, College of Environment and Design, Natural Resources Spatial Analysis Laboratory (NARSAL) ESRI binary grid habitat model, 1998.

N

100 0 100 200 300 ft

Figure 8: Barn Owl Habitat

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PHOTOS

Photo 1: AOC-1 Southeastern Corner of Grass Field – Facing Northwest Showing AOC-1

Photo 2: AOC-2 West Side Panoramic View – Facing East Showing AOC-2

Photo 3: AOC-3 West Side Bank of Drainage Ditch Near WH 2 – Facing East Showing AOC-3 Drainage Ditch

Photo 4: AOC-3 Intersection of Southern Drainage Ditch and Flint River – Facing South Showing Lacustrine Habitat Area

Photo 5: AOC-3 Railroad Thruway West of Drainage Ditch – Facing North Showing High Berms On West Side Bank of AOC-3 Drainage Ditch